TIVOLY®

GENERAL
CATALOGUE

GENERAL
CATÁLOGO

GENARALE
CATALOGO

Cutting Tools &
Power Tool Accessories
Herramientas de corte y accesorios para
herramientas electroportátil
Utensili da taglio
e accessori elettroportativi

#01-08

CUTTING TOOLS
HERRAMIENTAS DE CORTE
UTENSILI DA TAGLIO

#01 48

#02 160

#03 170

#04 226

#05 238

#06 341

#07 354

#08 376

#09-19

POWER TOOL ACCESSORIES
ACCESORIOS PARA HERRAMIENTAS ELECTROPORTÁTIL
ACCESSORI ELETTROPORTATIVI

#09 384

#10 465

#11 508

#12 576

#13 605

#14 624

#15 665

#16 675

#17 689

#18 703

#19 729

#20

TECHNICAL INFORMATION
INFORMACIÓN TÉCNICA
INFORMAZIONI TECNICHE

#20 738

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TIVOLY
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For any request, please contact the publishing director.

TIVOLY	Commercial / Sales
France	04 79 89 5880
Export	+33(0)4 79 89 5885

QTY	PCB	€
1	1	2,58
1	1	2,58
1	1	2,58

Grey text : While stocks last | Hasta fin de existencias | Fino ad esaurimento scorte

QTY : nombre de pièces reçu pour 1 référence commandée | Number of pieces received when 1 reference is ordered.

PCB : minimum et multiple de commande. Majoration (%) si quantité < PCB | Minimum order and order multiple. Split packs surcharged (%) if quantity ordered < PCB.

Toutes les photos et dessins présentés dans ce catalogue sont donnés à titre indicatif et n'ont pas de valeur contractuelle. Tivoly se réserve le droit de faire évoluer ses produits sans préavis.

All pictures and drawings shown in this catalogue are given as an indication and have no contractual value, Tivoly reserves the right to improve on its products without giving notice.

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DESIGNER & MANUFACTURER

CUTTING TOOLS & POWER TOOL ACCESSORIES

Created in 1917 in Tours-en-Savoie, TIVOLY® today is a global player in our domain with a presence on three continents.

Organized in business units, TIVOLY® covers three primary markets:

- Public, do it yourself building, with a complete line of quality tools and power tool accessories,
- Professional, marketing to the industrial and professional tradesman with a recognized quality and innovative brand of cutting tools,
- Industrial, working with mechanical and production lines with a technological base, composed of standard, special, and custom tools on demand.

TIVOLY® is recognized for our innovation and the quality of the offered products and services we offer, but also as an active participant in a globally clean environment ■

DISEÑO Y FABRICACIÓN

HERRAMIENTAS DE CORTE Y ACCESORIOS PARA HERRAMIENTA ELECTROPORTÁTIL

Creado en 1917 en Tours-en-Savoie, TIVOLY® es hoy una de las principales organizaciones de dimensión mundial en su sector, con presencia en tres continentes.

Organizado en Unidades de Negocio, TIVOLY® se dirige a 3 mercados principalmente:

- Particular, mercado del Bricolaje, con una completa gama de herramientas y accesorios para herramienta electroportátil,
- Profesional, mercado del suministro industrial y la ferretería con una oferta de herramientas de corte reconocida por su calidad e innovación,
- Industrial, mercado de la producción, con una oferta tecnológica compuesta por herramienta estándar y especial ¨bajo pedido¨.

TIVOLY® quiere ser reconocido por la innovación y la calidad de sus productos, pero también, por contribuir activamente a la mejora del medio ambiente ■

PROGETTISTA E FABBRICANTE

UTENSILI DA TAGLIO E ACCESSORI ELETTROPORTATIVI

Creata nel 1917 a Tours-en-Savoie, TIVOLY® e oggi un attore di dimensioni mondiali nel suo settore, con una presenza in tre continenti.

Organizzato in Business Unit, Tivoly® è presente su tre mercati principali:

- Bricolage, il mercato fai da te, con una gamma completa di utensili qualitativi e accessori per macchine utensili,
- Mercato professionale per la fornitura industriale e artigianale, con un offerta di utensili da taglio riconosciuta per la sua qualità e innovazione,
- Industriale, mercato della meccanica di produzione con un offerta tecnologia, composta da utensili standard e speciali "su misura".

Tivoly® ha l'ambizione di essere riconosciuta per la sua innovazione e la qualità della sua gamma prodotti e servizi, ed anche per il suo contributo nel rispetto dell'ambiente ■

GENE-
RAL
CATALOGUE

CUTTING TOOLS

HERRAMIENTAS DE CORTE

UTENSILI DA TAGLIO

#01-08

#01

DRILLING
TALADRADO
FORATURA

CARBIDE BITS 48
BROCAS METAL DURO
PUNTE CARBURO
Solid Carbide. Metal duro. Metallo duro. #01
Carbide tipped. Con plaquitas intercambiables. A placchetta riportata.
Centering bits. Brocas de centrar/puntear. Punte a centrare/Bulinare.

HSS BITS 70
BROCAS HSS
PUNTE HSS
Round Shank. Cilíndrica. Cilindrico. #01
Morse bits. Cono morse. Cono Morse.
Accessories. Accesorios. Accessori.
Centering bits. Brocas de centrar/puntear. Punte a centrare/Bulinare.

CONICAL BITS 150
BROCAS CÓNICAS
PUNTE CONICHE
Straight. Lisas. Lucidare. #01
Stepped. Escalonadas. Pavimenti.

CHUCKS 153
PORTABROCAS
MANDRINI
#01

#02

CORE HOLE DRILLING
FRESADO HUECO
CAROTATURA

CORE HOLE DRILL 160
FRESAS HUECAS
FRESE A CAROTARE
End mills. Fresas. Frese. #02
Accessories. Accesorios. Accessori.

#03

TAPPING
ROSCADO
MASCHIATURA

MANUAL 170
A MANO
A MANO
M / MF #03
UNC / UNF
BSPG
BSW / BSF
Accessories. Accesorios. Accessori.

MACHINE 182
MÁQUINA
A MACCHINA
M / MF #03
UNC / UNF
BSPG
BSW / BSF
PG
NPT
BSPT / Rc

#04

THREADING
COJINETES
FILETTATURA

DIES 226
COJINETES
FILETTATURA
M / MF #04
UNC / UNF
BSPG
BSW
Accessories. Accesorios. Accessori.

#05

MILLING
FRESADO
FRESATURA

CARBIDE END MILLS 238
FRESAS METAL DURO
FRESE CARBURE
#05

HSS END MILLS 280
FRESAS HSS
FRESE HSS
#05

COUNTERSINK BITS 308
AVELLANADORES
SVASATORI/LAMATURA
#05

#06

REAMING
ESCARIADO
ALESATURA

#07

SETS
ESTUCHES
COFANETTI

#08

SHARPENING
AFILADORES
AFFILATORE

CARBIDE ROTARY BURRS 314
FRESAS LIMA
FRESE LIMA

HAND 341
ESCARIADORES DE MANO
ALESATORI A MANO

MACHINE 346
ESCARIADORES
DE MÁQUINA
ALESATORI A MACCHINA

SETS 354
ESTUCHES
COFANETTI

DRILL DOCTOR & ACCESSORIES 376
DRILLDOCTOR
& ACCESORIOS
DRILLDOCTOR
& ACCESSORI

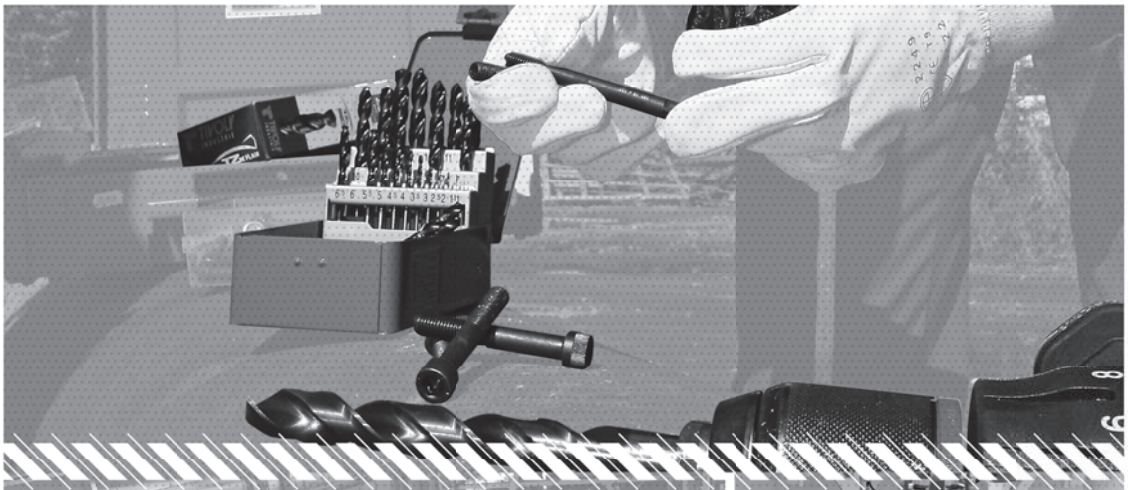
#05

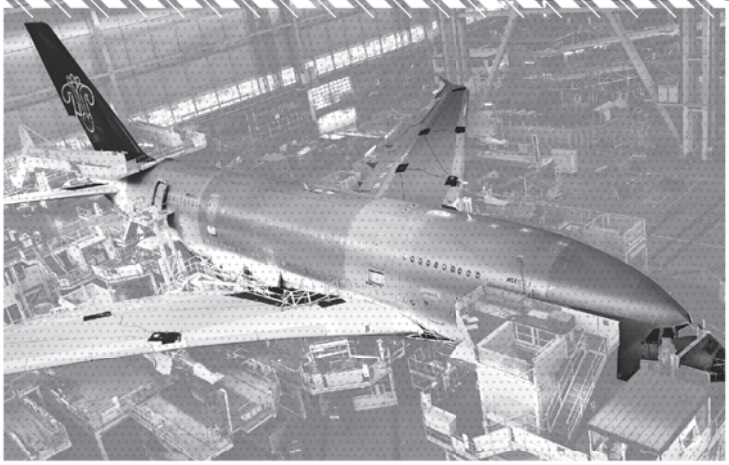
#06

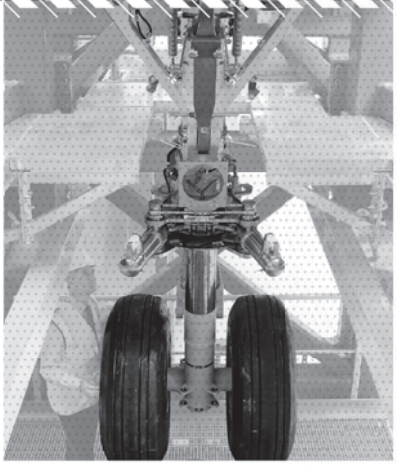
#06

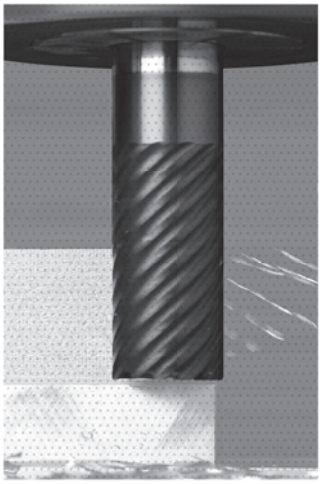
#07

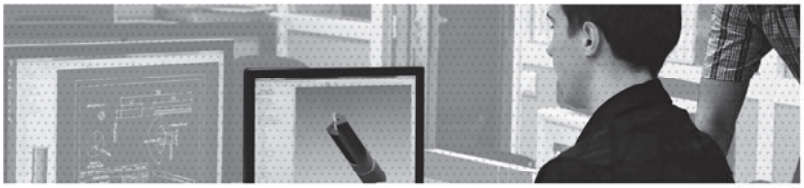
#08

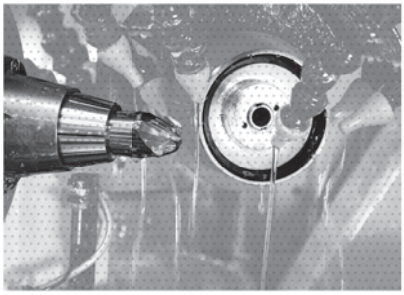












GENE-
RAL
CATALOGUE

POWER TOOL ACCESSORIES

HERRAMIENTAS ELECTROPORTÁTIL

ACCESSORI ELETTROPORTATIVI

#09-19

#09

DRILLING
TALADRADO
FORATURA

MASONRY 384
TALADRADO
HORMIGÓN
FORATURA CEMENTO

404

Cylindrical/Hex shank bits. Brocas cilíndricas/Hexa. Punte cilindriche/Esagonale. #09
SDS+ Drill Bits. Brocas SDS+. Punte SDS+.
SDS Chisels. Herramientas de demolición SDS+. Utensili da demolizione SDS+.
SDS Max Drill Bits. Brocas SDSmax. Punte SDS MAX.
SDS Max Chisels. Herramientas de demolición SDSmax. Utensili da demolizione SDSmax.
Glass& Tile Bits. Brocas vidrio/azulejo/mixtas. Punte Vetro/Piastrelle/Miste.
Sets. Estuches. Cofanetti.

METAL 414
TALADRADO METAL
FORATURA METALLO

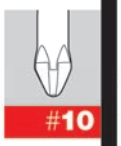
437

Cylindrical/Hex shank bits. Brocas cilíndricas/Hexa. Punte cilindriche/Esagonale. #09
HSS Step drill bits. Brocas cónicas ó brocas escalonadas. Punte coniche o punte a gradini.
Countersinks / rotary burrs. Avellanadores/ fresas limas. Svasatori / frese lima.
Taps. Machos. Maschio.
Dies. Cojinetes. Filettatura.
Sets. Estuches. Cofanetti.

WOOD 446
TALADRADO MADERA
FORATURA LEGNO

457

Cylindrical/Hex shank bits. Brocas cilíndricas/Hexa. Punte cilindriche/Esagonale. #09
SDS+ Shank. Brocas SDS+. Punte SDS+.
Step drill bits. Brocas cónicas o brocas escalonadas. Punte coniche o punte a gradini.
Countersinks/Router bits. Avellanadores/ fresas para encastrar. Svasatori.
Sets. Estuches. Cofanetti.


#10

SCREWDRIVING
ATORNILLADO
AVVITATURA

SCREWDRIVING 465
ATORNILLADO
AVVITATURA

493

Screwdriver Bits. Puntas. Inserti. #10
Sockets/Socket Drivers. Casquillos/llaves de vaso. Bussole/bussole di serraggio.
Bit holders/Adaptors. Porta-puntas/Adaptadores. Porta Inserti / adattatore.
Accessories. Accesorios. Accessori.
Sets. Estuches. Cofanetti.

#11

SANDING
ABRASIVOS
LEVIGATURA

HAND SANDING 508
MANUAL
A MANO

Sheets/Rolls. Hojas de mano/Rollos. Fogli carta abrasiva/rotoli . #11
Abrasive Foam Pads. Esponjas abrasivas. Spugna abrasiva.
Sanding Blocks. Tacos de pulido. Levigatrice manuale.

FOR POWERED SANDERS 520
PARA LIJADORA
PER LEVIGATRICI

Mesh. Malla. Maglia. #11
Aluminium Oxide. Corindón. Corendone.

FOR DRILLS 549
PARA TALADRO
PER TRAPANO

Discs. Discos. Dischi. #11
Flap wheels. Ruedas abrasivas. Ruote abrasive.

FOR ANGLE GRINDERS 555
PARA AMOLADORA
PER MOLATRICE

Fibre Discs. Discos. Dischi. #11
Flap Discs. Discos de láminas. Dischi a lamelle.
Semi Flexible Discs. Discos semi-rígidos. Dischi semi-rigidi.

BACKING PADS 566
SOPORTES
SUPPORTI

#11

#12

BRUSHES
CEPILLADO
SPAZZOLATURA

HAND BRUSHES 576
A MANO
A MANO

#12

#13

CUTTING DISCS
TRONZADO
TAGLIO

BRUSHES FOR DRILLS 582 — #12
PARA TALADRO
PER TRAPANO

BRUSHES FOR ANGLE GRINDERS 598 — #12
PARA AMOLADORA
PER MOLATRICE

ABRASIVE DISCS 605 — #13
DISCOS RESINOIDES
DISCHI RESINOIDALI

DIAMOND DISCS 610 — #13
DISCOS DIAMANTE
DISCHI DIAMANTATI

#14

SAWING
SERRADO
SEGATURA

JIG SAW BLADES 624 — #14
SIERRAS DE CALAR
SEGHETTO
ALTERNATIVO

638
Jig Saw Blades. Sierras de calar. seghetto alternativo.
Reciprocating Saws. sierras sable. Seghetto universale.
Sets. Estuches. Cofanetti.

CIRCULAR SAW BLADES 642 — #14
SIERRA CIRCULAR
SEGHE CIRCOLARI
Circular Saw Blades. Sierra circular. Seghe Circolari.
Accessories. Accesorios. Accessori.

HOLESAWS 650 — #14
SIERRA CORONA
SEGHE A TAZZA
For Wood & Plasterboard. Sierras corona para madera.Seghe a tazza per legno e cartongesso.
For Metal. Sierra corona para metal. Seghe a tazza per metallo.
For Masonry. Sierra de trepanar para hormigón. Seghe a tazza per cemento.
Diamond Holesaws for Tiles and Masonry. Sierra diamante para azulejo y gres. Seghe diamantate per piastrelle & gres.

660
Sets. Estuches. Cofanetti.

#15

ROUTING
FRESADO
INTAGLIARE

ROUTER BITS 665 — #15
FRESA DE FRESADORA
FRESATRICI VERTICALI

670
Straight Cutters. Para ranurar. A intaglio.
Form Cutters. De forma. Di forme.
Sets. Estuches. Cofanetti.

#16

FIXINGS
FIJACION
FISSAGGIO

ANCHORS 675 — #16
TACOS
TASSELLI

RIVETS 685 — #16
REMACHES
RIVETTI

#17

SAFETY PRODUCTS
PROTECCIÓN
PROTEZIONE

EYE PROTECTION 689 — #17
DE OJOS
DEGLI OCCHI

GLOVES 690
DE MANOS
DELLE MANI

RESPIRATORY PROTECTION 695 #17
DE VÍAS RESPIRATORIAS
DELLE VIE RESPIRATORIE

HEARING PROTECTION 696 #17
PROTECCIÓN AUDITIVA
PROTEZIONE
DELLE ORECCHIE

HELMETS & SAFETY WEAR 697 #17
PROTECCIÓN
DE CABEZA Y CUERPO
PROTEZIONE TESTA
E CORPO

#18

ACCESSORIES
ACCESORIOS
ACCESSORI

HAND TOOLS 703 #18
HERRAMIENTAS
DE MANO
UTENSILI A MANO

Cotter Pin Punches. Botador de clavijas. Cacciacoppiglie.
Nail Punches. Botadores cónicos. Cacciapunte.
Centre Punches. Punzones. Centratori.
Wall Drills. Taponadores. Punzone.
Hollow Punches. Sacabocados. Estrattori.
Gimlets. Barrenas. Succhielli.
Pin Removers. Extractores. Estrattori.
Other Accessories. Otros accesorios de mano. Altri accessori a mano.

FOR DRILLS 708 #18
PARA TALADRO
PER TRAPANO

Scrapers. Escofinas. Raspe.
Grinding Stones. Muelas. Mole.
Dowelling & Jointing. Ensamblaje. Assemblaggio.
Chucks. Portabrocas. Mandrini.
Chuck Keys. Llaves de portabrocas. Chiavi per mandrino.
Paint Mixers. Mezcladores. Miscelatori.
Other Drill Accessories. Otros accesorios para taladro. Altri accessori per trapano.

WORKBENCHES 724 #18
BANCOS
PIANO

#19

COMBINED SETS
MALETAS MIXTOS
VALIGETTE MISTE

COMBINED DRILL BIT & SCREWDRIVER BIT SETS 729 #19
MALETAS Y ESTUCHES
MIXTOS
VALIGETTE
E COFANETTI MISTI

#20

TECHNICAL INFORMATION
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8236681	249	9612011	218	Chuck12	156	1080372	450
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1096032	384	1150112	483	1152572	465	XT10191	540
1096034	385	1150122	500	1152582	466	XT10192	540
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1110072	705	1150192	487	1190172	388	XT10252	557
1110082	452	1150202	479	1190184	388	XT10262	559
1110092	403	1150202	480	1200032	403	XT10272	559
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GENE-
RAL
CATALOGUE

CUTTING TOOLS

HERRAMIENTAS DE CORTE

UTENSILI DA TAGLIO

#01-08

#01

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# #
CUTTING TOOLS
HERRAMIENTAS DE CORTE
UTENSILI DA TAGLIO

Carbide bits | Brocas metal duro | Punte carburo

Item	Packshot	Designation	Application	Rge	Page
8242101		SIRIUS	Solid Carbide Drill HELICA©	3xd without coolant feed. SIRIUS	Broca metal duro HELICA©	3xd sin refrigeración interna. SIRIUS	Punta in MD HELICA©	3xd senza refrigerazione.	AB CD F	3>16	48
8243101		SIRIUS	Solid Carbide Drill HELICA©	3xd with coolant feed. SIRIUS	Broca metal duro HELICA©	3xd con refrigeración interna. SIRIUS	Punta in MD HELICA©	3xd con refrigerazione.	AB CD FGH	3>16	50
8244601		SIRIUS	Solid Carbide Drill HELICA©	5xd with coolant feed. SIRIUS	Broca metal duro HELICA©	5xd con refrigeración interna. SIRIUS	Punta in MD HELICA	5xd con refrigerazione.	AB CD FGH	3>16	52
8241501		POLARIS	Solid Carbide Drill TiAlN	3xd without coolant feed. POLARIS	Broca metal duro TiAlN	3xd sin refrigeración interna. POLARIS	Punta in MD TiAlN	3xd senza refrigerazione.	AB CD IJ	3>16	54
8241701		POLARIS	Solid Carbide Drill TiAlN	5xd with coolant feed. POLARIS	Broca metal duro TiAlN	5xd con refrigeración interna. POLARIS	Punta in MD TiAlN	5xd con refrigerazione.	AB CD FGH	4>20	55
8240511		Solid Carbide 3 flute drill. Broca metal duro monobloc 3 cortes. Punta in MD integrale 3 tagli.	AB IJ KLM	3>16	56
8240221		Solid Carbide stub length drill. Broca metal duro monobloc serie extra-corta. Punta in MD integrale extra-corta.	AB CDE FGH	1>16	57
8243921		Solid Carbide jobber length drill. Broca metal duro monobloc serie corta. Punta in MD integrale corta.	AB CDE FGH	1>14	59

Item	Packshot	Designation	Application	Rge	Page
8241941		Solid Carbide 60° Centre drill. Brocas de centrar metal duro 60°. Punta in MD a centrare 60°.	AB CDE FGH	3,15>10	60
8240931		Solid Carbide 90° Spotting drill. Broca de puntear 90°. Punta in MD a centrare 90° .	AB CDE FGH	4>16	61
8243911		Solid Carbide 120° Spotting drill. Broca de puntear 120°. Punta in MD a centrare 120°.	AB CDE FGH	4>16	61

Item	Packshot	Designation	Application	Rge	Page
8243941		DAGGER Z3	Solid Carbide Dagger reamer drill	Z3. DAGGER Z3	Broca escariadora	Z3. DAGGER Z3	Punta alesatore a lancia Z3.	KLM X	2,4>10	62
8243951		DAGGER Z4	Solid Carbide Dagger reamer drill	Z4. DAGGER Z4	Broca escariadora	Z4. DAGGER Z4	Punta alesatore a lancia Z4.	KLM X	2,4>10	63
8240201		Carbide tipped jobber length drill. Broca punta de metal duro serie corta. Punta con placchetta in MD riportato	corta.	AB CD IJ	2>20	64
8240501		Carbide tipped long drill. Broca punta de metal duro serie larga. Punta con placchetta in MD riportato	lunga.	AB CD IJ	2>20	66

HSS bits | Brocas HSS | Punte HSS

Item	Packshot	Designation	Application	Rge	Page
8140321		HSS fully ground micro drill. Micro-Broca HSS rectificada cilíndrica. Micro-punta cilindrica HSS gambo rinforzato.	AB IJ	0,15>1,45	70

Item	Packshot	Designation	Application			Rge	Page
9020051		RK I HSS Roll forged stub length drill. RK I Broca HSS laminada cilindrica extracorta. RK I Punta HSS laminata cilindrica extra-corta .	A	B		1>12	71
1140261		HSS fully ground stub length drill I T LINE Broca HSS rectificada cilíndrica serie extra-corta I T LINE Punta HSS cilindrica extra-corta I T LINE	AB	IJ		1>13	72
1140251		TEK I HSS fully ground stub length drill. TEK I Broca HSS rectificada cilíndrica serie extra-corta. TEK I Punta HSS cilindrica extra-corta.	AB	C	H	1>20	73
1140271		TXD I HSS fully ground double ended stub length drill TXD I Broca HSS rectificada doble punta. TXD I Punta HSS cilindrica doppio taglio.	AB	C	H	2>10	75
1143741		TPX I HSS fully ground stub length drill. TPX I Broca HSS rectificada cilíndrica. TPX I Punta HSS cilindrica con cuspide per lamiera.	AB			3>10	76
1140281		HSCOB fully ground stub length drill I T LINE Broca HSCOB rectificada cilíndrica serie extra-corta I T LINE Punta HSCOB cilindrica extra-corta I T LINE	AB	C		2>10	76
8140291		PHOENIX I HSCOB fully ground stub length drill. Type S PHOENIX I Broca HSCOB rectificada cilíndrica serie extra-corta. Tipo S PHOENIX I Punta HSCOB cilindrica extra-corta I Tipo S	AB	C	FGH	2>20	77
8143911		PHOENIX I HSCOB TiAlN fully ground stub length drill. Type S PHOENIX I Broca HSCOB TiAlN rectificada cilíndrica serie extra-corta. Tipo S PHOENIX I Punta HSCOB TiAlN cilindrica extra-corta I Tipo S	AB	C	FGH	2>20	79
8140311		HSS-E8 (M42) fully ground stub length drill. Broca HSS-E8 (M42) rectificada cilíndrica extra-corta Punta HSS-E8 cilindrica extra-corta. Tipo N	ARCo ARNi	Ti		2>16	81
9020011		R I HSS roll forged jobber length drill. R I Broca HSS laminada cilíndrica. Serie corta. R I Punta laminada cilindrica corta.	A			0,5>20	82
9020021		RRS I HSS roll forged jobber length drill. Reduced shank. RRS I Broca HSS laminada cilíndrica. Serie corta. Mango reducido. RRS I Punta HSS laminata cilindrica corta I gambo ridotto.	A			13>20	85
1145201		T I HSS fully ground jobber length drill I T LINE T I Broca HSS rectificada cilíndrica. Serie corta I T LINE T I Punta HSS cilindrica corta I T LINE	A	B		0,5>13	85
1145301		TSX I HSS fully ground jobber length drill TSX I Broca HSS rectificada cilíndrica. Serie corta TSX I Punta HSS cilindrica corta. Tipo N	A	B		0,2>25	87
1140011		001 I HSS fully ground jobber length drill. 001 I Broca HSS rectificada cilíndrica serie corta. 001 I Punta cilindrica corta. Tipo N.	AB	C	H	0,2>20	90
1140041		001RS I HSS fully ground jobber length drill. Reduced shank 001RS I Broca HSS rectificada cilíndrica. Serie Corta. Mango reducido. 001RS I Punta HSS cilindrica corta. Tipo N I gambo ridotto.	AB	C	H	13>25	94
8140031		ALTAIS I HSS fully ground jobber length drill. Elliptic point. ALTAIS I Broca HSS rectificada cilíndrica. Serie Corta. Afilado elíptico. ALTAIS I Punta HSS cilindrica corta. Tipo N I affilatura ellittica.	AB	C	H	0,2>16	95
8140061		LH I HSS fully ground jobber length drill. Left hand LH I Broca HSS rectificada cilíndrica. Serie Corta. Izquierda. LH I Punta HSS cilindrica corta. Tipo N I taglio sinistro	AB	C	IJ	1>16	98
1145401		TZX I HSS FLAM fully ground jobber length drill. Split point. TZX I Broca HSS FLAM rectificada cilíndrica corta.Punta en cruz. TZX I Punta TZX HSS FLAM cilindrica corta. Tipo N I affilatura a croce.	AB	C	H	0,5>13	100
1140071		HSS fully ground jobber length drill. S W type. Broca HSS FLAM rectificada cilíndrica corta. Tipo S W. Punta HSS cilindrica corta. Tipo S/W per alluminio.	K	L		0,8>13	102
8143991		HSCOB fully ground jobber length drill I 4 facet point Broca HSCOB rectificada cilíndrica serie corta. 4 caras. Punta HSCOB corta. 4 listelli.	AB	CD	FGH	0,8> 2,45	103

HSS bits | Brocas HSS | Punte HSS

Item	Packshot	Designation	Application	Rge	Page
8144031		HSCOB (TiAlN) fully ground jobber length drill	4 faces. Broca HSCOB (TiALN) rectificada cilíndrica serie corta. 4 caras. Punta HSCOB TiAlN corta. 4 listelli.	AB CD FGH	0,8> 2,45	104
1145501		HSCOB fully ground jobber length drill | T LINE Broca HSCOB rectificada cilíndrica. Serie corta | T LINE Punta HSCOB cilíndrica corta. Tipo N | T LINE	A B C	1>13	105
1145561		HSCOB fully ground jobber length drill. Reduced shank | T LINE Broca HSCOB rectificada cilídrica. Serie Corta. Mango reducido | T LINE Punta HSCOB cilíndrica corta. Tipo N | gambo ridotto | T LINE	A B C	14>20	107
1145611		TBX 4F | HSCOB BLADE fully ground jobber length drill. 4 facet point. TBX 4F | Broca HSCOB BLADE rectificada cilíndrica corta.4 caras. TBX 4F | Punta HSCOB BLADE cilíndrica corta | Tipo N | 4 listelli.	C H	1>20	107
1145581		CUTINOX 4F | HSCOB fully ground jobber length drill. 4 facet point. CUTINOX 4F | Broca HSCOB rectificada cilíndrica corta.4 caras. CUTINOX 4F | Punta HSCOB cilíndrica corta | Tipo N | 4 listelli.	F G H	0,8>13	109
8140121		PHOENIX | HSCOB fully ground jobber length drill. Type S PHOENIX | Broca HSCOB rectificada cilíndrica serie corta. Tipo S PHOENIX | Punta HSCOB cilíndrica corta. Tipo S	AB C FGH	0,8>13	111
8143921		PHOENIX | HSCOB TiAlN fully ground jobber length drill. Type S PHOENIX | Broca HSCOB TiAlN rectificada cilíndrica serie corta. Tipo S PHOENIX | Punta HSCOB TiAlN cilíndrica corta. Tipo S	AB C FGH	0,8>13	113
8140161		LAZER | HSS-E8 (M42) fully ground jobber length drill. LAZER | Broca HSS-E8 (M42) rectificada cilíndrica corta LAZER | Punta HSS-E8 cilíndrica corta. Tipo N | Tipo N	ARCo ARNi Ti	2>16	115
9020031		HSS Roll forged long series drill. Broca HSS laminada cilíndrica. Serie larga. Punta HSS laminata cilíndrica lunga.	A	2>15	117
1140561		HSS fully ground long series drill | T LINE Broca HSS rectificada cilíndrica serie larga | T LINE Punta HSS cilíndrica lunga. Tipo N | T LINE	A B	1>13	118
1140331		HSS fully ground long series drill. Broca HSS rectificada cilíndrica serie larga. Punta HSS cilíndrica lunga. Tipo N.	AB C H	1>20	119
1140361		HSS fully ground long series drill. S Typ Broca HSS rectificada cilíndrica. Serie larga. Tipo S Punta HSS cilíndrica lunga. Tipo S | 1/3 2/3.	C D	2>13	121
1140381		HSS fully ground long series drill. SW Type Broca HSS rectificada cilíndrica. Serie larga. Tipo S W. Punta HSS cilíndrica lunga. Tipo S/W.	K L	1>13	122
1140571		HSCOB fully ground long series drill | T LINE Broca HSCOB rectificada cilíndrica serie larga | T LINE Punta HSCOB cilíndrica lunga. Tipo N | T LINE	A B C	2,5>10	123
8140421		HSCOB fully ground long series drill Broca HSCOB rectificada cilíndrica. Serie Larga Punta HSCOB cilíndrica lunga. Tipo N	F G H	1>13	124
8140441		HSCOB fully ground long series drill. Type S. 1/3 2/3. Broca HSCOB rectificada. Serie Larga. Tipo S. Punta 1/3 2/3. Punta HSCOB cilíndrica lunga. Tipo S | 1/3 2/3.	AB C FGH	2>13	125
8140481		HSS-E8 [M42] fully ground long series drill. Split point. Broca HSS-E8 [M42] rectificada. Serie larga. Punta en cruz. Punta HSS-E8 cilíndrica lunga. Tipo N | affilatura a croce.	ARCo ARNi Ti	2>13	127
1142061		HSS fully ground extra long series drill | L 160 Broca HSS rectificada. Serie extralarga | L 160 Punta HSS cilíndrica extra-lunga | L 160	AB C H	3>6	128
1142071		HSS fully ground extra long series drill | L 200 Broca HSS rectificada. Serie extralarga | L 200 Punta HSS cilíndrica extra-lunga | L 200	AB C H	3>10	128
1142081		HSS fully ground extra long series drill | L 250 Broca HSS rectificada. Serie extralarga | L 250 Punta HSS cilíndrica extra-lunga | L 250	AB C H	3,5>13	129

HSS bits | Brocas HSS | Punte HSS

Item	Packshot	Designation	Application	Rge	Page
1142091		HSS fully ground extra long series drill | L 315 Broca HSS rectificada. Serie extralarga | L 315 Punta HSS cilindrica extra-lunga | L 315	AB C H	4>13	129
1142101		HSS fully ground extra long series drill | L 400 Broca HSS rectificada. Serie extralarga | L 400 Punta HSS cilindrica extra-lunga | L 400	AB C H	5>13	129
8140671		HSCOB fully ground extra long series drill. Type S | L 125 Broca HSCOB rectificada. Serie Extralarga. Tipo S | L 125 Punta HSCOB cilindrica extra-lunga. Tipo S | L 125	C FGH	2>3	130
8140681		HSCOB fully ground extra long series drill. Type S | L 160 Broca HSCOB rectificada. Serie Extralarga. Tipo S | L 160 Punta HSCOB cilindrica extra-lunga. Tipo S | L 160	C FGH	2>6	130
8140691		HSCOB fully ground extra long series drill. Type S | L 200 Broca HSCOB rectificada. Serie Extralarga. Tipo S | L 200 Punta HSCOB cilindrica extra-lunga. Tipo S | L 200	C FGH	3>10	131
8140701		HSCOB fully ground extra long series drill. Type S | L 250 Broca HSCOB rectificada. Serie Extralarga. Tipo S | L 250 Punta HSCOB cilindrica extra-lunga. Tipo S | L 250	C FGH	3>13	131
8140711		HSCOB fully ground extra long series drill. Type S | L 315 Broca HSCOB rectificada. Serie Extralarga. Tipo S | L 315 Punta HSCOB cilindrica extra-lunga. Tipo S | L 315	C FGH	4>13	132
8140721		HSCOB fully ground extra long series drill. Type S | L 400 Broca HSCOB rectificada. Serie Extralarga. Tipo S | L 400 Punta HSCOB cilindrica extra-lunga. Tipo S | L 400	C FGH	5>13	133
8141821		HSCOB fully ground extra long series drill. Type S | L 500 Broca HSCOB rectificada. Serie Extralarga. Tipo S | L 500 Punta HSCOB cilindrica extra-lunga. Tipo S | L 500	C FGH	5>13	133
1140541		HSS fully ground extra long series drill. Split point. Broca HSS rectificada. Serie extralarga. Punta en cruz. Punta HSS cilindrica extra-lunga. Tipo N | affilatura a croce.	C D E	4>5,95	134
8143811		AIRCRAFT | HSS fully ground extra long series drill AIRCRAFT | Broca HSS rectificada. Serie extralarga AIRCRAFT | Punta HSS cilindrica extra-lunga. Tipo N	A B	2>8	134
9020061		HSS Roll forged jobber length drill morse taper shank. Broca HSS laminada. Serie corta. Mango cónico. Punta HSS laminata cono morse.	A	5>70	135
1143791		HSS fully ground jobber length drill morse taper shank | T LINE Broca HSS rectificada. Serie corta. Mango cónico | T LINE Punta HSS attacco cono morse corto | T LINE	A	3>40	136
1140981		HSS fully ground | jobber length drill | morse taper shank. Broca HSS rectificada. Serie corta. Mango cónico. Punta HSS attacco cono morse corto.	AB C H	3>75	138
1141051		HSCOB fully ground | jobber length drill | morse taper shank. Broca HSCOB rectificada. Serie corta. Mango cónico. Punta HSCOB attacco cono morse corto.	F G H	10>40	141
1141101		HSS fully ground | long series | drill morse taper shank. Broca HSCOB rectificada. Serie Larga. Mango cónico. Punta HSS attacco cono morse lungo.	AB C H	7>40	141
1142041		HSS fully ground extra long series drill morse taper shank | L 315 Broca HSS rectificada. Serie extralarga. Mango cónico | L 315 Punta HSS attacco cono morse extra-lunga | L 315	AB C H	6>23	142
1142051		HSS fully ground extra long series drill morse taper shank | L 400. Broca HSS rectificada. Serie extralarga. Mango cónico | L 400. Punta HSS attacco cono morse extra-lunga | L 400.	AB C H	10>31	144
1110341		Tempered adapter. Casquillo de reducción templado. Bussola di riduzione temperata.		-	145
1110361		Tempered elongated adapter. Casquillo de reducción largo templado. Bussola di riduzione allungata temperata.		-	145

HSS bits | Brocas HSS | Punte HSS

Item	Packshot	Designation	Application	Rge	Page
1110371		Cone punch. Extractor de conos. Caccia coni.		-	146

Item	Packshot	Designation	Application	Rge	Page
8140891		HSS 90° Spotting drill. Broca HSS para puntear 90°. Punta HSCOB5 a centrare 90°.	A B C	3>25	146
8140911		HSS 120° Spotting drill Broca HSS para puntear 120°. Punta HSCOB5 a centrare 120°.	A B C	3>25	147
8140811		60° Center drill I A form. Broca de centrar 60°. Punta HSS a centrare 60° forma A.	A B C	3,15>20	147
8140821		60°-120° Center drill. B Form. Broca para centrar 60°-120° Forma B Punta HSS a centrare 60°-120° Forma B	A B C	4>20	148
8140881		60° Center drill. W Form. Reinforced bulge. Broca para centrar 60°. Forma W barrilete de refuerzo. Punta HSS a centrare 60° forma W con centro rinforzato.	A B C	3,15>16	148
8140831		Radius center drill. R Form. Broca de centrar con radio. Forma R. Punta HSS a centrare con raggio forma R.	A B C	3,15>16	149
8140841		60° Center drill. A Form. Long series L 60 I 80 I 100 I 120 mm. Broca de centrar. Forma A. Serie larga. L 60 I 80 I 100 I 120. Punta HSCOB5 a centrare 60° lunga I Forma A (L 60 I 80 I 100 I 120 mm).	A B C	3,5>5	149
8140851		60° Center drill. A Form. Long series L 60 I 80 I 100 I 120 mm. Broca de centrar. Forma A. Serie larga. L 60 I 80 I 100 I 120. Punta HSCOB5 a centrare 60° lunga I Forma A (L 60 I 80 I 100 I 120 mm).	A B C	6>8	150
8140861		60° Center drill. A Form. Long series L 60 I 80 I 100 I 120 mm. Broca de centrar. Forma A. Serie larga. L 60 I 80 I 100 I 120. Punta HSCOB5 a centrare 60° lunga I Forma A (L 60 I 80 I 100 I 120 mm).	A B C	10>12	150
8140871		60° Center drill. A Form. Long series L 60 I 80 I 100 I 120 mm. Broca de centrar. Forma A. Serie larga. L 60 I 80 I 100 I 120. Punta HSCOB5 a centrare 60° lunga I Forma A (L 60 I 80 I 100 I 120 mm).	A B C	4>14	150

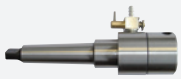
Conical bits | Brocas cónicas | Punte coniche

Item	Packshot	Designation	Application	Rge	Page
1143862		HSS Sheet drill. Broca HSS cónica lisa. Punta HSS conica liscia allarga fori.	A B C	14>40	150
1144881		HSS Step drill. Straight flute I T LINE Broca HSCOB escalonada. Canal recto I T LINE Punta HSS conica scalinata I scanalature dritte I T LINE	A B	12>37	151
1144852		HSS Step drill. Helicoïdal flute. Broca HSCOB escalonada. Canal helicoidal. Punta HSS conica scalinata I scanalature elicoidali.	A B C	12>37	151
1143872		HSS Step drill TiAlN. Helicoidal flute Broca HSS escalonada TiALN. Canal helicoidal. Punta HSS TiAlN conica scalinata I scanalature elicoidali.	A B C	12>37	152
1144872		HSCOB Step drill TiAlN. Helicoïdal flute. Broca HSCOB escalonada TiALN. Canal helicoidal. Punta HSCOB TiAlN conica scalinata I scanalature elicoidali.	AB C FGH	12>37	152

Chucks I Portabrocas I Mandrini

Item	Packshot	Designation	Application	Rge	Page
Chuck1		Keyless Chuck I Plastic sleeve Portabrocas sin llave/ camisa de plástico Mandrino senza chiave I in plastica		-	153
Chuck2		Keyless Chuck I Metal sleeve Portabrocas sin llave/ camisa metálica Mandrino senza chiave I in metallo		-	153
Chuck3		Keyless Chuck I Plastic sleeve I For Cordless Portabrocas sin llave/ camisa plástico/ sin cable Mandrino senza chiave I in plastica I per avvitatore		-	154
Chuck4		Keyed Chuck Portabrocas con llave Mandrino con chiave		-	154
Chuck5		Professional self locking chuck Portabrocas automático profesional sin percusión Mandrino automatico professionale senza percussione		-	155
Chuck6		Professional self locking chuck for percussion drills Portabrocas automático profesional con percusión Mandrino automatico professionale con percussione		-	155
Chuck7		Chuck Key Llave de Portabrocas Chiave per mandrino		-	155
Chuck8		Left turn key M6x100 Tornillo rosca izquierda M6x100 VITA SINISTRA M6X100		-	156
Chuck9		Adapter 3/8 I 3/8 Adaptador 3/8/ 3/8 Adattatore 3/8 I 3/8		-	156
Chuck10		Adapter 3/8 I 1/2 Adaptador 3/8/ 1/2 Adattatore 3/8 I 1/2		-	156
Chuck11		Adapter SDS+ Adaptador SDS+ Adattatore SDS +		-	156
Chuck12		Adapter SDSmax Adaptador SDSmax Adattatore SDS MAX		-	156

Core hole drill | Fresas huecas | Frese a carotare

Item	Packshot	Designation	Application	Rge	Page
1037001		HSS TiAlN Core hole drill Weldon short series. Fresa hueca HSS TiALN Weldon Serie corta. Fresa per carotaggio HSS, TiAlN attacco Weldon, corta.	C FGH IJ	12>50	160
1037011		HSS TiAlN Core hole drill Weldon long series. Fresa hueca HSS TiALN Weldon Serie Larga. Fresa per carotaggio HSS, TiAlN attacco Weldon, lunga.	C FGH IJ	12>50	161
1037051		HSS TiAlN Core hole drill Weldon short series. Fresa hueca HSS weldon serie corta. Fresa per carotaggio HSS, TiAlN attacco Weldon, corta.	AB P	12>50	162
1037061		HSS Core hole drill Weldon long series. fresa hueca HSS TiALN weldon serie larga. Fresa per carotaggio HSS, attacco Weldon, lunga.	AB P	12>50	163
1037031		HSS Deburring tools Weldon. Fresa para desbastar HSS Weldon. Fresa per sbavatura HSS, attacco Weldon.	AB IJ P	25>55	164
1111121		Pilot pin for Core hole drill. Expulsores para fresa hueca. Pilota di guida per fresa di carotaggio.		6,34	164
1111131		Arbor holders CM => Weldon. Adaptadores de CM a Weldon. Adattatore CM => Weldon.		19>19	165
1111141		Arbor holders with lub. CM => Weldon. Adaptadores de CM a Weldon con sist. De lubricación integrado. Adattatore CM => Weldon con lubrificazione.		19>19	165
1111151		Adapter Fein => Weldon. Adaptador Fein a weldon. Adattatore CM => Weldon.		19>19	165

TAPPING | ROSCADO | MASCHIATURA

MANUAL | A MANO | A MANO

	Item	Packshot	Designation	Application	Rge	Page
M | MF	1050031		Set of 3 HSS ISO hand taps. Serial type. Juego de machos de mano HSSEE ISO. Perfil escalonado. Serie di 3 maschi a mano HSS ISO. Profilo scalinato.	AB C H	2>24	170
	9501031		Set of 3 HSSEE [ASP] ISO hand taps. Serial type with pilot. Juego de machos de mano HSSEE (ASP) ISO. Nº1 con guía. Serie di 3 maschi a mano HSS-EE [ASP] ISO con guida.	AB CDE FGH	3>16	171
	1050051		Set of 3 HSS DIN hand taps | T LINE Juego de 3 machos de Mano HSS DIN | T LINE Serie di 3 maschi a mano HSS ISO | T LINE	A B	3>30	171
	1501511		Set of 3 HSS DIN hand taps. Juego de 3 machos de mano HSS DIN. Serie di 3 maschi a mano HSS DIN.	AB C	2>52	172
	9501011		Set of 3 HSS DIN hand taps. Juego de 3 machos de mano HSS DIN. Serie di 3 maschi a mano HSS DIN.	AB C H	2>42	173
	9501081		Set of 3 HSS DIN hand taps Left hand. Juego de 3 Machos de Mano HSS DIN Izquierdas. Serie di 3 maschi a mano HSS DIN, elica sinistra.	A B C	4>16	174
	1501521		Set of 2 HSS DIN hand taps. Juego de 2 Machos de Mano HSS DIN. Serie di 2 maschi a mano HSS DIN.	A B C	4>30	174
	9501021		Set of 2 HSS DIN hand taps. Juego de 2 Machos de Mano HSS DIN. Serie di 2 maschi a mano HSS DIN.	AB C H	5>33	175
UNC | UNF	9521011		Set of 3 HSS DIN hand taps Left hand. Juego de 3 Machos de mano HSS DIN. Serie di 3 maschi a mano HSS DIN.	A B C	N°2>1"	176
	9521021		Set of 2 HSS DIN hand taps. Juego de 2 machos de mano HSS DIN. Serie di 2 maschi a mano HSS DIN.	A B C	N°3>1"	176
BSP (G)	9531021		Set of 2 HSS DIN hand taps. Juego de 2 machos de mano HSS DIN. Serie di 2 maschi a mano HSS DIN.	A B C	1/8>2"	177
BSW | BSF	9511021		Set of 2 HSS DIN hand taps. Juego de 2 Machos de Mano HSS DIN. Serie di 2 maschi a mano HSS DIN.	A B C	1/4>1"	177
	9511011		Set of 3 HSS DIN hand taps Left hand. Juego de 3 Machos de Mano HSS DIN Izquierdas. Serie di 3 maschi a mano HSS DIN.	A B C	1/8> 1"1/4	178
	1110011		Tap wrench. Giramachos. Giramaschi con corpo e manico in acciaio.		-	178
	1110031		Tap wrench with ratchet. Portamachos reversible con trinquete. Porta maschi reversibile con cricchetto.		-	179

Machine | Máquina | Macchina

	Item	Packshot	Designation	Application	Rge	Page
M | MF	9602011		HSSE DIN machine tap Straight. Macho de máquina HSSE DIN recto. Maschio a macchina HSS-E DIN dritto.	A B	2>10	182
	9603011		HSSE DIN machine tap Straight. Macho de máquina HSSE DIN recto. Maschio a macchina HSS-E DIN dritto.	A B	3>40	182
	9602411		HSS E DIN machine tap Straight flute STEAM. Macho máquina HSSE DIN canal recto.STEAM. Maschio a macchina HSS DIN Steam dritto.	I J	3>10	183

Machine | Máquina | Macchina

Item	Packshot	Designation	Application	Rge	Page
9605411		HSS EE [ASP] DIN machine tap Straight flute STEAM. Macho máquina HSSEE [ASP] DIN canal recto.STEAM. Maschio a macchina HSS-EE [ASP] DIN Steam dritto.	I J	3>10	184
9606411		HSS EE [ASP] DIN machine taps. Straight flute STEAM. Macho máquina HSSEE [ASP] DIN canal recto.STEAM. Maschio a macchina HSS-EE [ASP] DIN Steam dritto.	I J	6>16	184
960CT11		HSSEE (ASP) TiCN DIN machine taps. I Flashcut I straight flute. Macho de máquina HSSE (ASP) TiCN I Flashcut I recto. Maschio a macchina HSS-EE [ASP] TiCN DIN I Flashcut I dritto.	I J	3>14	185
960BT11		HSSE DIN machine taps. I Flashcut I straight. Macho de máquina HSSE I Flashcut I recto. Maschio a macchina HSS-E DIN I Flashcut I dritto.	N O	3>14	185
1050071		HSS ISO machine tap GUN back chamfer. Macho máquina GUN coni. inversa. Maschio a macchina HSS ISO Gun.	AB C H	3>18	186
1050091		HSS ISO machine tap GUN interrupted threads. Macho máquina HSS ISO GUN diente alterno. Maschio a macchina HSS ISO Gun con denti alternati.	K L M	3>20	187
1050081		HSS DIN machine tap GUN I T LINE Macho máquina HSS DIN GUN I T LINE Maschio a macchina HSS DIN Gun I T LINE	A B	3>20	187
1602521		HSS DIN machine tap GUN. Macho máquina HSS DIN GUN. Maschio a macchina HSS DIN Gun.	A B	2>10	188
1603521		HSS DIN machine tap GUN. Macho máquina HSS DIN GUN. Maschio a macchina HSS DIN Gun.	A B	12>33	188
9602021		HSS E DIN machine tap GUN back chamfer. Macho máquina HSS E DIN GUN Coni. inversa. Maschio a macchina HSS DIN Gun.	AB C H	2>10	189
9603021		HSS E DIN machine tap GUN back chamfer. Macho máquina HSS E DIN GUN Coni. inversa. Maschio a macchina HSS DIN Gun.	AB C H	3>36	190
960ST21		HSSE TiN DIN machine taps. I Flashcut I . Macho de máquina HSSE TiN. I Flashcut I , gun. Maschio a macchina HSS-E TiN DIN I Flashcut I Gun.	A B CDE	3>14	191
9605021		Machine tapping. Production. Metric/metric fine pitch. Macho máquina HSS EE [ASP] DIN GUN. Maschio a macchina HSS-EE [ASP] DIN Gun.	A B CDE	2>10	191
9606021		HSS EE [ASP] DIN machine tap GUN. Macho máquina HSS EE [ASP] DIN GUN. Maschio a macchina HSS-EE [ASP] DIN Gun.	A B CDE	3>18	192
9605821		HSS EE [ASP] DIN machine taps. GUN STEAM Back chamfer. Macho máquina HSS EE [ASP] DIN. GUN STEAM. Conicidad trasera. Maschio a macchina HSS-EE [ASP] DIN Steam Gun.	CDE FGH ARCo ARNi	2>10	192
9606821		HSS EE [ASP] DIN machine taps. GUN STEAM Back chamfer. Macho máquina HSS EE [ASP] DIN. GUN STEAM conicidad trasera. Maschio a macchina HSS-EE [ASP] DIN Steam Gun.	CDE FGH ARCo ARNi	6>16	193
960IT21		HSSEE (ASP) TiCN-MP. DIN machine taps I Flashcut I . Back chamfer. Macho de máquina HSSE (ASP) TiCNMP I Flashcut I . Coni. inversa, gun. Maschio a macchina HSS-EE TiCN MP DIN I Flashcut I Gun.	CDE FGH ARCo ARNi Ti	3>14	193
9605081		HSS EE [ASP] DIN machine tap GUN interrupted threads. Macho de máquina HSS EE [ASP] DIN. GUN diente alterno. Maschio a macchina HSS-EE [ASP] DIN denti alternati Gun.	K L M	3>10	194
9606081		HSS EE [ASP] DIN machine tap GUN interrupted threads. Macho de máquina HSSE (ASP) DIN. Diente alterno, Gun. Maschio a macchina HSS-EE [ASP] DIN denti alternati.	K L M	6>16	194
960AT21		HSSEE (ASP) TiN. DIN machine taps I Flashcut I . Interrupted threads. Macho de máquina HSSEE (ASP) TiN I Flashcut I . Diente alterno, gun. Maschio a macchina HSS-EE [ASP] TiN DIN I Flashcut I denti alternati Gun.	K L M	3>14	195

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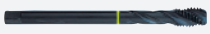
Item	Packshot	Designation	Application	Rge	Page
9704601		HSSE NFE machine taps long straight. Macho de máquina HSSE NFE Largo. Recto. Maschio a macchina HSS-EE NFE lungo dritto.	A B CDE	3>16	195
9704611		HSSE NFE machine tap long straight. Macho de máquina HSSE NFE Largo. Gun. Maschio a macchina HSS-E NFE lungo Gun.	A B CDE	3>12	196
9704011		HSSE NFE machine tap long 280-520 straight. Machos de máquina HSSE NFE L 280-520 recto. Maschio a macchina HSS-E NFE L 280-520.	A B CDE	3>24	196
9602031		HSSE DIN machine tap Spiral flute 15°. Macho de máquina HSSE DIN helicoidal 15°. Maschio a macchina HSS-E DIN elica 15°.	C D E	2>8	197
9603031		HSSE DIN machine tap Spiral flute 15°. Macho de máquina HSSE DIN helicoidal 15°. Maschio a macchina HSS-E DIN elica 15°.	C D E	4>30	197
1050121		HSS ISO machine tap Spiral flute 35° Back chamfer. Macho de máquina HSS ISO helicoidal 35º coni. Inversa. Maschio a macchina HSS ISO elica 35°.	AB C H	3>20	198
1050101		HSS DIN machine tap Spiral flute 35° | T LINE Macho de máquina HSS DIN helicoidal 35° | T LINE Maschio a macchina HSS DIN elica 35° | T LINE	A B	3>20	199
1602551		HSS DIN machine tap Spiral flute 35°. Macho de máquina HSS DIN helicoidal 35º. Maschio a macchina HSS DIN elica 35°.	A B	2>10	199
1603551		HSS DIN machine tap Spiral flute 35°. Macho de máquina HSS DIN helicoidal 35º. Maschio a macchina HSS DIN elica 35°.	A B	12>33	200
9602051		HSSE DIN machine tap Spiral flute 35° back chamfer. Macho de máquina HSSE DIN helicoidal 35º coni. Inversa. Maschio a macchina HSS-E DIN elica 35°.	AB C H	2>10	200
9603051		HSSE DIN machine tap Spiral flute 35° back chamfer. Macho de máquina HSSE DIN helicoidal 35º Coni. Inversa. Maschio a macchina HSS-E DIN elica 35°.	AB C H	4>30	201
960ST51		HSSE TiN. DIN machine taps. Spirale flute 35°. | Flashcut | . Macho de máquina HSSE TiN. | Flashcut | , hél 35º. Maschio a macchina HSS-EE TiN DIN | Flashcut | elica 35°.	A B CDE	3>14	202
9605051		HSSEE [ASP] DIN machine taps spiral flute 35°. Macho máquina HSSEE (ASP) DIN Hél. 35º. Maschio a macchina HSS-EE [ASP] DIN elica 35°.	A B CDE	2>10	202
9606051		HSSEE [ASP] DIN machine taps spiral flute 35°. Macho máquina HSSEE (ASP) DIN Hél. 35º. Maschio a macchina HSS-EE [ASP] DIN elica 35°.	A B CDE	8>12	203
9605851		HSSEE [ASP] DIN machine taps spiral flute 35° STEAM back chamfer. Macho de máquina HSSEE (ASP) DIN, STEAM. Conic. trasera. Hél. 35º. Maschio a macchina HSS-EE [ASP] DIN Steam, elica 35°.	CDE FGH ARCo ARNi	3>10	203
9606851		HSSEE [ASP] DIN machine taps spiral flute 35° STEAM back chamfer. Macho de máquina HSSEE (ASP) DIN, STEAM. Conic. trasera. Hél. 35º. Maschio a macchina HSS-EE [ASP] DIN Steam, elica 35°.	CDE FGH ARCo ARNi	6>18	204
960IT51		HSSEE [ASP] TiCN-MP. DIN Spiral flute 35°. | Flashcut | , back chamfer. Macho máquina HSSEE (ASP) TiCNMP. | Flashcut | , con. inversa, hél 35º. Maschio a macchina HSS-EE [ASP] TiCN MP | Flashcut | , elica 35°.	CDE FGH ARCo ARNi Ti	3>14	204
9605061		HSSEE (ASP), DIN, spiral flute, 45°, taps Interrupted threads, Z2. Macho máquina HSSEE (ASP) DIN, diente alterno, Z2, hél. 45º. Maschio a macchina HSS-EE [ASP] DIN denti alternati Z2 elica 45°.	A KLM P	3>10	205
9606061		HSSEE (ASP), DIN, spiral flute, 45°, taps Interrupted threads, Z3. Macho máquina HSSEE (ASP), DIN, diente alterno, Z2, hél. 45º. Maschio a macchina HSS-EE [ASP] DIN denti alternati Z2 elica 45°.	A KLM P	8>12	205
960AT51		HSSEE (ASP) TiN DIN Spiral flute 35°. | Flashcut | , interrupted threads. Macho máquina HSSEE (ASP) TiN | Flashcut | , diente alterno, hél. 35º. Maschio a macchina HSS-EE [ASP] TiN | Flashcut | Denti alternati elica 35°.	K L M	3>14	206

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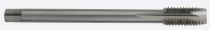
	Item	Packshot	Designation	Application	Rge	Page
	960ST91		HSSEE [ASP] TiN DIN Forming taps | Flashcut | grooves. Macho máquina HSSEE (ASP) TiN | Flashcut | Ranuras, laminación. Maschio a macchina HSS-EE TiN | Flashcut | scanalature a rullare.	A B CDE	3>14	206
	960AT91		HSSEE (ASP) TiN DIN forming taps | Flashcut | Macho máquina HSSEE (ASP) TiN | Flashcut | laminación. Maschio a macchina HSS-EE [ASP] TiN | Flashcut | a rullare.	K L M	3>14	207
	960IT91		HSSEE (ASP) TiCN-MP. DIN Forming taps. | Flashcut | grooves. Macho máquina HSSEE (ASP) TiCNMP | Flashcut | Ranuras, laminación. Maschio a macchina HSS-EE TiCNMP | Flashcut | scanalature a rullare.	CDE FGH O	3>14	207
UNC | UNF	9622011		HSS E DIN machine tap Straight. Macho de máquina HSSE recto. Maschio a macchina HSS dritto.	A B KLM	N°6>3/8	208
	9623011		HSS E DIN machine tap Straight. Macho de máquina HSSE recto. Maschio a macchina HSS dritto.	A B KLM	7/16> 3/4	208
	962CT11		HSSEE (ASP) TiCN DIN machine taps. | Flashcut | straight. Macho máquina HSSEE (ASP) TiCN Flash cut, recto. Maschio a macchina HSS-EE [ASP] TiCN DIN | Flashcut | dritto.	I J	1/4>1"	209
	962BT11		HSSE DIN machine taps. | Flashcut | straight flute. Macho máquina HSSE | Flashcut | recto. Maschio a macchina HSS-E DIN | Flashcut | dritto.	N O	1/4>1"	209
	9622021		HSSE DIN machine tap GUN. Macho de máquina HSSE DIN GUN. Maschio a macchina HSS-E DIN Gun.	A B KLM	N°4>3/8	210
	9623021		HSSE DIN machine tap GUN. Macho de máquina HSSE DIN Gun. Maschio a macchina HSS-E DIN Gun.	A B KLM	1/4>1"	210
	962ST21		HSSE TiN DIN machine taps. | Flashcut | . Macho máquina HSSE TiN. Flaschcut, gun. Maschio a macchina HSS-E TiN DIN | Flashcut | Gun.	A B CDE	1/4>1"	211
	962IT21		HSSEE (ASP) TiCNMP. DIN machine taps. | Flashcut | back chamfer. Macho máquina HSSEE (ASP) TiCNMP | Flashcut | . Conicidad inversa, gun. Maschio a macchina HSS-EE [ASP] TiCN MP DIN | Flashcut | Gun.	CDE FGH ARCo ARNi Ti	1/4>1"	211
	962AT21		HSSEE (ASP) TiN. DIN machine taps | Flashcut | , interrupted threads. Macho máquina HSSEE (ASP) TiN | Flashcut | . Diente alterno, gun. Maschio a macchina HSS-EE [ASP] TiN | Flashcut | Denti alternati Gun.	K L M	1/4>1"	212
	962ST51		HSSE TiN. DIN machine taps, spirale flute 35°. | Flashcut | . Macho máquina HSSE TiN. | Flashcut | , hel. 35°. Maschio a macchina HSS-E TiN DIN | Flashcut | , elica 35°.	A B CDE	1/4>1"	212
	9622051		HSSE DIN machine tap Spiral flute 35°. Macho de máquina HSSE DIN Hél. 35°. Maschio a macchina HSS-E DIN elica 35°.	A B KLM	N°4>3/8	213
	9623051		HSSE DIN machine tap Spiral flute 35°. Macho de máquina HSSE DIN Hél. 35°. Maschio a macchina HSS-E DIN elica 35°.	A B KLM	5/16> 3/4	213
	962IT51		HSSEE (ASP) TiCNMP. DIN Spiral flute 35°. | Flashcut | , back chamfer. Macho máquina HSSEE (ASP) TiCNMP | Flashcut | . Coni. inversa, hel. 35°. Maschio a macchina HSS-EE [ASP] TiCN MP | Flashcut | , elica 35°.	CDE FGH ARCo ARNi Ti	1/4>1"	214
	962AT51		HSSEE [ASP] TiN DIN Spiral flute 35°. | Flashcut | , interrupted threads. Macho máquina HSSEE (ASP) TiN | Flashcut | . Diente alterno, hél. 35°. Maschio a macchina HSS-EE [ASP] TiN | Flashcut | Denti alternati elica 35°.	K L M	1/4>1"	214
BSP (G)	963BT11		HSSE DIN machine taps. | Flashcut | , straight. Macho máquina HSSE | Flashcut | , recto. Maschio a macchina HSS-E DIN | Flashcut | Dritto.	N O	1/8>1"	215
	963CT11		HSSEE [ASP] TiCN DIN machine taps. | Flashcut | , straight. Macho máquina HSSEE (ASP) TiCN | Flashcut | , recto. Maschio a macchina HSS-EE [ASP] TiCN DIN | Flashcut | Dritto.	I J	1/8>1"	215
	9633011		HSSE DIN machine tap Straight . Macho máquina HSSE DIN recto. Maschio a macchina HSS-E DIN dritto.	A B KLM	1/8> 1"1/4	216

Machine | Máquina | Macchina

	Item	Packshot	Designation	Application			Rge	Page
	9633021		HSSE DIN machine tap GUN. Macho de máquina HSSE DIN GUN. Maschio a macchina HSS-E DIN Gun.	A	B	KLM	1/8>1"	216
	9633031		HSSE DIN machine tap Spiral flute 15°. Macho de máquina HSSE DIN Hél. 15°. Maschio a macchina HSS-E DIN elica 15°.	A	B	CDE	1/8>1"	217
	9633051		HSSE DIN machine tap Spiral flute 35°. Macho de máquina HSSE DIN helicoidal 35°. Maschio a macchina HSS-E DIN elica 35°.	A	B	KLM	1/8> 1"1/2	217
BSW I BSF	9612011		HSSE DIN machine tap Straight. Macho de máquina HSSE DIN recto. Maschio a macchina HSS-E DIN dritto.	A	B	KLM	1/8>3/8	218
	9612021		HSSE DIN machine tap GUN. Macho de máquina HSSE DIN Gun. Maschio a macchina HSS-E DIN Gun.	A	B	KLM	1/8>3/8	218
	9613021		HSSE DIN machine tap GUN. Macho de máquina HSSE DIN Gun. Maschio a macchina HSS-E DIN Gun.	A	B	KLM	1/4>1"	219
	9612051		HSSE DIN machine tap Spiral flute 35°. Macho de máquina HSSE DIN Hél. 35°. Maschio a macchina HSS-E DIN elica 35°.	A	B	KLM	1/8>3/8	219
	9613051		HSSE DIN machine tap Spiral flute 35°. Macho de máquina HSSE DIN Hél. 35°. Maschio a macchina HSS-E DIN elica 35°.	A	B	KLM	1/2>1"	220
P9	9653011		HSSE DIN machine tap Straight. Macho de máquina HSSE DIN recto. Maschio a macchina HSS-E DIN dritto.	AB	CDE	KLM	7>29	220
NPT	9643101		HSS machine tap Straight. Short series. Macho de máquina HSS recto. Serie corta. Maschio a macchina HSS dritto. Corto.	AB	CDE	KLM	1/16>1"	221
	9643011		HSS machine tap Straight . Macho de máquina HSS recto. Maschio a macchina HSS dritto.	AB	CDE	KLM	1/16> 1"1/2	221
BSPT	9663101		HSS machine tap Straight. Short series. Macho de máquina HSS recto. Serie corta. Maschio a macchina HSS dritto. Corto.	AB	CDE	KLM	1/8>1"	222
	9663011		HSS machine tap Straight. Macho de máquina HSS recto. Maschio a macchina HSS dritto.	AB	CDE	KLM	1/8>3/4	222

Dies | Cojinetes | Filettatura

Item	Packshot	Designation	Application	Rge	Page
1100031		HSS ISO Dies. C form (cage 25,4), M/MF. Cojinetes HSS ISO forma C [diam. Int. 25,4-38,1-50,8- 63,5] M/MF. Filiera HSS ISO, forma C (Ø esterno 25,4), M/MF.	A B KLM	2>12	226
1100041		HSS ISO Dies. C form (cage 38,1), M/MF. Cojinetes HSS ISO forma C [diam. Int. 25,4-38,1-50,8- 63,5] M MF. Filiera HSS ISO, forma C (Ø esterno 38,1), M/MF.	A B KLM	8>20	227
1100051		HSS ISO Dies. C form (cage 50,8), M/MF. Cojinetes HSS ISO forma C [diam. Int. 25,4-38,1-50,8- 63,5] M MF. Filiera HSS ISO, forma C (Ø esterno 50,8), M/MF.	A B KLM	16>24	228
1100061		HSS ISO Dies. C form (cage 63,5), M/MF. Cojinetes HSS ISO forma C [diam. Int. 25,4-38,1-50,8- 63,5] M MF. Filiera HSS ISO, forma C (Ø esterno 63,5), M/MF.	A B KLM	24>30	228
1100411		HSS DIN Dies. B form, M. Cojinetes HSS DIN entrada forma B M. Filiera HSS DIN, forma B, M.	A B KLM	2>42	229
1100441		HSS DIN Dies. B form, MF. Cojinetes HSS DIN entrada forma B MF. Filiera HSS DIN, forma B, MF.	A B KLM	8>30	230
1100471		HSS DIN Dies. C form, UNC. Cojinetes HSS DIN entrada forma B UNC. Filiera HSS DIN, forma C, UNC.	A B KLM	5>3/4	230
1100481		HSS DIN Dies. B form, UNF. Cojinetes HSS DIN entrada forma B UNF. Filiera HSS DIN, forma B, UNF.	A B KLM	5>3/4	231
1100491		HSS DIN Dies. B form, BSP G. Cojinetes HSS DIN entrada forma B BSP G. Filiera HSS DIN, forma B, BSP G.	A B KLM	1/8> 1"1/2	231
1100501		HSS DIN Dies. B form, BSW. Cojinetes HSS DIN entrada forma B BSW. Filiera HSS DIN, forma B, BSW.	A B KLM	1/8>1"	232
1110041		Die holder. Steel body and handle. Porta cojinetes (acero). Porta filiera. Corpo e manico in acciaio.		-	232
1110051		End die holder. Steel body. Alargador de porta cojinetes (acero). Porta filiera verticale. Corpo in acciaio.		-	233

Carbide & HSS end mills | Fresas metal duroy HSS | Frese carbure e HSS

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8232971		Solid carbide end mills 25° Z1. Fresa Metal Duro 25°. Z1. Fresa in MD 25°. Z1.	KLM P	2>10	238
8236651		Solid carbide end mills, 25°, Z1. Fresa Metal Duro 25º, Z1. Fresa in MD 25°. Z1.	P	2>12	238
8236661		Solid carbide end mills, 25°, Z1. Left hand/right cutting. Fresa Metal Duro 25º. Z1. Izquierda. Fresa in MD 25°. Z1. Sinistra.	P	2>8	239
8236671		Solid carbide end mills, 25°, Z2. Fresa Metal Duro 25º, Z2. Fresa in MD 25°. Z2.	P	2>12	239
8236241		Solid carbide end mills, 20°, Z2, rake angle 15°. Fresa Metal Duro , 20º, Z2, ángulo de corte 15º. Fresa in MD 20°. Z2 angolo di taglio 15°.	K L M	3>20	240
8236251		Solid carbide SLIDECUT end mills, 20°, Z2, rake angle 15°. Fresa Metal Duro SLIDECUT, 20º, Z2, ángulo de corte 15º. Fresa in MD SLIDECUT 20°. Z2 angolo di taglio 15°.	K L M	3>20	240
8236131		Solid carbide end mills, 45°, Z2. Fresa Metal Duro 45º. Z2. Fresa in MD 45°. Z2.	KLM P	1>25	241
8236141		Solid carbide ALCUT end mills, 45°, Z2. Fresa Metal Duro ALCUT 45º. Z2. Fresa in MD ALCUT 45°. Z2.	KLM P	1>25	241
8236021		Solid carbide end mills, DIN, Z2 Chamfer edge protect. Fresa Metal Duro Z2, chaflán de protección. Fresa in MD Z2 con smussi di protezione.	AB CD FGH	1>25	242
8236151		Solid carbide HARDCUT end mills, DIN, Z2 Chamfer edge protect. Fresa Metal Duro HARDCUT Z2, chaflán de protección. Fresa in MD HARDCUT Z2 con smussi di protezione.	AB CD FGH	1>25	243
8236451		Solid carbide end mills, DIN, Z2 short. Chamfer edge protect. Fresa Metal Duro , DIN, Z2, corta. Fresa in MD DIN Z2 corta. Smusso di protezione.	AB CD FGH	1>20	244
8236461		Solid carbide ALCRONA end mills, DIN, Z2 short. Chamfer edge protect. Fresa Metal Duro ALCRONA, DIN, Z2, corta. Fresa in MD DIN Z2 corta. Smusso di protezione.	AB CD FGH	1>20	245
8236511		Solid carbide end mills, DiN, Z2, long. Chamfer edge protect. Fresa Metal Duro , DiN, Z2, larga. Fresa in MD DIN Z2 corta. Smusso di protezione.	AB CD FGH	2>20	246
8236521		Solid carbide ALCRONA end mills, DiN, Z2, long. Chamfer edge protect. Fresa Metal Duro ALCRONA, DiN, Z2, larga. Fresa in MD DIN Z2 corta. Smusso di protezione.	AB CD FGH	2>20	247
8236571		Solid carbi. , end mills, DIN, Z,2 extra long. Chamfer edge prot. Fresa Metal Duro , DIN, Z2, extra-larga. Fresa in MD Z2 extra-lunga.	AB CD FGH	3>20	248
8236581		Solid carbi. ALCRONA, end mills, DIN, Z,2 extra long. Chamfer edge prot. Fresa Metal Duro ALCRONA, DIN, Z2, extra-larga. Fresa in MD Z2 extra-lunga.	AB CD FGH	3>20	249
8236681		Solid carbide end mills, 25°, Z3, chamfer edge protect. Fresa Metal Duro 25º, Z3. Fresa in MD 25°. Z3. Smusso di protezione.	P	2>12	249
8236441		Solid carbide ALCRONA end mills Z3 Corner radius. Rake angle 16°. Fresa MD ALCRONA Z3 con radio. Corte a 16°. Fresa in MD ALCRONA Z3 con raggio, taglio a 16° .	AB CD FGH	2>20	250
8236211		Solid carbide ULTRACUT end mills, Z3. Chamfer edge protection. Fresa Metal Duro ULTRACUT, Z3. Chaflán de protección. Fresa in MD ULTRACUT. Z3 con smussi di protezione.	CDE FGH ARCo ARNi Ti	3>20	251

Carbide & HSS end mills | Fresas metal duroy HSS | Frese carbure e HSS

Item	Packshot	Designation	Application			Rge	Page
8236031		Solid carbide end mills, Z3. Chamfer edge protection. Fresa Metal Duro Z3, chaflán de protección. Fresa in MD. Z3 con smussi di protezione.	AB	CD	FGH	1>25	251
8236161		Solid carbide HARDCUT end mills, Z3. Chamfer edge protection. Fresa Metal Duro HARDCUT Z3, chaflán de protección. Fresa in MD HARDCUT Z3 con smussi di protezione.	AB	CD	FGH	1>25	252
8236471		Solid carbide end mills, DiN, Z3, short series. Chamfer edge protect. Fresa Metal Duro , DiN, Z3, corta, chaflán de protección. Fresa in MD DIN Z3 corta, smussi di protezione.	AB	CD	FGH	1>20	253
8236481		Solid carbide end mills, DiN, Z3, short series. Chamfer edge protect. Fresa Metal Duro ALCRONA, DiN, Z3, corta, chaflán de protección. Fresa in MD DIN Z3 corta, smussi di protezione.	AB	CD	FGH	1>20	254
8236531		Solid carbide end mills, DiN, Z3, long series. Chamfer edge protect. Fresa Metal Duro , DiN, Z3, larga, chaflán de protección. Fresa in MD DIN Z3 corta, smussi di protezione.	AB	CD	FGH	2>20	255
8236541		Solid carbide end mills, DiN, Z3, long series. Chamfer edge protect. Fresa Metal Duro ALCRONA, DiN, Z3, larga, chaflán de protección. Fresa in MD DIN Z3 corta, smussi di protezione.	AB	CD	FGH	2>20	256
8236101		Solid carbide end mills,DiN, Z3 extra long series. Chamfer edge protect. Fresa Metal Duro , DiN, Z3, extra-larga. Chaflán de protección. Fresa in MD Z3 extra-lunga.	AB	CD	FGH	3>20	257
8236601		Solid carbide end mills,DiN, Z3 extra long series. Chamfer edge protect. Fresa Metal Duro ALCRONA, DiN, Z3, extra-larga. Chaflán de protección. Fresa in MD Z3 extra-lunga.	AB	CD	FGH	3>20	258
8236401		Solid carbide ALCRONA end mills Z4 Corner radius. Fresa Metal Duro ALCRONA Z4 con radio. Fresa in MD ALCRONA Z4 con raggio.	CDE	FGH	IJ	6>20	259
8236421		Solid carbide ALCRONA, end mills, Z4, corner radius, twin depth flute. Fresa carburo ALCRONA, Z4, con radio con ropevirutas. Fresa in MD ALCRONA Z4 con raggio e gole profonde.	CDE	FGH	IJ	8>20	260
8236041		Solid carbide end mills Z4 Chamfer edge protection. Fresa Metal Duro Z4, chaflán de protección. Fresa in MD Z4 con smussi di protezione.	AB	CD	FGH	1>25	261
8236171		Solid carbide HARDCUT end mills Z4 Chamfer edge protection. Fresa Metal Duro HARDCUT Z4, chaflán de protección. Fresa in MD HARDCUT Z4 con smussi di protezione.	AB	CD	FGH	1>25	262
8236491		Solid carb. , end mills, DiN, Z4, short s. Chamfer edge protect. Fresa carburo , DiN, Z4, corta, chaflán de protección. Fresa in MD DIN Z4, corta, smussi di protezione.	AB	CD	FGH	1>20	263
8236501		Solid carb. ALCRONA, end mills, DiN, Z4, short s. Chamfer edge protect. Fresa carburo ALCRONA, DiN, Z4, corta, chaflán de protección. Fresa in MD DIN Z4, corta, smussi di protezione.	AB	CD	FGH	1>20	264
8236551		Solid carb. end mills, DiN, Z4, long s. Chamfer edge protect. Fresa Metal Duro, DiN, Z4, larga. Chaflán de protección. Fresa in MD DIN Z4, lunga, smussi di protezione.	AB	CD	FGH	2>20	265
8236561		Solid carb. ALCRONA, end mills, DiN, Z4, long s. Chamfer edge protect. Fresa Metal Duro ALCRONA, DiN, Z4, larga. Chaflán de protección. Fresa in MD DIN Z4, lunga, smussi di protezione.	AB	CD	FGH	2>20	266
8236611		Solid carb. , end mills, DiN, Z4, extra lo. Chamfer edge protect. Fresa Metal Duro , DiN, Z4, extra-larga. Chaflán de protección. Fresa in MD Z4 extra-lunga, smussi di protezione.	AB	CD	FGH	3>20	267
8236621		Solid carb. ALCRONA, end mills, DiN, Z4, extra lo. Chamfer edge protect. Fresa Metal Duro ALCRONA, DiN, Z4, extra-larga. Chaflán de protección. Fresa in MD Z4 extra-lunga, smussi di protezione.	AB	CD	FGH	3>20	268
8236361		Solid carbide ULTRACUT ZMAX rake angle 0°, chamfer edge protect. Fresa Metal Duro ULTRACUT ZMAX, corte a 0°, chaflán de protección. Fresa in MD ULTRACUT Z6, smussi di protezione.	D	E	ARCo ARNi Ti	6>16	268
8236341		Solid carbide ULTRACUT Z4-8 Corner radius Rake angle 5°. Fresa Metal duro ULTRACUT Z4-8 con radio, corte a 5°. Fresa in MD ULTRACUT Z4-8 con raggio, taglio a 5°.	D	E	ARCo ARNi Ti	3>20	269

Carbide & HSS end mills | Fresas metal duroy HSS | Frese carbure e HSS

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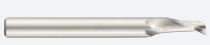
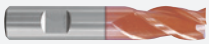
8236231		Solid carbide ULTRACUT end mills, Z6. Chamfer edge protect. Fresa Metal duro ULTRACUT, Z6, chaflán de protección. Fresa in MD ULTRACUT Z6, smussi di protezione.	AB CD FGH	6>20	269
8236061		Solid carbide Z2 Ball nosed. Fresa Metal Duro Z2 punta esférica. Fresa in MD Z2, semisferica.	AB CD FGH	1>25	270
8236181		Solid carbide HARDCUT Z2 Ball nosed. Fresa Metal Duro HARDCUT Z2 punta esférica. Fresa in MD Z2, semisferica.	AB CD FGH	1>25	271
8236711		Solid carbide Z3 Ball nosed. Fresa Metal Duro Z2 punta esférica. Fresa in MD, Z3, semisferica.	AB CD FGH	1>25	272
8236261		Solid carbide HARDCUT Z3 Ball nosed. Fresa Metal Duro HARDCUT Z2 punta esférica. Fresa in MD, Z3, semisferica.	AB CD FGH	1>25	273
8236071		Solid carbide Z4 Ball nosed. Fresa Metal Duro Z2 punta esférica. Fresa in MD Z4, semisferica.	AB CD FGH	1>25	274
8236191		Solid carbide HARDCUT Z4 Ball nosed. Fresa Metal Duro HARDCUT Z2 punta esférica. Fresa in MD Z4, semisferica.	AB CD FGH	1>25	275
8236831		Solid Carbide router end mills. Fresa Metal Duro recantear punta fresa. Fresa in MD per contornare con fresa all'estremità.	X	3>12	276
8236841		Solid Carbide router end mills. Drill point. Fresa Metal Duro recantear punta broca. Fresa in MD per contornare con punta all'estremità.	X	3>12	276
8236851		Solid Carbide router end mill. Drill point (fish tail). Fresa Metal Duro recantear punta broca "queue de poisson". Fresa in MD per contornare con estremità "coda di pesce".	X	3>12	277
8236281		Solid carbide ULTRACUT end mills Z2 rake angle 16° Oversize shank. Fresa MD ULTRACUT Z2 corte a 16°, mango reforzado. Fresa in MD ULTRACUT Z2 taglio a 16° codolo rinforzato.	CDE FGH ARCo ARNi Ti	3>12	277
8236311		Solid carbide ULTRACUT end mills Z2 rake angle 16°. Fresa MD ULTRACUT Z2 cote a 16°. Fresa in MD ULTRACUT Z2 taglio a 16°.	CDE FGH ARCo ARNi Ti	3>16	278
HSS 8030881		HSSE8 Router end mills Z1. Fresa HSSE8 Z1. Fresa per contornare HSS-E8, Z1.	K L M	4>10	280
8030031		HSSE8 end mills Z2 short series Slotting. Fresa para ranurar HSSE8 Z2 serie corta. Fresa per scanalare HSS-E8, Z2 corta.	AB CD FGH	1>40	281
8036491		HSSE8 HIGHCUT end mills Z2 short series Slotting. Fresa para ranurar HSSE8 HIGHCUT Z2 serie corta. Fresa per scanalare HSS-E8, Z2 corta.	AB CD FGH	1>25	282
8030131		HSSE8 end mills Z2 Slotting. Fresas para ranurar HSSE8 Z2. Fresa per scanalare HSS-E8, Z2, normale.	AB CD FGH	2>20	283
8037131		HSSE8 TiAlN end mills Z3 Slotting. Fresas para ranurar HSSE8 TiAlN Z3. Fresa per scanalare HSS-E8, TiAlN, Z3, normale.	AB CD FGH	4>20	284
8030111		HSSE8 end mills Z3 short series Slotting. Fresas para ranurar HSSE8 Z3. Fresa per scanalare HSS-E8, Z3, corta.	AB CD FGH	2>32	285
8036171		HSSE8 HIGHCUT end mills Z3 short series Slotting. Fresas para ranurar HSSE8 (HIGHCUT) Z3. Fresa per scanalare HSS-E8 HIGHCUT, Z3, corta.	AB CD FGH	2>25	286
8034761		HSSE8 end mills. Z3 Slotting. Fresas para ranurar HSSE8 Z3. Fresa per scanalare HSS-E8, Z3, normale.	AB CD FGH	3>32	286

Carbide & HSS end mills | Fresas metal duroy HSS | Frese carbure e HSS

Item	Packshot	Designation	Application			Rge	Page
8036501		HSSE8 HIGHCUT end mills. Z3 Slotting. Fresas para ranurar HSSE8 (HIGHCUT) Z3. Fresa per scanalare HSS-E8, Z3, normale.	AB	CD	FGH	3>25	287
8032811		HSSE8 end mills. Z3 long series Slotting. Fresas para ranurar HSSE8 Z3 serie larga. Fresa per scanalare HSS-E8, Z3, lunga.	AB	CD	FGH	4>20	288
8030261		HSSE8 end mills Z2-3 Finishing. Fresa de acabado HSSE8 Z2-3. Fresa per finitura HSS-E8, Z2-3, normale.	KLM			3>32	288
8030281		HSSE8 end mills Z2-3 long series Finishing. Fresa de acabado HSSE8 Z2-3 serie larga. Fresa per finitura HSS-E8, Z2-3, lunga.	KLM			4>32	289
8037141		HSSE8 TiAlN end mills Z4 Finishing. Fresa de acabado HSSE8 TIALN Z4. Fresa per finitura HSS-E8, TiAlN Z4 normale.	AB	CD	FGH	4>20	290
8030191		HSSE8 HIGHTCUT end mills. Z3-6 Finishing. Fresa de acabado HSSE8 Z3-6. Fresa per finitura HSS-E8, Z3-6, normale.	AB	CD	FGH	2>40	290
8036221		HSSE8 HIGHTCUT end mills. Z3-6 Finishing. Fresa de acabado HSSE8 HIGHCUT Z3-6. Fresa per finitura HSS-E8, Z3-6, normale.	AB	CD	FGH	2>32	291
8030151		HSSE8 end mills Z3 long series Finishing. Fresa de acabado HSSE8 Z3 serie larga. Fresa per finitura HSS-E8, Z3, lunga.	AB	CD	FGH	4>20	292
8030821		HSS PM [ASP] end mills Z4-6 long series Finishing. Fresa de acabado HSS PM (ASP) HIGHCUT Z4-6 serie larga. Fresa per finitura HSS PM Z4-6 lunga.	AB	CD	FGH	6>32	292
8030231		HSSE8 end mills. Z4-6 long series Finishing. Fresa de acabado HSSE8 Z4-6 serie larga. Fresa per finitura HSS-E8 Z4-6 lunga.	AB	CD	FGH	4>40	293
8036231		HSSE8 HIGHCUT end mills. Z4-6 long series Finishing. Fresa de acabado HSSE8 HIGHCUT Z4-6 serie larga. Fresa per finitura HSS-E8 HIGHCUT Z4-6 lunga.	AB	CD	FGH	4>30	294
8030161		HSSE8 end mills. Z4 extra long series Finishing. Fresa de acabado HSSE8 Z4 serie extra larga. Fresa per finitura HSS-E8 Z4 extra lunga.	AB	CD		6>20	294
8037151		HSSE8 TiAlN end mills Z4 Roughing. Fresa para desbastar HSSE8 TiALN Z4. Fresa per sgrossatura HSS-E8 TiAlN Z4 normale.	AB	CD	FGH	6>20	295
8036341		HSSE8 end mills Z4-6 Roughing. Fresa para desbastar HSSE8 Z4-6. Fresa per sgrossatura HSS-E8 Z4-6 normale.	AB	CD	FGH	6>32	295
8036351		HSSE8 HIGHCUT end mills Z4-6 Roughing. Fresa para desbastar HSSE8 HIGHCUT Z4-6. Fresa per sgrossatura HSS-E8 Z4-6 normale.	AB	CD	FGH	6>32	296
8036371		HSS PM (ASP) HIGHCUT, end mills. Z4-6, roughing. Fresa para desbaste HSS PM (ASP) HIGHCUT, Z4-6, normal. Fresa per sgrossatura HSS PM HIGHCUT Z4-6 normale.	AB	CD	FGH	6>32	296
8036411		HSSPM [ASP] end mills. Z4-6 long series Roughing. Fresa para desbaste HSSPM (ASP) (HIGHCUT) Z4-6 serie larga. Fresa per sgrossatura HSS PM HIGHCUT Z4-6 lunga.	AB	CD	FGH	8>32	297
8034651		HSSE8 end mills Z2 Morse taper shank Slotting. Fresa para ranurar HSSE8 Z2 mango cónico. Fresa per scanalatura HSS-E8 Z2, attacco cono morse.	AB	CD	IJ	12>50	297
8030421		HSSE8 end mills Z4-6 Morse taper shank Finishing. Fresa de acabado HSSE8 Z4-6 mango cónico. Fresa per finitura HSS-E8, Z4-6, attacco cono morse.	AB	CD	IJ	12>50	298
8030451		HSSE8 end mills Z4-6 long series Morse taper shank Finishing. Fresa de acabado HSSE8 Z4-6 serie larga. Mango cónico. Fresa per finitura HSS-E8, Z4-6, attacco cono morse, lunga.	AB	CD	IJ	12>50	298

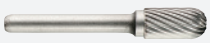
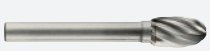
Carbide & HSS end mills | Fresas metal duroy HSS | Frese carbure e HSS

Item	Packshot	Designation	Application	Rge	Page
8030461		HSSE8 end mills Z4-6 extra long series Morse taper shank Finishing. Fresa de acabado HSSE8 Z4-6 serie extra-larga. Mango cónico. Fresa per finitura HSS-E8, Z4-6, attacco cono morse, extra-lunga.	AB CD IJ	16>50	299
8036801		HSSE8 end mills Z4-6 Morse taper shank Roughing. Fresa para desbastar HSSE8 Z4-6. Mango cónico. Fresa per sgrossatura HSS-E8, Z4-6, attacco cono morse.	AB CD IJ	12>50	300
8036811		HSSE8 end mills Z4-6 long series Morse taper shank Roughing. Fresa para desbastar HSSE8 Z4-6 serie larga. Mango cónico. Fresa per sgrossatura HSS-E8, Z4-6, attacco cono morse, lunga.	AB CD IJ	16>50	301
8030661		HSSE8 Shell end mills Z7-10 Tenon drive. Fresa con agujero HSSE8 Z7-10. Con lengüeta de arrastre. Fresa a manicotto HSS-E8, Z7-10, attacco con tenone.	AB CD IJ	40>80	301
8030761		HSSE5 Side and face milling cutters Z16-22 Stagg. teeth Tenon drive. Fresa 3 cortes HSSE5 Z16-22 para chaveteros, dentado alterno. Fresa a 3 tagli HSS-E5, Z16-22, con chiavetta, denti alternati.	AB CD IJ	63>125	302
8031051		HSSE5 Dovetail cutters 45/60° inverted cone. Fresa de ángulo HSSE5 45º/60º cono inverso. Fresa ad angolo HSS-E5 45°/60° cono rovesciato.	A B KLM	16>32	303
8031061		HSSE5 Dovetail cutters 45/60° direct cone. Fresas de ángulo HSSE5 45º/60º cono normal. Fresa ad angolo HSS-E5, 45°/60°.	A B KLM	16>25	303
8031161		HSSE5 Profile cutters Corner rounding relieved. Fresa de forma HSSE5 cóncava 1/4. Fresa a profilo HSS-E5, concava, 1/4 di cerchio.	A B	8>47	304
8031511		HSS slitting saws fine teeth. Fresa de sierra HSS dentado fino. Sega circolare HSS, denti dritti fini.	A B KLM	20>250	305
8031521		HSS slitting saws medium teeth. Fresa de sierra HSS dentado grueso. Sega circolare HSS, denti dritti grossi.	A B KLM	50>250	306
8031071		HSSE5 Woodruff cutters. Fresa wooddruff HSSE5. Fresa woodruff HSS-E5.	A B KLM	7,5> 45,5	307

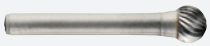
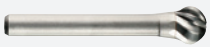
Countersinks bits and rotary burrs | Avellanadores & fresas lima | Svasatori & frese lima

Item	Packshot	Designation	Application	Rge	Page
1033151		HSS Countersinkers 60°. Avellanador HSS 60º. Fresa per svasatura HSS a 60°.	A B KLM	6,3>25	308
1033161		HSS-E5 Countersinkers 90°. Avellanador HSS-E5 90º. Fresa per svasatura HSS-E5 a 90° .	AB FGH KLM	4>12	309
1036631		HSSE5 TiAlN Countersinkers 90°. Avellanador HSSE5 TiALN 90º. Fresa per svasatura HSS-E5 a 90° .	AB FGH KLM	5>10	309
1036132		HSSE Deburring tools with hole 90°. Avellanador con agujero HSSE 90º. Fresa per sbavatura e foratura HSS-E a 90°.	AB FGH KLM	2>20	310
1031031		HSSE5 Counterbores 180°. Avellanador HSSE5 180º. Fresa per allargatura HSS-E5 a 180°.	A B KLM	4,2>20	310
1031041		HSSE5 Counterbores 90°. Avellanador HSSE5 90º. Fresa per allargatura HSS-E5 a 90°.	A B KLM	4,3> 20,4	311
1031601		Carbide rotary burrs. Cylindrical. Fresa lima cilíndrica. Lima rotativa in MD, cilindrica.	CDE FGH	4>20	314
1031611		Carbide rotary burrs. Cylindrical. Fresa lima cilíndrica. Lima rotativa in MD, cilindrica.	AB IJ NO	4>16	314

Countersinks bits and rotary burrs | Avellanadores & fresas lima | Svasatori & frese lima

Item	Packshot	Designation	Application	Rge	Page
1031621		Carbide rotary burrs. Cylindrical end cutting. Fresa lima MD cilíndrica. Corte al centro. Lima rotativa in MD, cilindrica, doppio tagliente.	CDE FGH	4>16	315
1031631		Carbide rotary burrs. Cylindrical end cutting. Fresa lima MD cilíndrica. Corte al centro. Lima rotativa in MD, cilindrica, doppio tagliente.	AB IJ NO	6>20	315
1036651		Carbide rotary burrs. Cylindrical end cutting. Fresa lima MD cilíndrica. Corte al centro. Lima rotativa in MD, cilindrica, doppio tagliente.	KLM	10>16	316
1031641		Carbide rotary burrs. Domed cylindrical. Fresa lima MD cilíndrica con radio. Lima rotativa in MD, cilindrica, con raggio.	CDE FGH	4>20	316
1031651		Carbide rotary burrs. Domed cylindrical. Fresa lima MD cilíndrica con radio. Lima rotativa in MD, cilindrica, con raggio.	AB IJ NO	6>20	317
1036681		Carbide rotary burrs. Domed cylindrical. Fresa lima MD cilíndrica con radio. Lima rotativa in MD, cilindrica, con raggio.	KLM	10>16	317
1031701		Carbide rotary burrs. Cone. Fresa lima MD cilíndrica punta cónica. Lima rotativa in MD, tronco di cono.	CDE FGH	6>20	318
1031711		Carbide rotary burrs. Cone. Fresa lima MD cilíndrica punta cónica. Lima rotativa in MD, tronco di cono.	AB IJ NO	4>16	318
1031721		Carbide rotary burrs. Cone. Fresa lima MD punta cónica. Lima rotativa in MD, conica.	CDE FGH	4>16	319
1031741		Carbide rotary burrs. Cone. Fresa lima MD punta cónica. Lima rotativa in MD, conica.	CDE FGH	4>16	319
1031761		Carbide rotary burrs. Rounded cone. Fresa lima MD punta cónica redondeada. Lima rotativa in MD, conica, con raggio.	CDE FGH	6>16	320
1031771		Carbide rotary burrs. Rounded cone. Fresa lima MD punta cónica redondeada. Lima rotativa in MD, conica, con raggio.	AB IJ NO	6>16	320
1036701		Carbide rotary burrs. Rounded cone. Fresa lima MD punta cónica redondeada. Lima rotativa in MD, conica, con raggio.	KLM	10>16	321
1031781		Carbide rotary burrs. Tree. Fresa lima MD punta ojiva. Lima rotativa in MD a ogiva.	CDE FGH	4>16	321
1031791		Carbide rotary burrs. Tree. Fresa lima MD punta ojiva. Lima rotativa in MD a ogiva.	AB IJ NO	6>16	232
1031801		Carbide rotary burrs. Oval. Fresa lima MD punta oval. Lima rotativa in MD, ovale, con raggio.	CDE FGH	6>16	322
1031811		Carbide rotary burrs. Oval. Fresa lima MD punta oval. Lima rotativa in MD, ovale, con raggio.	AB IJ NO	4>20	323
1036661		Carbide rotary burrs. Oval. Fresa lima MD punta oval. Lima rotativa in MD, ovale, con raggio.	KLM	12>16	323
1036671		Carbide rotary burrs. Ball nosed tree. Fresa lima MD punta ojiva redondeada. Lima rotativa in MD a ogiva, con raggio.	KLM	10>16	324
1031831		Carbide rotary burrs. Ball nosed tree. Fresa lima MD punta ojiva redondeada. Lima rotativa in MD a ogiva, con raggio.	AB IJ NO	6>20	324

Countersinks bits and rotary burrs | Avellanadores & fresas lima | Svasatori & frese lima

Item	Packshot	Designation	Application	Rge	Page
1031821		Carbide rotary burrs. Ball nosed tree. Fresa lima MD punta ojiva redondeada. Lima rotativa in MD a ogiva, con raggio.	CDE FGH	6>16	325
1031841		Carbide rotary burrs. Ball. Fresa lima MD punta esférica. Lima rotativa in MD, sferica.	CDE FGH	4>20	325
1031851		Carbide rotary burrs. Ball. Fresa lima MD punta esférica. Lima rotativa in MD, sferica.	AB IJ NO	4>20	326
1036691		Carbide rotary burrs. Ball. Fresa lima MD punta esférica. Lima rotativa in MD, sferica.	KLM	10>20	326
1032051		Carbide rotary burrs. Cylindrical. Fresa lima cilíndrica. Lima rotativa in MD, cilindrica.	CDE FGH	3	327
1032151		Carbide rotary burrs. Cylindrical. Fresa lima cilíndrica. Lima rotativa in MD, cilindrica.	AB IJ NO	3	327
1032061		Carbide rotary burrs. Domed cylindrical. Fresa lima MD cilíndrica con radio. Lima rotativa in MD, cilindrica, con raggio.	CDE FGH	3	328
1032161		Carbide rotary burrs. Domed cylindrical. Fresa lima MD cilíndrica con radio. Lima rotativa in MD, cilindrica, con raggio.	AB IJ NO	3	328
1032071		Carbide rotary burrs. Cone 90°. Fresa lima MD punta cónica 90°. Dentado fino. Lima rotativa in MD, conica, 90°.	CDE FGH	3	329
1032171		Carbide rotary burrs. Cone 90°. Fresa lima MD punta cónica 90°. Dentado fino. Lima rotativa in MD, conica, 90°.	AB IJ NO	3	329
1032081		Carbide rotary burrs. Tree. Fresa lima MD punta ojiva. Lima rotativa in MD a ogiva.	CDE FGH	3	330
1032181		Carbide rotary burrs. Tree. Fresa lima MD punta ojiva. Lima rotativa in MD a ogiva.	AB IJ NO	3	330
1032091		Carbide rotary burrs. Cone. Fine teeth. Fresa lima MD cilíndrica punta cónica. Lima rotativa in MD, tronco di cono.	CDE FGH	3	331
1032191		Carbide rotary burrs. Cone. Fine teeth. Fresa lima MD cilíndrica punta cónica. Lima rotativa in MD, tronco di cono.	AB IJ NO	3	331
1032101		Carbide rotary burrs. Cone 90°. Fresa lima MD punta cónica 90°. Dentado fino. Lima rotativa in MD, conica, 90°.	CDE FGH	3	332
1032111		Carbide rotary burrs. Oval. Fresa lima MD punta oval. Lima rotativa in MD, ovale, con raggio.	CDE FGH	3	332
1032211		Carbide rotary burrs. Oval. Fresa lima MD punta oval. Lima rotativa in MD, ovale, con raggio.	AB IJ NO	3	333
1032121		Carbide rotary burrs. Ball. Fresa lima MD punta esférica. Lima rotativa in MD, sferica.	CDE FGH	3	333
1032221		Carbide rotary burrs. Ball. Fresa lima MD punta esférica. Lima rotativa in MD, sferica.	AB IJ NO	3	334
1032131		Carbide rotary burrs. Ball nosed tree. Fresa lima MD punta ojiva redondeada. Lima rotativa in MD a ogiva, con raggio.	CDE FGH	3	334

Countersinks bits and rotary burrs | Avellanadores & fresas lima | Svasatori & frese lima

Item	Packshot	Designation	Application	Rge	Page
1032231		Carbide rotary burrs. Ball nosed tree. Fresa lima MD punta ojiva redondeada. Lima rotativa in MD a ogiva, con raggio.	AB IJ NO	3	335
1032141		Carbide rotary burrs. Rounded cone. Fresa lima MD punta cónica redondeada. Lima rotativa in MD, conica, con raggio.	CDE FGH	3	335
1032241		Carbide rotary burrs. Rounded cone. Fresa lima MD punta cónica redondeada. Lima rotativa in MD, conica, con raggio.	AB IJ NO	3	336

Reamers | Escariadores | Alesatori

Item	Packshot	Designation	Application	Rge	Page
1040011		HSS Paris hand reamers Paris. Escariador de mano HSS Tipo Paris. Alesatore a mano HSS tipo francese.	A B	2>50	341
1040021		HSS American hand reamers. Escariador de mano HSS Tipo Americano. Alesatore a mano HSS tipo americano.	A B	2>32	342
1040061		HSS Pin hand reamers. Escariador de Mano HSS. Alesatore a mano HSS per spine coniche 2%.	A B	1>25	343
1040091		HSS Adjustable hand reamers. Escariador de mano HSS regulable. Alesatore a mano HSS espansibile.	A B	8>45	343
1040071		HSS Jet hand reamers. Escariador de mano HSS, surtidor. Alesatore a mano HSS per ugello.	A B	0,3> 1,9	344
1040101		HSS Center adjustable hand reamers. Escariador de mano HSS extensible. Alesatore a mano HSS a piccola espansione.	A B	5>32	345
8040121		HSSE Machine reamers. Straight. Escariador de máquina HSSE5 recto. Alesatore a macchina HSS-E5 tagli diritti.	AB CD FGH	1>20	346
8040131		HSSE Machine reamers. Spiral flute 10°. Escariador de máquina HSSE5 helicoidal 10º/ Alesatore a macchina HSS-E5 elicoidale 10°.	AB CD FGH	1>20	347
8040231		HSSE5 High precision machine reamers 1/100. Escariador de máquina HSSE5 gran precisión 1/100. Alesatore centesimale a macchina HSS-E5.	AB CDE IJ	0,7> 20,05	348
8040151		HSS Bridge reamers. 5 flute. Morse taper shank. Escariador de máquina HSS. 5 cortes. Mango cónico. Alesatore a macchina HSS per lamiera, 5 tagli, cono morse.	A B	6>40	349
8040161		HSSE5 Machine reamers. Straight. Morse taper shank. Escariador de máquina HSS recto. Mango cónico. Alesatore a macchina HSS-E5, tagli diritti, cono morse.	AB CDE IJ	6>50	350
8040171		HSSE5 Machine reamers. Spiral flute. Morse taper shank. Escariador de máquina HSS helicoidal. Mango cónico. Alesatore a macchina HSS-E5, elicoidale, cono morse.	AB CDE FGH	6>50	351

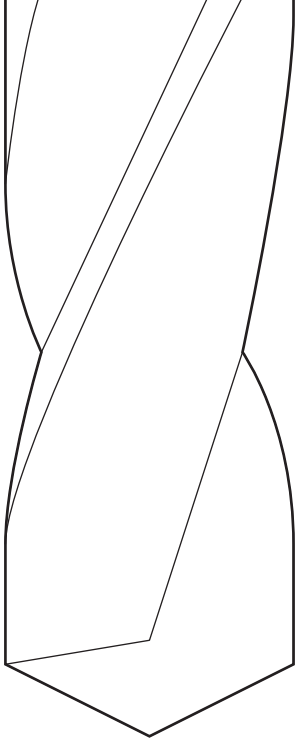
Drill doctor

Item	Packshot	Designation	Application	Page
111117		DRILL DOCTOR 360 DRILL DOCTOR 360 DRILL DOCTOR 360		376
111117		DRILL DOCTOR 500 DRILL DOCTOR 500 DRILL DOCTOR 500		376
111117		DRILL DOCTOR 750 DRILL DOCTOR 750 DRILL DOCTOR 750		376
111117		DRILL DOCTOR WHEEL MUELA PAR DRILL DOCTOR RUOTA PER DRILL DOCTOR		376
111117		DRILL DOCTOR WHEEL MUELA PAR DRILL DOCTOR RUOTA PER DRILL DOCTOR		377
111117		DRILL DOCTOR CHUCK PORTABROCAS PAR DRILL DOCTOR MANDRINO PER DRILL DOCTOR		377

GENE-
RAL
CATALOGUE

DRILLING
TALADRADO
FORATURA

#01/08



DRILLING
TALADRADO
FORATURA

CARBIDE BITS 48
BROCAS METAL DURO
PUNTE CARBURO

Solid Carbide. Metal duro. Metallo duro.
Carbide tipped. Con plaquitas intercambiables. A placchetta riportata.
Centering bits. Brocas de centrar/puntear. Punte a centrare/Bulinare.

HSS BITS 70
BROCAS HSS
PUNTE HSS

Round Shank. Cilíndrica. Cilindrico.
Morse bits. Cono morse. Cono Morse.
Accessories. Accesorios. Accessori.
Centering bits. Brocas de centrar/puntear. Punte a centrare/Bulinare.

CONICAL BITS 150
BROCAS CÓNICAS
PUNTE CONICHE

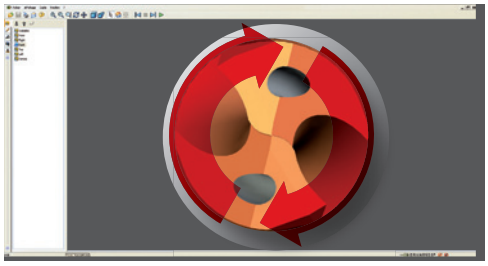
Straight. Lisas. Lucidare.
Stepped. Escalonadas. Pavimenti.

CHUCKS 153
PORTABROCAS
MANDRINI

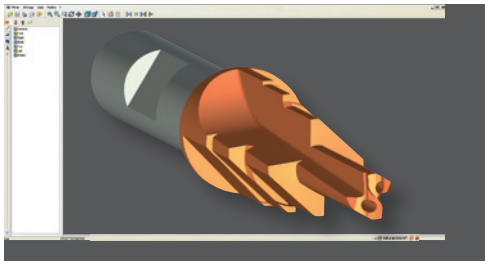
OUTILS SPÉCIAUX
SPECIAL TOOLS

SIRIUS+XL I 7xd I 12xd
Outils spéciaux sur demande
Ø 4 à 20 mm (1/10mm) I
Ref. 8245601
Special tools on demand
Ø 4 to 20 mm (1/10mm) I
Ref. 8245601

SIRIUS+XL ▶ Réaffûtage
Ref. 8252101 I Ref. 8253101 I
Ref. 8254601
SIRIUS+XL ▶ Regrinding
Ref. 8252101 I Ref. 8253101 I
Ref. 8254601



Forets Goujures droites
Ø 4 à 20 mm (1/10mm) I
Ref. 8248601
Straight flute drills
Ø 4 to 20 mm (1/10mm) I
Ref. 8248601



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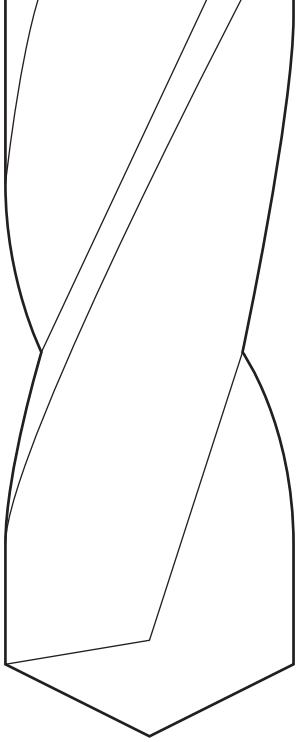


CARBIDE BITS 48
BROCAS METAL DURO
PUNTE CARBURO

Solid Carbide. Metal duro. Metallo duro. #01
Carbide tipped. Con plaquitas intercambiables. A placchetta riportata.
Centering bits. Brocas de centrar/puntear. Punte a centrare/Bulinare.

HSS BITS 70
BROCAS HSS
PUNTE HSS

Round Shank. Cilíndrica. Cilindrico. #01
Morse bits. Cono morse. Cono Morse.
Accessories. Accesorios. Accessori.
Centering bits. Brocas de centrar/puntear. Punte a centrare/Bulinare.

CONICAL BITS 150
BROCAS CÓNICAS
PUNTE CONICHE

Straight. Lisas. Lucidare. #01
Stepped. Escalonadas. Pavimenti.

CHUCKS 153
PORTABROCAS
MANDRINI

#01

SIRIUS I SOLID CARBIDE DRILL HELICA© I 3XD WITHOUT COOLANT FEED.

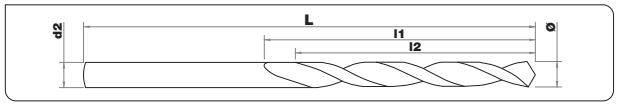
SIRIUS I BROCA METAL DURO HELICA© I 3XD SIN REFRIGERACIÓN INTERNA.

SIRIUS I PUNTA IN MD HELICA© I 3XD SENZA REFRIGERAZIONE.

#01

HM CARB | HELICA® COATED | DIN 6537K | 3xd

m7



Designed for difficult to machine alloys, high performance.

Diseñado para aleaciones dificiles de taladrar, alto rendimiento.

Concepita per le leghe di difficile lavorazione. Prestazioni elevate.

AB — Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD — Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

F — Ferrititic stainless steels
Aceros inoxidables ferríticos
acciai inossidabili ferritici

IJ — Cast iron
Fundiciones
Ghisa

ARCo ARNi Ti — Ni / Co based special alloys & Titanium
Aleaciones refractarias Co / Ni y Titanio
Leghe refrattarie Co / Ni i titanio

8242101	EAN	ø	d2	L	l1	QTY	PCB
82421010300	3221910868499	3,00	6,00	62	20	1	1
82421010310	3221910868505	3,10	6,00	62	20	1	1
82421010320	3221910868512	3,20	6,00	62	20	1	1
82421010330	3221910868529	3,30	6,00	62	20	1	1
82421010340	3221910868536	3,40	6,00	62	20	1	1
82421010350	3221910868543	3,50	6,00	62	20	1	1
82421010360	3221910868550	3,60	6,00	62	20	1	1
82421010370	3221910868567	3,70	6,00	62	20	1	1
82421010380	3221910868574	3,80	6,00	66	24	1	1
82421010390	3221910868581	3,90	6,00	66	24	1	1
82421010400	3221910868598	4,00	6,00	66	24	1	1
82421010410	3221910868604	4,10	6,00	66	24	1	1
82421010420	3221910868611	4,20	6,00	66	24	1	1
82421010430	3221910868628	4,30	6,00	66	24	1	1
82421010440	3221910868635	4,40	6,00	66	24	1	1
82421010450	3221910868642	4,50	6,00	66	24	1	1
82421010460	3221910868659	4,60	6,00	66	24	1	1
82421010465	3221910868666	4,65	6,00	66	24	1	1
82421010470	3221910868673	4,70	6,00	66	24	1	1
82421010480	3221910868680	4,80	6,00	66	28	1	1
82421010490	3221910868697	4,90	6,00	66	28	1	1
82421010500	3221910868703	5,00	6,00	66	28	1	1
82421010510	3221910868710	5,10	6,00	66	28	1	1
82421010520	3221910868727	5,20	6,00	66	28	1	1
82421010530	3221910868734	5,30	6,00	66	28	1	1
82421010540	3221910868741	5,40	6,00	66	28	1	1
82421010550	3221910868758	5,50	6,00	66	28	1	1
82421010555	3221910868765	5,55	6,00	66	28	1	1
82421010560	3221910868772	5,60	6,00	66	28	1	1
82421010570	3221910868789	5,70	6,00	66	28	1	1
82421010580	3221910868796	5,80	6,00	66	28	1	1
82421010590	3221910868802	5,90	6,00	66	28	1	1
82421010600	3221910868819	6,00	6,00	66	28	1	1
82421010610	3221910868826	6,10	8,00	79	34	1	1
82421010620	3221910868833	6,20	8,00	79	34	1	1
82421010630	3221910868840	6,30	8,00	79	34	1	1
82421010640	3221910868857	6,40	8,00	79	34	1	1
82421010650	3221910868864	6,50	8,00	79	34	1	1
82421010660	3221910868871	6,60	8,00	79	34	1	1
82421010670	3221910868888	6,70	8,00	79	34	1	1
82421010675	3221910868895	6,75	8,00	79	34	1	1
82421010680	3221910868901	6,80	8,00	79	34	1	1
82421010690	3221910868918	6,90	8,00	79	34	1	1
82421010700	3221910868925	7,00	8,00	79	34	1	1
82421010710	3221910868932	7,10	8,00	79	41	1	1
82421010720	3221910868949	7,20	8,00	79	41	1	1
82421010730	3221910868956	7,30	8,00	79	41	1	1
82421010740	3221910868963	7,40	8,00	79	41	1	1
82421010750	3221910868970	7,50	8,00	79	41	1	1
82421010755	3221910868987	7,55	8,00	79	41	1	1
82421010760	3221910868994	7,60	8,00	79	41	1	1

#01

82421010770	3221910869007	7,70	8,00	79	41	1	1
82421010780	3221910869014	7,80	8,00	79	41	1	1
82421010790	3221910869021	7,90	8,00	79	41	1	1
82421010800	3221910869038	8,00	8,00	79	41	1	1
82421010810	3221910869045	8,10	10,00	89	47	1	1
82421010820	3221910869052	8,20	10,00	89	47	1	1
82421010830	3221910869069	8,30	10,00	89	47	1	1
82421010840	3221910869076	8,40	10,00	89	47	1	1
82421010850	3221910869083	8,50	10,00	89	47	1	1
82421010860	3221910869090	8,60	10,00	89	47	1	1
82421010870	3221910869106	8,70	10,00	89	47	1	1
82421010880	3221910869113	8,80	10,00	89	47	1	1
82421010890	3221910869120	8,90	10,00	89	47	1	1
82421010900	3221910869137	9,00	10,00	89	47	1	1
82421010910	3221910869144	9,10	10,00	89	47	1	1
82421010920	3221910869151	9,20	10,00	89	47	1	1
82421010930	3221910869168	9,30	10,00	89	47	1	1
82421010940	3221910869175	9,40	10,00	89	47	1	1
82421010950	3221910869182	9,50	10,00	89	47	1	1
82421010955	3221910869199	9,55	10,00	89	47	1	1
82421010960	3221910869205	9,60	10,00	89	47	1	1
82421010970	3221910869212	9,70	10,00	89	47	1	1
82421010980	3221910869229	9,80	10,00	89	47	1	1
82421010990	3221910869236	9,90	10,00	89	47	1	1
82421011000	3221910869243	10,00	10,00	89	47	1	1
82421011010	3221910869250	10,10	12,00	102	55	1	1
82421011020	3221910869267	10,20	12,00	102	55	1	1
82421011025	3221910869274	10,25	12,00	102	55	1	1
82421011030	3221910869281	10,30	12,00	102	55	1	1
82421011040	3221910869298	10,40	12,00	102	55	1	1
82421011050	3221910869304	10,50	12,00	102	55	1	1
82421011060	3221910869311	10,60	12,00	102	55	1	1
82421011070	3221910869328	10,70	12,00	102	55	1	1
82421011080	3221910869335	10,80	12,00	102	55	1	1
82421011090	3221910869342	10,90	12,00	102	55	1	1
82421011100	3221910869359	11,00	12,00	102	55	1	1
82421011110	3221910869366	11,10	12,00	102	55	1	1
82421011120	3221910869373	11,20	12,00	102	55	1	1
82421011130	3221910869380	11,30	12,00	102	55	1	1
82421011140	3221910869397	11,40	12,00	102	55	1	1
82421011150	3221910869403	11,50	12,00	102	55	1	1
82421011160	3221910869410	11,60	12,00	102	55	1	1
82421011170	3221910869427	11,70	12,00	102	55	1	1
82421011180	3221910869434	11,80	12,00	102	55	1	1
82421011190	3221910869441	11,90	12,00	102	55	1	1
82421011200	3221910869458	12,00	12,00	102	55	1	1
82421011210	3221910869465	12,10	14,00	107	60	1	1
82421011220	3221910869472	12,20	14,00	107	60	1	1
82421011230	3221910869489	12,30	14,00	107	60	1	1
82421011240	3221910869496	12,40	14,00	107	60	1	1
82421011250	3221910869502	12,50	14,00	107	60	1	1
82421011260	3221910869519	12,60	14,00	107	60	1	1
82421011270	3221910869526	12,70	14,00	107	60	1	1
82421011280	3221910869533	12,80	14,00	107	60	1	1
82421011290	3221910869540	12,90	14,00	107	60	1	1
82421011300	3221910869557	13,00	14,00	107	60	1	1
82421011310	3221910869564	13,10	14,00	107	60	1	1
82421011320	3221910869571	13,20	14,00	107	60	1	1
82421011330	3221910869588	13,30	14,00	107	60	1	1
82421011340	3221910869595	13,40	14,00	107	60	1	1
82421011350	3221910869601	13,50	14,00	107	60	1	1
82421011360	3221910869618	13,60	14,00	107	60	1	1
82421011370	3221910869625	13,70	14,00	107	60	1	1
82421011380	3221910869632	13,80	14,00	107	60	1	1
82421011390	3221910869649	13,90	14,00	107	60	1	1
82421011400	3221910869656	14,00	14,00	107	60	1	1
82421011410	3221910869663	14,10	16,00	115	65	1	1
82421011420	3221910869670	14,20	16,00	115	65	1	1
82421011430	3221910869687	14,30	16,00	115	65	1	1
82421011440	3221910869694	14,40	16,00	115	65	1	1
82421011450	3221910869700	14,50	16,00	115	65	1	1
82421011460	3221910869717	14,60	16,00	115	65	1	1
82421011470	3221910869724	14,70	16,00	115	65	1	1
82421011480	3221910869731	14,80	16,00	115	65	1	1
82421011490	3221910869748	14,90	16,00	115	65	1	1
82421011500	3221910869755	15,00	16,00	115	65	1	1
82421011510	3221910869762	15,10	16,00	115	65	1	1
82421011520	3221910869779	15,20	16,00	115	65	1	1
82421011525	3221910869786	15,25	16,00	115	65	1	1
82421011530	3221910869793	15,30	16,00	115	65	1	1
82421011540	3221910869809	14,40	16,00	115	65	1	1

8242101	EAN	Ø	d2	L	l1	QTY	PCB
82421011550	3221910869816	15,50	16,00	115	65	1	1
82421011560	3221910869823	15,60	16,00	115	65	1	1
82421011570	3221910869830	15,70	16,00	115	65	1	1
82421011580	3221910869847	15,80	16,00	115	65	1	1
82421011590	3221910869854	15,90	16,00	115	65	1	1
82421011600	3221910869861	16,00	16,00	115	65	1	1

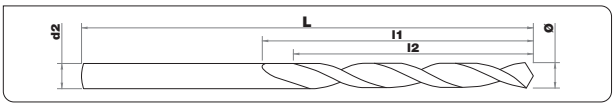
SIRIUS I SOLID CARBIDE DRILL HELICA© I 3XD WITH COOLANT FEED.

SIRIUS I BROCA METAL DURO HELICA© I 3XD CON REFRIGERACIÓN INTERNA.

SIRIUS I PUNTA IN MD HELICA© I 3XD CON REFRIGERAZIONE.

HM CARB | HELICA® COATED | DIN 6537K | 3xd

13 | 145° | 30° | m7



Designed for difficult to machine alloys, high Performance.

Diseñado para aleaciones dificiles de taladrar, alto rendimiento.

Concepita per le leghe di difficile lavorazione. Prestazioni elevate.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steels
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

ARCo ARNi Ti Ni / Co based special alloys & Titanium
Aleaciones refractarias Co / Ni y Titanio
Leghe refrattarie Co / Ni i titanio

8243101	EAN	Ø	d2	L	l1	QTY	PCB
82431010300	3221910869878	3,00	6,00	62	20	1	1
82431010310	3221910869885	3,10	6,00	62	20	1	1
82431010320	3221910869892	3,20	6,00	62	20	1	1
82431010330	3221910869908	3,30	6,00	62	20	1	1
82431010340	3221910869915	3,40	6,00	62	20	1	1
82431010350	3221910869922	3,50	6,00	62	20	1	1
82431010360	3221910869939	3,60	6,00	62	20	1	1
82431010370	3221910869946	3,70	6,00	62	20	1	1
82431010380	3221910869953	3,80	6,00	66	24	1	1
82431010390	3221910869960	3,90	6,00	66	24	1	1
82431010400	3221910869977	4,00	6,00	66	24	1	1
82431010410	3221910869984	4,10	6,00	66	24	1	1
82431010420	3221910869991	4,20	6,00	66	24	1	1
82431010430	3221910870003	4,30	6,00	66	24	1	1
82431010440	3221910870010	4,40	6,00	66	24	1	1
82431010450	3221910870027	4,50	6,00	66	24	1	1
82431010460	3221910870034	4,60	6,00	66	24	1	1
82431010465	3221910870041	4,65	6,00	66	24	1	1
82431010470	3221910870058	4,70	6,00	66	24	1	1
82431010480	3221910870065	4,80	6,00	66	28	1	1
82431010490	3221910870072	4,90	6,00	66	28	1	1
82431010500	3221910870089	5,00	6,00	66	28	1	1
82431010510	3221910870096	5,10	6,00	66	28	1	1
82431010520	3221910870102	5,20	6,00	66	28	1	1
82431010530	3221910870119	5,30	6,00	66	28	1	1
82431010540	3221910870126	5,40	6,00	66	28	1	1
82431010550	3221910870133	5,50	6,00	66	28	1	1
82431010555	3221910870140	5,55	6,00	66	28	1	1
82431010560	3221910870157	5,60	6,00	66	28	1	1
82431010570	3221910870164	5,70	6,00	66	28	1	1
82431010580	3221910870171	5,80	6,00	66	28	1	1
82431010590	3221910870188	5,90	6,00	66	28	1	1
82431010600	3221910870195	6,00	6,00	66	28	1	1
82431010610	3221910870201	6,10	8,00	79	34	1	1
82431010620	3221910870218	6,20	8,00	79	34	1	1
82431010630	3221910870225	6,30	8,00	79	34	1	1
82431010640	3221910870232	6,40	8,00	79	34	1	1
82431010650	3221910870249	6,50	8,00	79	34	1	1
82431010660	3221910870256	6,60	8,00	79	34	1	1
82431010670	3221910870263	6,70	8,00	79	34	1	1
82431010675	3221910870270	6,75	8,00	79	34	1	1
82431010680	3221910870287	6,80	8,00	79	34	1	1
82431010690	3221910870294	6,90	8,00	79	34	1	1

#01

8243101	EAN	Ø	d2	L	l1	QTY	PCB
82431010700	3221910870300	7,00	8,00	79	34	1	1
82431010710	3221910870317	7,10	8,00	79	41	1	1
82431010720	3221910870324	7,20	8,00	79	41	1	1
82431010730	3221910870331	7,30	8,00	79	41	1	1
82431010740	3221910870348	7,40	8,00	79	41	1	1
82431010750	3221910870355	7,50	8,00	79	41	1	1
82431010755	3221910870362	7,55	8,00	79	41	1	1
82431010760	3221910870379	7,60	8,00	79	41	1	1
82431010770	3221910870386	7,70	8,00	79	41	1	1
82431010780	3221910870393	7,80	8,00	79	41	1	1
82431010790	3221910870409	7,90	8,00	79	41	1	1
82431010800	3221910870416	8,00	8,00	79	41	1	1
82431010810	3221910870423	8,10	10,00	89	47	1	1
82431010820	3221910870430	8,20	10,00	89	47	1	1
82431010830	3221910870447	8,30	10,00	89	47	1	1
82431010840	3221910870454	8,40	10,00	89	47	1	1
82431010850	3221910870461	8,50	10,00	89	47	1	1
82431010860	3221910870478	8,60	10,00	89	47	1	1
82431010870	3221910870485	8,70	10,00	89	47	1	1
82431010880	3221910870492	8,80	10,00	89	47	1	1
82431010890	3221910870508	8,90	10,00	89	47	1	1
82431010900	3221910870515	9,00	10,00	89	47	1	1
82431010910	3221910870522	9,10	10,00	89	47	1	1
82431010920	3221910870539	9,20	10,00	89	47	1	1
82431010930	3221910870546	9,30	10,00	89	47	1	1
82431010940	3221910870553	9,40	10,00	89	47	1	1
82431010950	3221910870560	9,50	10,00	89	47	1	1
82431010955	3221910870577	9,55	10,00	89	47	1	1
82431010960	3221910870584	9,60	10,00	89	47	1	1
82431010970	3221910870591	9,70	10,00	89	47	1	1
82431010980	3221910870607	9,80	10,00	89	47	1	1
82431010990	3221910870614	9,90	10,00	89	47	1	1
82431011000	3221910870621	10,00	12,00	102	55	1	1
82431011010	3221910870638	10,10	12,00	102	55	1	1
82431011020	3221910870645	10,20	12,00	102	55	1	1
82431011025	3221910870652	10,25	12,00	102	55	1	1
82431011030	3221910870669	10,30	12,00	102	55	1	1
82431011040	3221910870676	10,40	12,00	102	55	1	1
82431011050	3221910870683	10,50	12,00	102	55	1	1
82431011060	3221910870690	10,60	12,00	102	55	1	1
82431011070	3221910870706	10,70	12,00	102	55	1	1
82431011080	3221910870713	10,80	12,00	102	55	1	1
82431011090	3221910870720	10,90	12,00	102	55	1	1
82431011100	3221910870737	11,00	12,00	102	55	1	1
82431011110	3221910870744	11,10	12,00	102	55	1	1
82431011120	3221910870751	11,20	12,00	102	55	1	1
82431011130	3221910870768	11,30	12,00	102	55	1	1
82431011140	3221910870775	11,40	12,00	102	55	1	1
82431011150	3221910870782	11,50	12,00	102	55	1	1
82431011160	3221910870799	11,60	12,00	102	55	1	1
82431011170	3221910870805	11,70	12,00	102	55	1	1
82431011180	3221910870812	11,80	12,00	102	55	1	1
82431011190	3221910870829	11,90	12,00	102	55	1	1
82431011200	3221910870836	12,00	12,00	102	55	1	1
82431011210	3221910870843	12,10	14,00	107	60	1	1
82431011220	3221910870850	12,20	14,00	107	60	1	1
82431011230	3221910870867	12,30	14,00	107	60	1	1
82431011240	3221910870874	12,40	14,00	107	60	1	1
82431011250	3221910870881	12,50	14,00	107	60	1	1
82431011260	3221910870898	12,60	14,00	107	60	1	1
82431011270	3221910870904	12,70	14,00	107	60	1	1
82431011280	3221910870911	12,80	14,00	107	60	1	1
82431011290	3221910870928	12,90	14,00	107	60	1	1
82431011300	3221910870935	13,00	14,00	107	60	1	1
82431011310	3221910870942	13,10	14,00	107	60	1	1
82431011320	3221910870959	13,20	14,00	107	60	1	1
82431011330	3221910870966	13,30	14,00	107	60	1	1
82431011340	3221910870973	13,40	14,00	107	60	1	1
82431011350	3221910870980	13,50	14,00	107	60	1	1
82431011360	3221910870997	13,60	14,00	107	60	1	1
82431011370	3221910871000	13,70	14,00	107	60	1	1
82431011380	3221910871017	13,80	14,00	107	60	1	1
82431011390	3221910871024	13,90	14,00	107	60	1	1
82431011400	3221910871031	14,00	14,00	107	60	1	1
82431011410	3221910871048	14,10	16,00	115	65	1	1
82431011420	3221910871055	14,20	16,00	115	65	1	1
82431011430	3221910871062	14,30	16,00	115	65	1	1
82431011440	3221910871079	14,40	16,00	115	65	1	1
82431011450	3221910871086	14,50	16,00	115	65	1	1
82431011460	3221910871093	14,60	16,00	115	65	1	1
82431011470	3221910871109	14,70	16,00	115	65	1	1

8243101	EAN	Ø	d2	L	l1	QTY	PCB
82431011480	3221910871116	14,80	16,00	115	65	1	1
82431011490	3221910871123	14,90	16,00	115	65	1	1
82431011500	3221910871130	15,00	16,00	115	65	1	1
82431011510	3221910871147	15,10	16,00	115	65	1	1
82431011520	3221910871154	15,20	16,00	115	65	1	1
82431011525	3221910871161	15,25	16,00	115	65	1	1
82431011530	3221910871178	15,30	16,00	115	65	1	1
82431011540	3221910871185	15,40	16,00	115	65	1	1
82431011550	3221910871192	15,50	16,00	115	65	1	1
82431011560	3221910871208	15,60	16,00	115	65	1	1
82431011570	3221910871215	15,70	16,00	115	65	1	1
82431011580	3221910871222	15,80	16,00	115	65	1	1
82431011590	3221910871239	15,90	16,00	115	65	1	1
82431011600	3221910871246	16,00	16,00	115	65	1	1

SIRIUS | SOLID CARBIDE DRILL HELICA© | 5XD WITH COOLANT FEED.

SIRIUS | BROCA METAL DURO HELICA© | 5XD CON REFRIGERACIÓN INTERNA.

SIRIUS | PUNTA IN MD HELICA | 5XD CON REFRIGERAZIONE.

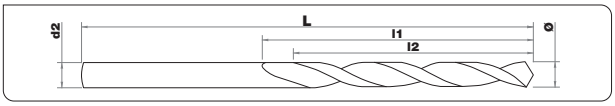
HM CARB

HELICA® COATED

DIN 6537L

5xd

m7



Designed for difficult to machine alloys. high performance.

Diseñado para aleaciones dificiles de taladrar, alto rendimiento.

Concepita per le leghe di difficile lavorazione. Prestazioni elevate.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steels
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

ARCo ARNi Ti Ni / Co based special alloys & Titanium
Aleaciones refractarias Co / Ni y Titanio
Leghe refrattarie Co / Ni i titanio

8244601	EAN	Ø	d2	L	l1	QTY	PCB
82446010300	3221910871253	3,00	6,00	66	28	1	1
82446010310	3221910871260	3,10	6,00	66	28	1	1
82446010320	3221910871277	3,20	6,00	66	28	1	1
82446010330	3221910871284	3,30	6,00	66	28	1	1
82446010340	3221910871291	3,40	6,00	66	28	1	1
82446010350	3221910871307	3,50	6,00	66	28	1	1
82446010360	3221910871314	3,60	6,00	66	28	1	1
82446010370	3221910871321	3,70	6,00	66	28	1	1
82446010380	3221910871338	3,80	6,00	74	36	1	1
82446010390	3221910871345	3,90	6,00	74	36	1	1
82446010400	3221910871352	4,00	6,00	74	36	1	1
82446010410	3221910871369	4,10	6,00	74	36	1	1
82446010420	3221910871376	4,20	6,00	74	36	1	1
82446010430	3221910871383	4,30	6,00	74	36	1	1
82446010440	3221910871390	4,40	6,00	74	36	1	1
82446010450	3221910871406	4,50	6,00	74	36	1	1
82446010460	3221910871413	4,60	6,00	74	36	1	1
82446010465	3221910871420	4,65	6,00	74	36	1	1
82446010470	3221910871437	4,70	6,00	74	36	1	1
82446010480	3221910871444	4,80	6,00	82	44	1	1
82446010490	3221910871451	4,90	6,00	82	44	1	1
82446010500	3221910871468	5,00	6,00	82	44	1	1
82446010510	3221910871475	5,10	6,00	82	44	1	1
82446010520	3221910871482	5,20	6,00	82	44	1	1
82446010530	3221910871499	5,30	6,00	82	44	1	1
82446010540	3221910871505	5,40	6,00	82	44	1	1
82446010550	3221910871512	5,50	6,00	82	44	1	1
82446010555	3221910871529	5,55	6,00	82	44	1	1
82446010560	3221910871536	5,60	6,00	82	44	1	1
82446010570	3221910871543	5,70	6,00	82	44	1	1
82446010580	3221910871550	5,80	6,00	82	44	1	1
82446010590	3221910871567	5,90	6,00	82	44	1	1
82446010600	3221910871574	6,00	6,00	82	44	1	1
82446010610	3221910871581	6,10	8,00	91	53	1	1
82446010620	3221910871598	6,20	8,00	91	53	1	1

#01

8244601	EAN	Ø	d2	L	l1	QTY	PCB
82446010630	3221910871604	6,30	8,00	91	53	1	1
82446010640	3221910871611	6,40	8,00	91	53	1	1
82446010650	3221910871628	6,50	8,00	91	53	1	1
82446010660	3221910871635	6,60	8,00	91	53	1	1
82446010670	3221910871642	6,70	8,00	91	53	1	1
82446010675	3221910871659	6,75	8,00	91	53	1	1
82446010680	3221910871666	6,80	8,00	91	53	1	1
82446010690	3221910871673	6,90	8,00	91	53	1	1
82446010700	3221910871680	7,00	8,00	91	53	1	1
82446010710	3221910871697	7,10	8,00	91	53	1	1
82446010720	3221910871703	7,20	8,00	91	53	1	1
82446010730	3221910871710	7,30	8,00	91	53	1	1
82446010740	3221910871727	7,40	8,00	91	53	1	1
82446010750	3221910871734	7,50	8,00	91	53	1	1
82446010755	3221910871741	7,55	8,00	91	53	1	1
82446010760	3221910871758	7,60	8,00	91	53	1	1
82446010770	3221910871765	7,70	8,00	91	53	1	1
82446010780	3221910871772	7,80	8,00	91	53	1	1
82446010790	3221910871789	7,90	8,00	91	53	1	1
82446010800	3221910871796	8,00	8,00	91	53	1	1
82446010810	3221910871802	8,10	10,00	103	61	1	1
82446010820	3221910871819	8,20	10,00	103	61	1	1
82446010830	3221910871826	8,30	10,00	103	61	1	1
82446010840	3221910871833	8,40	10,00	103	61	1	1
82446010850	3221910871840	8,50	10,00	103	61	1	1
82446010860	3221910871857	8,60	10,00	103	61	1	1
82446010870	3221910871864	8,70	10,00	103	61	1	1
82446010880	3221910871871	8,80	10,00	103	61	1	1
82446010890	3221910871888	8,90	10,00	103	61	1	1
82446010900	3221910871895	9,00	10,00	103	61	1	1
82446010910	3221910871901	9,10	10,00	103	61	1	1
82446010920	3221910871918	9,20	10,00	103	61	1	1
82446010930	3221910871925	9,30	10,00	103	61	1	1
82446010940	3221910871932	9,40	10,00	103	61	1	1
82446010950	3221910871949	9,50	10,00	103	61	1	1
82446010955	3221910871956	9,55	10,00	103	61	1	1
82446010960	3221910871963	9,60	10,00	103	61	1	1
82446010970	3221910871970	9,70	10,00	103	61	1	1
82446010980	3221910871987	9,80	10,00	103	61	1	1
82446010990	3221910871994	9,90	10,00	103	61	1	1
82446011000	3221910872007	10,00	10,00	103	61	1	1
82446011010	3221910872014	10,10	12,00	118	71	1	1
82446011020	3221910872021	10,20	12,00	118	71	1	1
82446011025	3221910872038	10,25	12,00	118	71	1	1
82446011030	3221910872045	10,30	12,00	118	71	1	1
82446011040	3221910872052	10,40	12,00	118	71	1	1
82446011050	3221910872069	10,50	12,00	118	71	1	1
82446011060	3221910872076	10,60	12,00	118	71	1	1
82446011070	3221910872083	10,70	12,00	118	71	1	1
82446011080	3221910872090	10,80	12,00	118	71	1	1
82446011090	3221910872106	10,90	12,00	118	71	1	1
82446011100	3221910872113	11,00	12,00	118	71	1	1
82446011110	3221910872120	11,10	12,00	118	71	1	1
82446011120	3221910872137	11,20	12,00	118	71	1	1
82446011130	3221910872144	11,30	12,00	118	71	1	1
82446011140	3221910872151	11,40	12,00	118	71	1	1
82446011150	3221910872168	11,50	12,00	118	71	1	1
82446011160	3221910872175	11,60	12,00	118	71	1	1
82446011170	3221910872182	11,70	12,00	118	71	1	1
82446011180	3221910872199	11,80	12,00	118	71	1	1
82446011190	3221910872205	11,90	12,00	118	71	1	1
82446011200	3221910872212	12,00	12,00	118	71	1	1
82446011210	3221910872229	12,10	14,00	124	77	1	1
82446011220	3221910872236	12,20	14,00	124	77	1	1
82446011230	3221910872243	12,30	14,00	124	77	1	1
82446011240	3221910872250	12,40	14,00	124	77	1	1
82446011250	3221910872267	12,50	14,00	124	77	1	1
82446011260	3221910872274	12,60	14,00	124	77	1	1
82446011270	3221910872281	12,70	14,00	124	77	1	1
82446011280	3221910872298	12,80	14,00	124	77	1	1
82446011290	3221910872304	12,90	14,00	124	77	1	1
82446011300	3221910872311	13,00	14,00	124	77	1	1
82446011310	3221910872328	13,10	14,00	124	77	1	1
82446011320	3221910872335	13,20	14,00	124	77	1	1
82446011330	3221910872342	13,30	14,00	124	77	1	1
82446011340	3221910872359	13,40	14,00	124	77	1	1
82446011350	3221910872366	13,50	14,00	124	77	1	1
82446011360	3221910872373	13,60	14,00	124	77	1	1
82446011370	3221910872380	13,70	14,00	124	77	1	1
82446011380	3221910872397	13,80	14,00	124	77	1	1
82446011390	3221910872403	13,90	14,00	124	77	1	1

#01

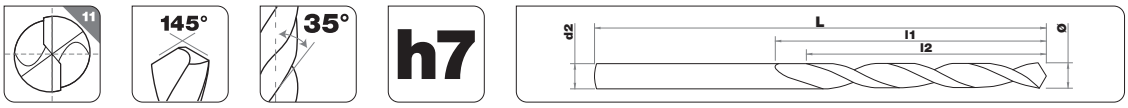
8244601	EAN	Ø	d2	L	l1	QTY	PCB
82446011400	3221910872410	14,00	14,00	124	77	1	1
82446011410	3221910872427	14,10	16,00	133	83	1	1
82446011420	3221910872434	14,20	16,00	133	83	1	1
82446011430	3221910872441	14,30	16,00	133	83	1	1
82446011440	3221910872458	14,40	16,00	133	83	1	1
82446011450	3221910872465	14,50	16,00	133	83	1	1
82446011460	3221910872472	14,60	16,00	133	83	1	1
82446011470	3221910872489	14,70	16,00	133	83	1	1
82446011480	3221910872496	14,80	16,00	133	83	1	1
82446011490	3221910872502	14,90	16,00	133	83	1	1
82446011500	3221910872519	15,00	16,00	133	83	1	1
82446011510	3221910872526	15,10	16,00	133	83	1	1
82446011520	3221910872533	15,20	16,00	133	83	1	1
82446011525	3221910872540	15,25	16,00	133	83	1	1
82446011530	3221910872557	15,30	16,00	133	83	1	1
82446011540	3221910872564	15,40	16,00	133	83	1	1
82446011550	3221910872571	15,50	16,00	133	83	1	1
82446011560	3221910872588	15,60	16,00	133	83	1	1
82446011570	3221910872595	15,70	16,00	133	83	1	1
82446011580	3221910872601	15,80	16,00	133	83	1	1
82446011590	3221910872618	15,90	16,00	133	83	1	1
82446011600	3221910872625	16,00	16,00	133	83	1	1

POLARIS | SOLID CARBIDE DRILL TIALN | 3XD WITHOUT COOLANT FEED.

POLARIS | BROCA METAL DURO TIALN | 3XD SIN REFRIGERACIÓN INTERNA.

POLARIS | PUNTA IN MD TIAIN | 3XD SENZA REFRIGERAZIONE.

HM CARB | TiAlN COATED | DIN 6537K | 3xd



Designed for universal application.

Diseñado para uso universal.

Concepita per forature polivalenti.

AB
Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD
Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

IJ
Cast iron
Fundiciones
Ghisa

8241501	EAN	Ø	d2	L	l1	QTY	PCB
82415010300	3221910831882	3,00	6,00	62	20	1	1
82415010330	3221910831899	3,30	6,00	62	20	1	1
82415010350	3221910831905	3,50	6,00	62	20	1	1
82415010400	3221910831912	4,00	6,00	66	24	1	1
82415010420	3221910831929	4,20	6,00	66	24	1	1
82415010450	3221910831936	4,50	6,00	66	24	1	1
82415010500	3221910831943	5,00	6,00	66	28	1	1
82415010550	3221910831950	5,50	6,00	66	28	1	1
82415010600	3221910831967	6,00	6,00	66	28	1	1
82415010650	3221910831974	6,50	8,00	79	34	1	1
82415010675	3221910831981	6,75	8,00	79	34	1	1
82415010680	3221910831998	6,80	8,00	79	34	1	1
82415010700	3221910832001	7,00	8,00	79	34	1	1
82415010750	3221910832018	7,50	8,00	79	41	1	1
82415010800	3221910832025	8,00	8,00	79	41	1	1
82415010850	3221910832032	8,50	8,00	79	41	1	1
82415010900	3221910832049	9,00	10,00	89	47	1	1
82415010950	3221910832056	9,50	10,00	89	47	1	1
82415011000	3221910832063	10,00	10,00	89	47	1	1
82415011020	3221910832070	10,20	12,00	102	55	1	1
82415011050	3221910832087	10,50	12,00	102	55	1	1
82415011100	3221910832094	11,00	12,00	102	55	1	1
82415011150	3221910832100	11,50	12,00	102	55	1	1
82415011200	3221910832117	12,00	12,00	102	55	1	1
82415011250	3221910832124	12,50	14,00	107	60	1	1
82415011300	3221910832131	13,00	14,00	107	60	1	1
82415011350	3221910832148	13,50	14,00	107	60	1	1
82415011400	3221910832155	14,00	14,00	107	60	1	1
82415011450	3221910832162	14,50	16,00	115	65	1	1
82415011500	3221910832179	15,00	16,00	115	65	1	1
82415011550	3221910832186	15,50	16,00	115	65	1	1
82415011600	3221910832193	16,00	16,00	115	65	1	1

POLARIS | SOLID CARBIDE DRILL TIALN | 5XD WITH COOLANT FEED.

POLARIS | BROCA METAL DURO TIALN | 5XD CON REFRIGERACIÓN INTERNA.

POLARIS | PUNTA IN MD TIAIN | 5XD CON REFRIGERAZIONE.

#01

HM CARB | TiAlN COATED | DIN 6537K | 5xd

Designed for universal application.

Diseñado para uso universal.

Concepita per forature polivalenti.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steels
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

8241701	EAN	ø	d2	L	l1	QTY	PCB
82417010400	3221910832575	4,00	6,00	74	36	1	1
82417010420	3221910832582	4,20	6,00	74	36	1	1
82417010450	3221910832599	4,50	6,00	74	36	1	1
82417010500	3221910832605	5,00	6,00	82	44	1	1
82417010550	3221910832612	5,50	6,00	82	44	1	1
82417010600	3221910832629	6,00	6,00	82	44	1	1
82417010650	3221910832636	6,50	8,00	91	53	1	1
82417010675	3221910832643	6,75	8,00	91	53	1	1
82417010680	3221910832650	6,80	8,00	91	53	1	1
82417010700	3221910832667	7,00	8,00	91	53	1	1
82417010750	3221910832674	7,50	8,00	91	53	1	1
82417010800	3221910832681	8,00	8,00	91	53	1	1
82417010850	3221910832698	8,50	10,00	103	61	1	1
82417010900	3221910832704	9,00	10,00	103	61	1	1
82417010950	3221910832711	9,50	10,00	103	61	1	1
82417011000	3221910832728	10,00	10,00	103	61	1	1
82417011020	3221910832735	10,20	12,00	118	71	1	1
82417011050	3221910832742	10,50	12,00	118	71	1	1
82417011100	3221910832759	11,00	12,00	118	71	1	1
82417011150	3221910832766	11,50	12,00	118	71	1	1
82417011200	3221910832773	12,00	12,00	118	71	1	1
82417011250	3221910832780	12,50	14,00	124	77	1	1
82417011300	3221910832797	13,00	14,00	124	77	1	1
82417011350	3221910832803	13,50	14,00	124	77	1	1
82417011400	3221910832810	14,00	14,00	124	77	1	1
82417011450	3221910832827	14,50	16,00	133	83	1	1
82417011500	3221910832834	15,00	16,00	133	83	1	1
82417011550	3221910832841	15,50	16,00	133	83	1	1
82417011600	3221910832858	16,00	16,00	133	83	1	1
82417011650	3221910832865	16,50	18,00	143	93	1	1
82417011700	3221910832872	17,00	18,00	143	93	1	1
82417011750	3221910832889	17,50	18,00	143	93	1	1
82417011800	3221910832896	18,00	18,00	143	93	1	1
82417011850	3221910832902	18,50	20,00	153	101	1	1
82417011900	3221910832919	19,00	20,00	153	101	1	1
82417011950	3221910832926	19,50	20,00	153	101	1	1
82417012000	3221910832933	20,00	20,00	153	101	1	1

SOLID CARBIDE 3 FLUTE DRILL.

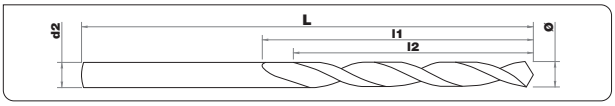
BROCA METAL DURO MONOBLOC 3 CORTES.

PUNTA IN MD INTEGRALE 3 TAGLI.

#01

HM CARB | BRIGHT UNCOATED | simDiN 1897 | 2xd

18 | 140° | 30° | h6



Robustness and exceptional quality (roundness, surface finish).

Fuerza y calidad excepcional (redondez, acabado de la superficie).

Robustezza e qualità eccezionali (rotondità, finitura superficiale).

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

NO Copper alloys
Aleaciones de cobre
Leghe di rame

8240511	EAN	Ø	d2	L	l1	QTY	PCB
82405110300	3221910800765	3,00	3,00	46	27	1	1
82405110310	3221910800772	3,10	3,10	49	30	1	1
82405110320	3221910800789	3,20	3,20	49	30	1	1
82405110330	3221910800796	3,30	3,30	49	30	1	1
82405110340	3221910800802	3,40	3,40	52	36	1	1
82405110350	3221910800819	3,50	3,50	52	36	1	1
82405110360	3221910800826	3,60	3,60	52	36	1	1
82405110370	3221910800833	3,70	3,70	52	36	1	1
82405110380	3221910800840	3,80	3,80	55	38	1	1
82405110390	3221910800857	3,90	3,90	55	38	1	1
82405110400	3221910800864	4,00	4,00	55	38	1	1
82405110410	3221910800871	4,10	4,10	55	38	1	1
82405110420	3221910800888	4,20	4,20	55	38	1	1
82405110430	3221910800895	4,30	4,30	58	40	1	1
82405110440	3221910800901	4,40	4,40	58	40	1	1
82405110450	3221910800918	4,50	4,50	58	40	1	1
82405110460	3221910800925	4,60	4,60	58	40	1	1
82405110470	3221910800932	4,70	4,70	58	40	1	1
82405110480	3221910800949	4,80	4,80	62	43	1	1
82405110490	3221910800956	4,90	4,90	62	43	1	1
82405110500	3221910800963	5,00	5,00	62	43	1	1
82405110510	3221910800970	5,10	5,10	62	43	1	1
82405110520	3221910800987	5,20	5,20	62	43	1	1
82405110530	3221910800994	5,30	5,30	62	43	1	1
82405110540	3221910801007	5,40	5,40	66	45	1	1
82405110550	3221910801014	5,50	5,50	66	45	1	1
82405110560	3221910801021	5,60	5,60	66	45	1	1
82405110570	3221910801038	5,70	5,70	66	45	1	1
82405110580	3221910801045	5,80	5,80	66	45	1	1
82405110590	3221910801052	5,90	5,90	66	45	1	1
82405110600	3221910801069	6,00	6,00	66	45	1	1
82405110610	3221910801076	6,10	6,10	70	47	1	1
82405110620	3221910801083	6,20	6,20	70	47	1	1
82405110630	3221910801090	6,30	6,30	70	47	1	1
82405110640	3221910801106	6,40	6,40	70	47	1	1
82405110650	3221910801113	6,50	6,50	70	47	1	1
82405110660	3221910801120	6,60	6,60	70	47	1	1
82405110670	3221910801137	6,70	6,70	70	47	1	1
82405110680	3221910801144	6,80	6,80	74	49	1	1
82405110690	3221910801151	6,90	6,90	74	49	1	1
82405110700	3221910801168	7,00	7,00	74	49	1	1
82405110750	3221910801212	7,50	7,50	74	49	1	1
82405110780	3221910801243	7,80	7,80	79	52	1	1
82405110800	3221910801267	8,00	8,00	79	52	1	1
82405110850	3221910801311	8,50	8,50	79	52	1	1
82405110880	3221910801328	8,80	8,80	84	56	1	1
82405110900	3221910801335	9,00	9,00	84	56	1	1
82405110950	3221910801359	9,50	9,50	84	56	1	1
82405110980	3221910801366	9,80	9,80	89	60	1	1
82405111000	3221910801373	10,00	10,00	89	60	1	1
82405111020	3221910801380	10,20	10,20	89	60	1	1

8240511	EAN	Ø	d2	L	l1	QTY	PCB
82405111050	3221910801403	10,50	10,50	89	60	1	1
82405111100	3221910801410	11,00	11,00	95	64	1	1
82405111150	3221910801427	11,50	11,50	95	64	1	1
82405111200	3221910801434	12,00	12,00	102	70	1	1
82405111250	3221910801441	12,50	12,50	102	70	1	1
82405111300	3221910801458	13,00	13,00	102	70	1	1
82405111350	3221910801465	13,50	13,50	107	73	1	1
82405111400	3221910801472	14,00	14,00	107	73	1	1
82405111450	3221910801489	14,50	14,50	111	76	1	1
82405111500	3221910801496	15,00	15,00	111	76	1	1
82405111600	3221910801519	16,00	16,00	115	80	1	1

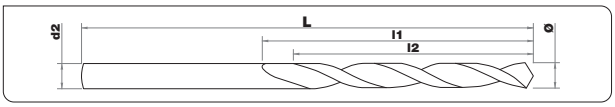
SOLID CARBIDE STUB LENGTH DRILL.

BROCA METAL DURO MONOBLOC SERIE EXTRA-CORTA.

PUNTA IN MD INTEGRALE EXTRA-CORTA.

HM CARB | BRIGHT UNCOATED | DIN 6539 | 2xd

12 | 118° | N TYPE | h6



For abrasive materials, good chip clearance, profitability.

Para materiales abrasivos, buena evacuación de viruta, rentabilidad.

Per materiali abrasivi, buona evacuazione dei trucioli. Redditività.

AB — Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CDE — Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH — Stainless Steels
Aceros inoxidables
Acciai inossidabili

IJ — Cast iron
Fundiciones
Ghisa

KLM — Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

ARCo ARNi Ti — Ni / Co based special alloys & Titanium
Aleaciones refractarias Co / Ni y Titanio
Leghe refrattarie Co / Ni i titanio

8240221	EAN	Ø	d2	L	l1	QTY	PCB
82402210100	3221910799083	1,00	1,00	30	11	1	1
82402210110	3221910799090	1,10	1,10	30	11	1	1
82402210120	3221910799106	1,20	1,20	30	11	1	1
82402210130	3221910799113	1,30	1,30	30	11	1	1
82402210140	3221910799120	1,40	1,40	30	11	1	1
82402210150	3221910799137	1,50	1,50	30	11	1	1
82402210160	3221910799144	1,60	1,60	38	12	1	1
82402210170	3221910799151	1,70	1,70	38	12	1	1
82402210180	3221910799168	1,80	1,80	38	12	1	1
82402210190	3221910799175	1,90	1,90	38	12	1	1
82402210200	3221910799182	2,00	2,00	38	12	1	1
82402210210	3221910799199	2,10	2,10	38	12	1	1
82402210220	3221910799205	2,20	2,20	40	13	1	1
82402210230	3221910799212	2,30	2,30	40	13	1	1
82402210240	3221910799229	2,40	2,40	43	14	1	1
82402210250	3221910799236	2,50	2,50	43	14	1	1
82402210260	3221910799243	2,60	2,60	43	14	1	1
82402210270	3221910799250	2,70	2,70	46	16	1	1
82402210280	3221910799267	2,80	2,80	46	16	1	1
82402210290	3221910799274	2,90	2,90	46	16	1	1
82402210300	3221910799281	3,00	3,00	46	16	1	1
82402210310	3221910799298	3,10	3,10	49	18	1	1
82402210320	3221910799304	3,20	3,20	49	18	1	1
82402210330	3221910799311	3,30	3,30	49	18	1	1
82402210340	3221910799328	3,40	3,40	52	20	1	1
82402210350	3221910799335	3,50	3,50	52	20	1	1
82402210360	3221910799342	3,60	3,60	52	20	1	1
82402210370	3221910799359	3,70	3,70	52	20	1	1
82402210380	3221910799366	3,80	3,80	55	22	1	1
82402210390	3221910799373	3,90	3,90	55	22	1	1
82402210400	3221910799380	4,00	4,00	55	22	1	1
82402210410	3221910799397	4,10	4,10	55	22	1	1
82402210420	3221910799403	4,20	4,20	55	22	1	1
82402210430	3221910799410	4,30	4,30	58	24	1	1
82402210440	3221910799427	4,40	4,40	58	24	1	1
82402210450	3221910799434	4,50	4,50	58	24	1	1
82402210460	3221910799441	4,60	4,60	58	24	1	1

#01

82402210470	3221910799458	4,70	4,70	58	24	1	1
82402210480	3221910799465	4,80	4,80	62	26	1	1
82402210490	3221910799472	4,90	4,90	62	26	1	1
82402210500	3221910799489	5,00	5,00	62	26	1	1
82402210510	3221910799496	5,10	5,10	62	26	1	1
82402210520	3221910799502	5,20	5,20	62	26	1	1
82402210530	3221910799519	5,30	5,30	62	26	1	1
82402210540	3221910799526	5,40	5,40	66	28	1	1
82402210550	3221910799533	5,50	5,50	66	28	1	1
82402210560	3221910799540	5,60	5,60	66	28	1	1
82402210570	3221910799557	5,70	5,70	66	28	1	1
82402210580	3221910799564	5,80	5,80	66	28	1	1
82402210590	3221910799571	5,90	5,90	66	28	1	1
82402210600	3221910799588	6,00	6,00	66	28	1	1
82402210610	3221910799595	6,10	6,10	70	31	1	1
82402210620	3221910799601	6,20	6,20	70	31	1	1
82402210630	3221910799618	6,30	6,30	70	31	1	1
82402210640	3221910799625	6,40	6,40	70	31	1	1
82402210650	3221910799632	6,50	6,50	70	31	1	1
82402210660	3221910799649	6,60	6,60	70	31	1	1
82402210670	3221910799656	6,70	6,70	70	31	1	1
82402210680	3221910799663	6,80	6,80	74	34	1	1
82402210690	3221910799670	6,90	6,90	74	34	1	1
82402210700	3221910799687	7,00	7,00	74	34	1	1
82402210710	3221910799694	7,10	7,10	74	34	1	1
82402210720	3221910799700	7,20	7,20	74	34	1	1
82402210730	3221910799717	7,30	7,30	74	34	1	1
82402210740	3221910799724	7,40	7,40	74	34	1	1
82402210750	3221910799731	7,50	7,50	74	34	1	1
82402210760	3221910799748	7,60	7,60	79	37	1	1
82402210770	3221910799755	7,70	7,70	79	37	1	1
82402210780	3221910799762	7,80	7,80	79	37	1	1
82402210790	3221910799779	7,90	7,90	79	37	1	1
82402210800	3221910799786	8,00	8,00	79	37	1	1
82402210810	3221910799793	8,10	8,10	79	37	1	1
82402210820	3221910799809	8,20	8,20	79	37	1	1
82402210830	3221910799816	8,30	8,30	79	37	1	1
82402210840	3221910799823	8,40	8,40	79	37	1	1
82402210850	3221910799830	8,50	8,50	79	37	1	1
82402210900	3221910799854	9,00	9,00	84	40	1	1
82402210950	3221910799878	9,50	9,50	84	40	1	1
82402211000	3221910799892	10,00	10,00	89	43	1	1
82402211020	3221910799908	10,20	10,20	89	43	1	1
82402211050	3221910799915	10,50	10,50	89	43	1	1
82402211100	3221910799922	11,00	11,00	95	47	1	1
82402211150	3221910799939	11,50	11,50	95	47	1	1
82402211200	3221910799946	12,00	12,00	102	51	1	1
82402211250	3221910799953	12,50	12,50	102	51	1	1
82402211300	3221910799960	13,00	13,00	102	51	1	1
82402211400	3221910799977	14,00	14,00	107	54	1	1
82402211600	3221910799991	16,00	16,00	115	58	1	1

SOLID CARBIDE JOBBER LENGTH DRILL.

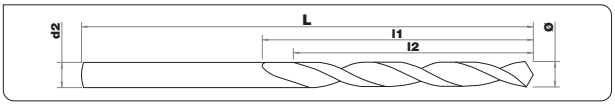
BROCA METAL DURO MONOBLOC SERIE CORTA.

PUNTA IN MD INTEGRALE CORTA.

#01

HM CARB | BRIGHT UNCOATED | simDIN 338 | 3xd

12 | 118° | N TYPE | h6



For abrasive materials, good chip clearance, profitability.

Para materiales abrasivos, buena evacuación de viruta, rentabilidad.

Per materiali abrasivi, buona evacuazione dei trucioli. Redditività.

AB — Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CDE — Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH — Stainless Steels
Aceros inoxidables
Acciai inossidabili

IJ — Cast iron
Fundiciones
Ghisa

KLM — Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

ARCo ARNi Ti — Ni / Co based special alloys & Titanium
Aleaciones refractarias Co / Ni y Titanio
Leghe refrattarie Co / Ni i titanio

8243921	EAN	ø	d2	L	l1	QTY	PCB
82439210100	3221910809331	1,00	1,00	34	12	1	1
82439210110	3221910809348	1,10	1,10	36	14	1	1
82439210120	3221910809355	1,20	1,20	38	16	1	1
82439210130	3221910809362	1,30	1,30	38	16	1	1
82439210140	3221910809379	1,40	1,40	40	18	1	1
82439210150	3221910809386	1,50	1,50	40	18	1	1
82439210160	3221910809393	1,60	1,60	43	20	1	1
82439210170	3221910809409	1,70	1,70	43	20	1	1
82439210180	3221910809416	1,80	1,80	46	22	1	1
82439210190	3221910809423	1,90	1,90	46	22	1	1
82439210200	3221910809430	2,00	2,00	49	24	1	1
82439210210	3221910809447	2,10	2,10	49	24	1	1
82439210220	3221910809454	2,20	2,20	53	27	1	1
82439210230	3221910809461	2,30	2,30	53	27	1	1
82439210240	3221910809478	2,40	2,40	57	30	1	1
82439210250	3221910809485	2,50	2,50	57	30	1	1
82439210260	3221910809492	2,60	2,60	57	30	1	1
82439210270	3221910809508	2,70	2,70	61	33	1	1
82439210280	3221910809515	2,80	2,80	61	33	1	1
82439210290	3221910809522	2,90	2,90	61	33	1	1
82439210300	3221910809539	3,00	3,00	61	33	1	1
82439210310	3221910809546	3,10	3,10	65	36	1	1
82439210320	3221910809553	3,20	3,20	65	36	1	1
82439210330	3221910809560	3,30	3,30	65	36	1	1
82439210340	3221910809577	3,40	3,40	70	39	1	1
82439210350	3221910809584	3,50	3,50	70	39	1	1
82439210360	3221910809591	3,60	3,60	70	39	1	1
82439210370	3221910809607	3,70	3,70	70	39	1	1
82439210380	3221910809614	3,80	3,80	75	43	1	1
82439210390	3221910809621	3,90	3,90	75	43	1	1
82439210400	3221910809638	4,00	4,00	75	43	1	1
82439210410	3221910809645	4,10	4,10	75	43	1	1
82439210420	3221910809652	4,20	4,20	75	43	1	1
82439210430	3221910809669	4,30	4,30	80	47	1	1
82439210440	3221910809676	4,40	4,40	80	47	1	1
82439210450	3221910809683	4,50	4,50	80	47	1	1
82439210460	3221910809690	4,60	4,60	80	47	1	1
82439210470	3221910809706	4,70	4,70	80	47	1	1
82439210480	3221910809713	4,80	4,80	86	52	1	1
82439210490	3221910809720	4,90	4,90	86	52	1	1
82439210500	3221910809737	5,00	5,00	86	52	1	1
82439210510	3221910809744	5,10	5,10	86	52	1	1
82439210520	3221910809751	5,20	5,20	86	52	1	1
82439210530	3221910809768	5,30	5,30	86	52	1	1
82439210540	3221910809775	5,40	5,40	93	57	1	1
82439210550	3221910809782	5,50	5,50	93	57	1	1
82439210560	3221910809799	5,60	5,60	93	57	1	1
82439210570	3221910809805	5,70	5,70	93	57	1	1
82439210580	3221910809812	5,80	5,80	93	57	1	1
82439210590	3221910809829	5,90	5,90	93	57	1	1
82439210600	3221910809836	6,00	6,00	93	57	1	1

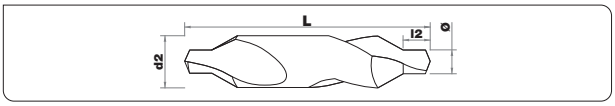
#01

8243921	EAN	Ø	d2	L	l1	QTY	PCB
82439210610	3221910809843	6,10	6,10	101	63	1	1
82439210620	3221910809850	6,20	6,20	101	63	1	1
82439210630	3221910809867	6,30	6,30	101	63	1	1
82439210640	3221910809874	6,40	6,40	101	63	1	1
82439210650	3221910809881	6,50	6,50	101	63	1	1
82439210660	3221910809898	6,60	6,60	101	63	1	1
82439210670	3221910809904	6,70	6,70	101	63	1	1
82439210680	3221910809911	6,80	6,80	109	69	1	1
82439210690	3221910809928	6,90	6,90	109	69	1	1
82439210700	3221910809935	7,00	7,00	109	69	1	1
82439210750	3221910809980	7,50	7,50	109	69	1	1
82439210780	3221910810016	7,80	7,80	117	75	1	1
82439210800	3221910810030	8,00	8,00	117	75	1	1
82439210850	3221910810085	8,50	8,50	117	75	1	1
82439210900	3221910810108	9,00	9,00	125	81	1	1
82439210950	3221910810122	9,50	9,50	125	81	1	1
82439211000	3221910810146	10,00	10,00	133	87	1	1
82439211020	3221910810153	10,20	10,20	133	87	1	1
82439211050	3221910810160	10,50	10,50	133	87	1	1
82439211100	3221910810177	11,00	11,00	142	94	1	1
82439211150	3221910810184	11,50	11,50	142	94	1	1
82439211200	3221910810191	12,00	12,00	151	101	1	1
82439211300	3221910810207	13,00	13,00	151	101	1	1
82439211400	3221910810214	14,00	14,00	160	108	1	1

SOLID CARBIDE 60° CENTRE DRILL. | **BROCAS DE CENTRAR METAL DURO 60°.** | **PUNTA IN MD A CENTRARE 60°.**

HM CARB · BRIGHT UNCOATED · DIN 333A · 60°

A FORM · h8



For centering. | Para centrar. | Per centrare.

AB — Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CDE — Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

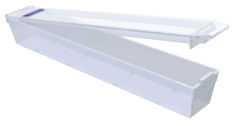
FGH — Stainless Steels
Aceros inoxidables
Acciai inossidabili

IJ — Cast iron
Fundiciones
Ghisa

KLM — Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

ARCo ARNi Ti — Ni / Co based special alloys & Titanium
Aleaciones refractarias Co / Ni y Titanio
Leghe refrattarie Co / Ni i titanio

8241941	EAN	Ø	d2	L	l1	QTY	PCB
8241941100315	3221910803889	3,15	1,00	30	2	1	1
8241941160400	3221910803896	4,00	1,60	35	3	1	1
8241941200500	3221910803902	5,00	2,00	40	3	1	1
8241941250630	3221910803919	6,30	2,50	45	4	1	1
8241941315800	3221910803926	8,00	3,15	50	5	1	1
82419414001000	3221910803933	10,00	4,00	55	6	1	1



SOLID CARBIDE 90° SPOTTING DRILL.

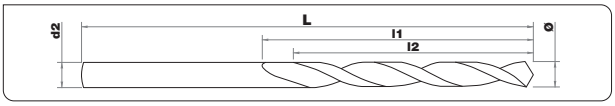
BROCA DE PUNTEAR 90°.

PUNTA IN MD A CENTRARE 90° .

#01

HM CARB | BRIGHT UNCOATED | TIVOLY NORM | 90°

h6



For spotting, deburring, countersink.

Para puntear, desbastar, avellanar.

Per preforatura, sbavatura, svasatura.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH Stainless Steels
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

ARCo ARNi Ti Ni / Co based special alloys & Titanium
Aleaciones refractarias Co / Ni y Titanio
Leghe refrattarie Co / Ni i titanio

8240931	EAN	ø	d2	L	l1	QTY	PCB
82409310400	3221910801595	4,00	4,00	50	12	1	1
82409310500	3221910801601	5,00	5,00	50	15	1	1
82409310600	3221910801618	6,00	6,00	50	18	1	1
82409310800	3221910801625	8,00	8,00	60	23	1	1
82409311000	3221910801632	10,00	10,00	70	24	1	1
82409311200	3221910801649	12,00	12,00	70	24	1	1
82409311600	3221910801656	16,00	16,00	80	26	1	1

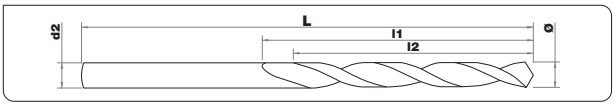
SOLID CARBIDE 120° SPOTTING DRILL.

BROCA DE PUNTEAR 120°.

PUNTA IN MD A CENTRARE 120°.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM | 120°

h6



For spotting, deburring, countersink.

Para puntear, desbastar, avellanar.

Per preforatura, sbavatura, svasatura.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH Stainless Steels
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

ARCo ARNi Ti Ni / Co based special alloys & Titanium
Aleaciones refractarias Co / Ni y Titanio
Leghe refrattarie Co / Ni i titanio

8243911	EAN	ø	d2	L	l1	QTY	PCB
82439110400	3221910809263	4,00	4,00	50	12	1	1
82439110500	3221910809270	5,00	5,00	50	15	1	1
82439110600	3221910809287	6,00	6,00	50	18	1	1
82439110800	3221910809294	8,00	8,00	60	23	1	1
82439111000	3221910809300	10,00	10,00	70	24	1	1
82439111200	3221910809317	12,00	12,00	70	24	1	1
82439111600	3221910809324	16,00	16,00	80	26	1	1

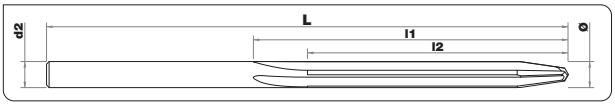
DAGGER Z3 | SOLID CARBIDE DAGGER REAMER DRILL | Z3.

DAGGER Z3 | BROCA ESCARIADORA | Z3.

DAGGER Z3 | PUNTA ALESATORE A LANCIA Z3.

#01

HM CARB | TIVOLY NORM | Z3 | 5°



Designed for Carbon, Carbon/Alu. For thickness > 5mm.

Diseñado para Carbón, Carbon/Alu. Para espesor > 5mm.

Concepita per carbonio, carbonio/alluminio. Per spessori > 5mm.

KLM — Aluminium alloys / Aleaciones de aluminio / Leghe di alluminio

X — Composites / Composites Fibras / Fibre composite

8243941	EAN	Ø	d2	L	l1	QTY	PCB
82439410240	3221910886707	2,40	2,40	100	60	1	10
82439410250	3221910886714	2,50	2,50	100	60	1	10
82439410300	3221910886721	3,00	3,00	100	60	1	10
82439410310	3221910886738	3,10	3,10	100	60	1	10
82439410320	3221910886745	3,20	3,20	100	60	1	10
82439410330	3221910886752	3,30	3,30	100	60	1	10
82439410350	3221910886769	3,50	3,50	100	60	1	10
82439410370	3221910886776	3,70	3,70	100	60	1	10
82439410375	3221910886783	3,75	3,75	100	60	1	10
82439410380	3221910886790	3,80	3,80	100	60	1	10
82439410390	3221910886806	3,90	3,90	100	60	1	10
82439410400	3221910886813	4,00	4,00	100	60	1	10
82439410410	3221910886820	4,10	4,10	100	60	1	10
82439410420	3221910886837	4,20	4,20	100	60	1	10
82439410430	3221910886844	4,30	4,30	100	60	1	10
82439410450	3221910886851	4,50	4,50	100	60	1	10
82439410460	3221910886868	4,60	4,60	100	60	1	10
82439410470	3221910886875	4,70	4,70	100	60	1	10
82439410476	3221910886882	4,76	4,76	100	60	1	10
82439410480	3221910886899	4,80	4,80	100	60	1	10
82439410500	3221910886905	5,00	5,00	100	60	1	10
82439410510	3221910886912	5,10	5,10	100	60	1	10
82439410520	3221910886929	5,20	5,20	100	60	1	10
82439410530	3221910886936	5,30	5,30	100	60	1	10
82439410540	3221910886943	5,40	5,40	100	60	1	10
82439410550	3221910886950	5,50	5,50	100	60	1	10
82439410580	3221910886967	5,80	5,80	100	60	1	10
82439410600	3221910886974	6,00	6,00	100	60	1	10
82439410610	3221910886981	6,10	6,10	100	60	1	10
82439410620	3221910886998	6,20	6,20	100	60	1	10
82439410630	3221910887001	6,30	6,30	100	60	1	10
82439410635	3221910887018	6,35	6,35	100	60	1	10
82439410650	3221910887025	6,50	6,50	100	60	1	10
82439410700	3221910887032	7,00	7,00	100	60	1	10
82439410751	3221910887049	7,51	7,51	100	60	1	10
82439410790	3221910887056	7,90	7,90	100	60	1	10
82439410793	3221910887063	7,94	7,94	100	60	1	10
82439410800	3221910887070	8,00	8,00	100	60	1	10
82439410900	3221910887087	9,00	9,00	100	60	1	10
82439410950	3221910887094	9,50	9,50	100	60	1	10
82439410952	3221910887100	9,53	9,53	100	60	1	10
82439411000	3221910887117	10,00	10,00	100	60	1	10

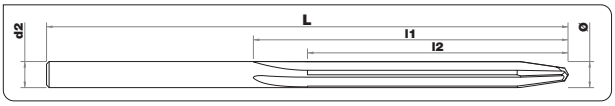
DAGGER Z4 | SOLID CARBIDE DAGGER REAMER DRILL | Z4.

DAGGER Z4 | BROCA ESCARIADORA | Z4.

DAGGER Z4 | PUNTA ALESATORE A LANCIA Z4.

#01

HM CARB | TIVOLY NORM | Z4 | 0°



Designed for Carbon, Carbon/Alu. For thickness < 5mm.

Diseñado para Carbon, Carbon/Alu. Para espesor < 5mm.

Concepita per carbonio, carbonio/alluminio. Per spessori < 5mm.

KLM — Aluminium alloys / Aleaciones de aluminio / Leghe di alluminio

X — Composites / Composites Fibras / Fibre composite

8243951	EAN	Ø	d2	L	l1	QTY	PCB
82439510240	3221910887124	2,40	2,40	100	60	1	10
82439510250	3221910887131	2,50	2,50	100	60	1	10
82439510300	3221910887148	3,00	3,00	100	60	1	10
82439510310	3221910887155	3,10	3,10	100	60	1	10
82439510320	3221910887162	3,20	3,20	100	60	1	10
82439510330	3221910887179	3,30	3,30	100	60	1	10
82439510350	3221910887186	3,50	3,50	100	60	1	10
82439510370	3221910887193	3,70	3,70	100	60	1	10
82439510375	3221910887209	3,75	3,75	100	60	1	10
82439510380	3221910887216	3,80	3,80	100	60	1	10
82439510390	3221910887223	3,90	3,90	100	60	1	10
82439510400	3221910887230	4,00	4,00	100	60	1	10
82439510410	3221910887247	4,10	4,10	100	60	1	10
82439510420	3221910887254	4,20	4,20	100	60	1	10
82439510430	3221910887261	4,30	4,30	100	60	1	10
82439510450	3221910887278	4,50	4,50	100	60	1	10
82439510460	3221910887285	4,60	4,60	100	60	1	10
82439510470	3221910887292	4,70	4,70	100	60	1	10
82439510476	3221910887308	4,76	4,76	100	60	1	10
82439510480	3221910887315	4,80	4,80	100	60	1	10
82439510500	3221910887322	5,00	5,00	100	60	1	10
82439510510	3221910887339	5,10	5,10	100	60	1	10
82439510520	3221910887346	5,20	5,20	100	60	1	10
82439510530	3221910887353	5,30	5,30	100	60	1	10
82439510540	3221910887360	5,40	5,40	100	60	1	10
82439510550	3221910887377	5,50	5,50	100	60	1	10
82439510580	3221910887384	5,80	5,80	100	60	1	10
82439510600	3221910887391	6,00	6,00	100	60	1	10
82439510610	3221910887407	6,10	6,10	100	60	1	10
82439510620	3221910887414	6,20	6,20	100	60	1	10
82439510630	3221910887421	6,30	6,30	100	60	1	10
82439510635	3221910887438	6,35	6,35	100	60	1	10
82439510650	3221910887445	6,50	6,50	100	60	1	10
82439510700	3221910887452	7,00	7,00	100	60	1	10
82439510751	3221910887469	7,51	7,51	100	60	1	10
82439510790	3221910887476	7,90	7,90	100	60	1	10
82439510793	3221910887483	7,94	7,94	100	60	1	10
82439510800	3221910887490	8,00	8,00	100	60	1	10
82439510900	3221910887506	9,00	9,00	100	60	1	10
82439510950	3221910887513	9,50	9,50	100	60	1	10
82439510952	3221910887520	9,53	9,53	100	60	1	10
82439511000	3221910887537	10,00	10,00	100	60	1	10

CARBIDE TIPPED JOBBER LENGTH DRILL.

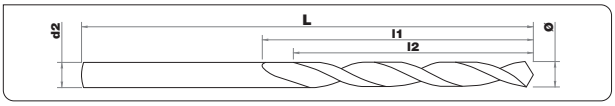
BROCA PUNTA DE METAL DURO SERIE CORTA.

PUNTA CON PLACCHETTA IN MD RIPORTATO I CORTA.

#01

HM CARB | BRIGHT UNCOATED | simDiN 338 | 3xd

9 | 120° | N TYPE | h8



For steels & composites, universal application.

Para aceros y composites.

Foratura di acciai e compositi. Polivalente.

AB
Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD
Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

IJ
Cast iron
Fundiciones
Ghisa

K
Fat aluminium alloys
Aleaciones de aluminio dúctil
Leghe di alluminio grasso

NO
Copper alloys
Aleaciones de cobre
Leghe di rame

8240201	EAN	ø	d2	L	l1	QTY	PCB
82402010200	3221910412302	2,00	2,00	49	24	1	1
82402010210	3221910412319	2,10	2,10	49	24	1	1
82402010220	3221910412326	2,20	2,20	53	27	1	1
82402010230	3221910412333	2,30	2,30	53	27	1	1
82402010240	3221910412340	2,40	2,40	57	30	1	1
82402010250	3221910412357	2,50	2,50	57	30	1	1
82402010260	3221910412364	2,60	2,60	57	30	1	1
82402010270	3221910412371	2,70	2,70	61	33	1	1
82402010280	3221910412388	2,80	2,80	61	33	1	1
82402010290	3221910412395	2,90	2,90	61	33	1	1
82402010300	3221910412401	3,00	3,00	61	33	1	1
82402010310	3221910412418	3,10	3,10	65	36	1	1
82402010320	3221910412425	3,20	3,20	65	36	1	1
82402010330	3221910412432	3,30	3,30	65	36	1	1
82402010340	3221910412449	3,40	3,40	70	39	1	1
82402010350	3221910412456	3,50	3,50	70	39	1	1
82402010360	3221910412463	3,60	3,60	70	39	1	1
82402010370	3221910412470	3,70	3,70	70	39	1	1
82402010380	3221910412487	3,80	3,80	75	43	1	1
82402010390	3221910412494	3,90	3,90	75	43	1	1
82402010400	3221910412500	4,00	4,00	75	43	1	1
82402010410	3221910412517	4,10	4,10	75	43	1	1
82402010420	3221910412524	4,20	4,20	75	43	1	1
82402010430	3221910412531	4,30	4,30	80	47	1	1
82402010440	3221910412548	4,40	4,40	80	47	1	1
82402010450	3221910412555	4,50	4,50	80	47	1	1
82402010460	3221910412562	4,60	4,60	80	47	1	1
82402010470	3221910412579	4,70	4,70	80	47	1	1
82402010480	3221910412586	4,80	4,80	86	52	1	1
82402010490	3221910412593	4,90	4,90	86	52	1	1
82402010500	3221910412609	5,00	5,00	86	52	1	1
82402010510	3221910412616	5,10	5,10	86	52	1	1
82402010520	3221910412623	5,20	5,20	86	52	1	1
82402010530	3221910412630	5,30	5,30	86	52	1	1
82402010540	3221910412647	5,40	5,40	93	57	1	1
82402010550	3221910412654	5,50	5,50	93	57	1	1
82402010560	3221910412661	5,60	5,60	93	57	1	1
82402010570	3221910412678	5,70	5,70	93	57	1	1
82402010580	3221910412685	5,80	5,80	93	57	1	1
82402010590	3221910412708	5,90	5,90	93	57	1	1
82402010600	3221910412715	6,00	6,00	93	57	1	1
82402010610	3221910412722	6,10	6,10	101	63	1	1
82402010620	3221910412739	6,20	6,20	101	63	1	1
82402010630	3221910412746	6,30	6,30	101	63	1	1
82402010640	3221910412753	6,40	6,40	101	63	1	1
82402010650	3221910412760	6,50	6,50	101	63	1	1
82402010660	3221910412777	6,60	6,60	101	63	1	1
82402010670	3221910412784	6,70	6,70	101	63	1	1
82402010680	3221910412791	6,80	6,80	109	69	1	1
82402010690	3221910412807	6,90	6,90	109	69	1	1
82402010700	3221910412814	7,00	7,00	109	69	1	1

#01

8240201	EAN	Ø	d2	L	l1	QTY	PCB
82402010710	3221910412821	7,10	7,10	109	69	1	1
82402010720	3221910412838	7,20	7,20	109	69	1	1
82402010730	3221910412845	7,30	7,30	109	69	1	1
82402010740	3221910412852	7,40	7,40	109	69	1	1
82402010750	3221910412869	7,50	7,50	109	69	1	1
82402010760	3221910412876	7,60	7,60	117	75	1	1
82402010770	3221910412883	7,70	7,70	117	75	1	1
82402010780	3221910412890	7,80	7,80	117	75	1	1
82402010790	3221910412906	7,90	7,90	117	75	1	1
82402010800	3221910412913	8,00	8,00	117	75	1	1
82402010810	3221910412920	8,10	8,10	117	75	1	1
82402010820	3221910412937	8,20	8,20	117	75	1	1
82402010830	3221910412944	8,30	8,30	117	75	1	1
82402010840	3221910412951	8,40	8,40	117	75	1	1
82402010850	3221910412968	8,50	8,50	117	75	1	1
82402010860	3221910412975	8,60	8,60	125	81	1	1
82402010870	3221910412982	8,70	8,70	125	81	1	1
82402010880	3221910412999	8,80	8,80	125	81	1	1
82402010890	3221910413002	8,90	8,90	125	81	1	1
82402010900	3221910413019	9,00	9,00	125	81	1	1
82402010910	3221910413026	9,10	9,10	125	81	1	1
82402010920	3221910413033	9,20	9,20	125	81	1	1
82402010930	3221910413040	9,30	9,30	125	81	1	1
82402010940	3221910413057	9,40	9,40	125	81	1	1
82402010950	3221910413064	9,50	9,50	125	81	1	1
82402010960	3221910413071	9,60	9,60	133	87	1	1
82402010970	3221910413088	9,70	9,70	133	87	1	1
82402010980	3221910413095	9,80	9,80	133	87	1	1
82402010990	3221910413101	9,90	9,90	133	87	1	1
82402011000	3221910413118	10,00	10,00	133	87	1	1
82402011020	3221910413132	10,20	10,20	133	87	1	1
82402011050	3221910413149	10,50	10,50	133	87	1	1
82402011100	3221910413156	11,00	11,00	142	94	1	1
82402011120	3221910413163	11,20	11,20	142	94	1	1
82402011150	3221910413170	11,50	11,50	142	94	1	1
82402011200	3221910413187	12,00	12,00	151	101	1	1
82402011220	3221910413194	12,20	12,20	151	101	1	1
82402011250	3221910413200	12,50	12,50	151	101	1	1
82402011300	3221910413217	13,00	13,00	151	101	1	1
82402011350	3221910413231	13,50	13,50	160	108	1	1
82402011400	3221910413248	14,00	14,00	160	108	1	1
82402011420	3221910413255	14,20	14,20	169	114	1	1
82402011450	3221910413262	14,50	14,50	169	114	1	1
82402011500	3221910413279	15,00	15,00	169	114	1	1
82402011520	3221910413286	15,20	15,20	178	120	1	1
82402011550	3221910413293	15,50	15,50	178	120	1	1
82402011600	3221910413309	16,00	16,00	178	120	1	1
82402011650	3221910413316	16,50	16,50	184	125	1	1
82402011700	3221910413323	17,00	17,00	184	125	1	1
82402011750	3221910413330	17,50	17,50	191	130	1	1
82402011800	3221910413347	18,00	18,00	191	130	1	1
82402011850	3221910413354	18,50	18,50	198	135	1	1
82402011900	3221910413361	19,00	19,00	198	135	1	1
82402011950	3221910413378	19,50	19,50	204	140	1	1
82402012000	3221910413385	20,00	20,00	204	140	1	1

CARBIDE TIPPED LONG DRILL.

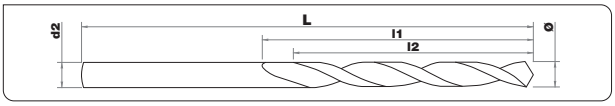
BROCA PUNTA DE METAL DURO SERIE LARGA.

PUNTA CON PLACCHETTA IN MD RIPORTATO I LUNGA.

#01

HM CARB | BRIGHT UNCOATED | simDIN 340 | 5xd

9 | 120° | N TYPE | h8



For steels < 1200/mm² & composites, universal application.

Para aceros < 1200 N/mm² y composites.

Foratura di acciai <1200 N/mm² e compositi. Polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

IJ Cast iron
Fundiciones
Ghisa

K Fat aluminium alloys
Aleaciones de aluminio dúctil
Leghe di alluminio grasso

NO Copper alloys
Aleaciones de cobre
Leghe di rame

8240501	EAN	ø	d2	L	l1	QTY	PCB
82405010200	3221910458478	2,00	2,00	85	56	1	1
82405010210	3221910458485	2,10	2,10	85	56	1	1
82405010220	3221910458492	2,20	2,20	90	59	1	1
82405010230	3221910458508	2,30	2,30	90	59	1	1
82405010240	3221910458515	2,40	2,40	95	62	1	1
82405010250	3221910458522	2,50	2,50	95	62	1	1
82405010260	3221910458539	2,60	2,60	95	62	1	1
82405010270	3221910458546	2,70	2,70	100	66	1	1
82405010280	3221910458553	2,80	2,80	100	66	1	1
82405010290	3221910458560	2,90	2,90	100	66	1	1
82405010300	3221910458577	3,00	3,00	100	66	1	1
82405010310	3221910458584	3,10	3,10	106	69	1	1
82405010320	3221910458591	3,20	3,20	106	69	1	1
82405010330	3221910458607	3,30	3,30	106	69	1	1
82405010340	3221910458614	3,40	3,40	112	73	1	1
82405010350	3221910458621	3,50	3,50	112	73	1	1
82405010360	3221910458638	3,60	3,60	112	73	1	1
82405010370	3221910458645	3,70	3,70	112	73	1	1
82405010380	3221910458652	3,80	3,80	119	78	1	1
82405010390	3221910458669	3,90	3,90	119	78	1	1
82405010400	3221910458676	4,00	4,00	119	78	1	1
82405010410	3221910458683	4,10	4,10	119	78	1	1
82405010420	3221910458690	4,20	4,20	119	78	1	1
82405010430	3221910458706	4,30	4,30	126	82	1	1
82405010440	3221910458713	4,40	4,40	126	82	1	1
82405010450	3221910458720	4,50	4,50	126	82	1	1
82405010460	3221910458737	4,60	4,60	126	82	1	1
82405010470	3221910458744	4,70	4,70	126	82	1	1
82405010480	3221910458751	4,80	4,80	132	87	1	1
82405010490	3221910458768	4,90	4,90	132	87	1	1
82405010500	3221910458775	5,00	5,00	132	87	1	1
82405010510	3221910458782	5,10	5,10	132	87	1	1
82405010520	3221910458799	5,20	5,20	132	87	1	1
82405010530	3221910458805	5,30	5,30	132	87	1	1
82405010540	3221910458812	5,40	5,40	139	91	1	1
82405010550	3221910458829	5,50	5,50	139	91	1	1
82405010560	3221910458836	5,60	5,60	139	91	1	1
82405010570	3221910458843	5,70	5,70	139	91	1	1
82405010580	3221910458850	5,80	5,80	139	91	1	1
82405010590	3221910458867	5,90	5,90	139	91	1	1
82405010600	3221910458874	6,00	6,00	139	91	1	1
82405010610	3221910458881	6,10	6,10	148	97	1	1
82405010620	3221910458898	6,20	6,20	148	97	1	1
82405010630	3221910458904	6,30	6,30	148	97	1	1
82405010640	3221910458911	6,40	6,40	148	97	1	1
82405010650	3221910458928	6,50	6,50	148	97	1	1
82405010660	3221910458935	6,60	6,60	148	97	1	1
82405010670	3221910458942	6,70	6,70	148	97	1	1
82405010680	3221910458966	6,80	6,80	156	102	1	1
82405010690	3221910458973	6,90	6,90	156	102	1	1
82405010700	3221910458980	7,00	7,00	156	102	1	1

#01

8240501	EAN	Ø	d2	L	l1	QTY	PCB
82405010710	3221910458997	7,10	7,10	156	102	1	1
82405010720	3221910459000	7,20	7,20	156	102	1	1
82405010730	3221910459017	7,30	7,30	156	102	1	1
82405010740	3221910459024	7,40	7,40	156	102	1	1
82405010750	3221910459031	7,50	7,50	156	102	1	1
82405010760	3221910459048	7,60	7,60	165	106	1	1
82405010770	3221910459055	7,70	7,70	165	106	1	1
82405010780	3221910459062	7,80	7,80	165	106	1	1
82405010790	3221910459079	7,90	7,90	165	106	1	1
82405010800	3221910459086	8,00	8,00	165	106	1	1
82405010810	3221910459093	8,10	8,10	165	106	1	1
82405010820	3221910459109	8,20	8,20	165	106	1	1
82405010830	3221910459116	8,30	8,30	165	106	1	1
82405010840	3221910459123	8,40	8,40	165	106	1	1
82405010850	3221910459130	8,50	8,50	165	106	1	1
82405010900	3221910459185	9,00	9,00	175	115	1	1
82405010950	3221910459192	9,50	9,50	175	115	1	1
82405011000	3221910459208	10,00	10,00	184	121	1	1
82405011050	3221910459215	10,50	10,50	184	121	1	1
82405011100	3221910459222	11,00	11,00	195	128	1	1
82405011150	3221910459239	11,50	11,50	195	128	1	1
82405011200	3221910459246	12,00	12,00	205	134	1	1
82405011250	3221910459253	12,50	12,50	205	134	1	1
82405011300	3221910459260	13,00	13,00	205	134	1	1
82405011350	3221910459277	13,50	13,50	214	140	1	1
82405011400	3221910459284	14,00	14,00	214	140	1	1
82405011450	3221910459291	14,50	14,50	220	144	1	1
82405011500	3221910459307	15,00	15,00	227	149	1	1
82405011550	3221910459314	15,50	15,50	227	149	1	1
82405011600	3221910459321	16,00	16,00	227	149	1	1
82405011700	3221910459338	17,00	17,00	235	154	1	1
82405011800	3221910459345	18,00	18,00	241	158	1	1
82405011900	3221910459352	19,00	19,00	247	162	1	1
82405012000	3221910459369	20,00	20,00	254	166	1	1

INFO

Foret TBX 4F nouvelle génération, spécialement conçue pour le perçage des aciers inoxydables austénitiques (type 304L - 316L) .

New Generation Drill bit TBX-4F designed for drilling austentitic stainless steels (type 304L & 316L)

TIVOLY

TBX 4F
FORET HSS COBALT

L'affûtage 4 faces «plan», un concentré de technologie :

- Dépouille + contre dépouille planes
- Angle de dépouille constant

Associé à une géométrie d'amincissement et de goujure optimisée, cet affûtage apporte aux nouveaux forets cobalt TBX 4F :

- Stabilité géométrique,
- Renforcement de la pointe,
- Répartition régulière de l'usure en dépouille,
- Fragmentation des copeaux,

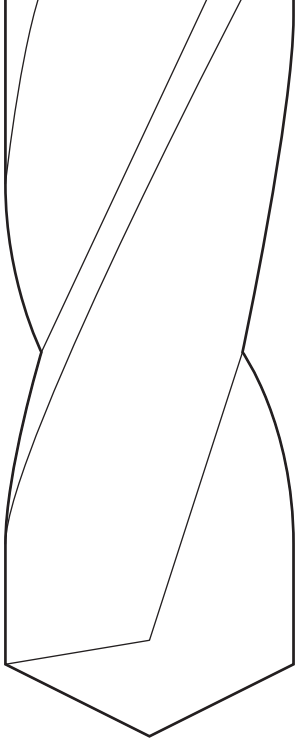
4 Facet point project plan "a concentration of technology":

- Geometric stability,
- Strong tip
- Wear distribution across relief angle
- Chip breaking.

MADE IN FRANCE
ÉCO CONCEPTION

ENGAGEMENT DURABLE. DEVELOPPEMENT

professionnel@tivoly.com



CARBIDE BITS 48
BROCAS METAL DURO
PUNTE CARBURO

Solid Carbide. Metal duro. Metallo duro. #01
Carbide tipped. Con plaquitas intercambiables. A placchetta riportata.
Centering bits. Brocas de centrar/puntear. Punte a centrare/Bulinare.

HSS BITS 70
BROCAS HSS
PUNTE HSS

Round Shank. Cilíndrica. Cilindrico. #01
Morse bits. Cono morse. Cono Morse.
Accessories. Accesorios. Accessori.
Centering bits. Brocas de centrar/puntear. Punte a centrare/Bulinare.

CONICAL BITS 150
BROCAS CÓNICAS
PUNTE CONICHE

Straight. Lisas. Lucidare. #01
Stepped. Escalonadas. Pavimenti.

CHUCKS 153
PORTABROCAS
MANDRINI

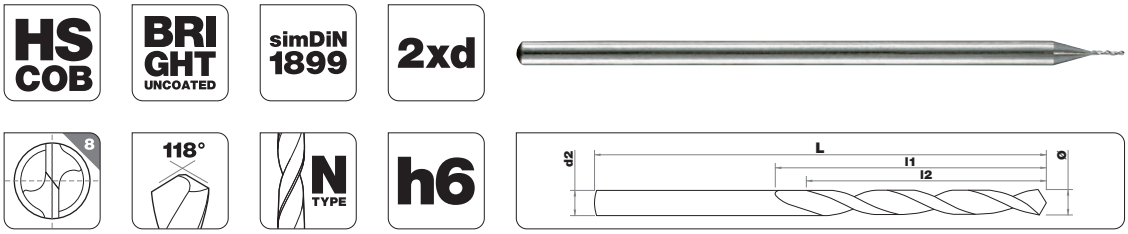
#01

HSS FULLY GROUND MICRO DRILL.

MICRO-BROCA HSS RECTIFICADA CILÍNDRICA.

MICRO-PUNTA CILINDRICA HSS GAMBO RINFORZATO.

#01



For steels and cast irons, accuracy.

Para Aceros y fundiciones.Precisión.

Foratura di acciai <950 N/mm² e ghise, precisione.

AB Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

IJ Cast iron
Fundiciones
Ghisa

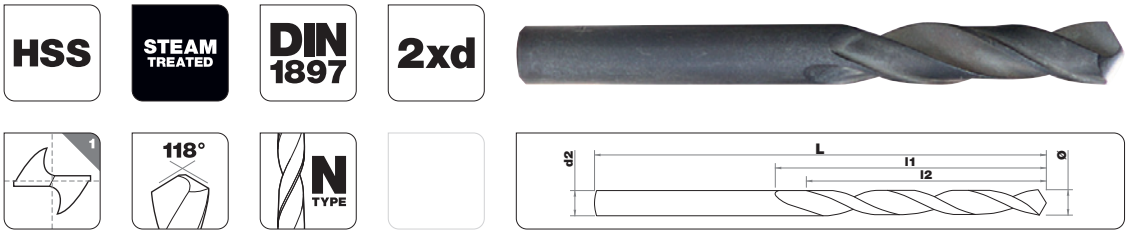
8140321	EAN	Ø	d2	L	l1	QTY	PCB
81403210015	3221910737238	0,15	1,00	25	1	1	10
81403210016	3221910737245	0,16	1,00	25	1	1	10
81403210017	3221910737252	0,17	1,00	25	1	1	10
81403210018	3221910737269	0,18	1,00	25	1	1	10
81403210019	3221910737276	0,19	1,00	25	1	1	10
81403210020	3221910737283	0,20	1,00	25	2	1	10
81403210021	3221910737290	0,21	1,00	25	2	1	10
81403210022	3221910737306	0,22	1,00	25	2	1	10
81403210023	3221910737313	0,23	1,00	25	2	1	10
81403210024	3221910737320	0,24	1,00	25	2	1	10
81403210025	3221910737337	0,25	1,00	25	2	1	10
81403210027	3221910737351	0,27	1,00	25	2	1	10
81403210028	3221910737368	0,28	1,00	25	2	1	10
81403210029	3221910737375	0,29	1,00	25	2	1	10
81403210030	3221910737382	0,30	1,00	25	2	1	10
81403210031	3221910737399	0,31	1,00	25	3	1	10
81403210032	3221910737405	0,32	1,00	25	3	1	10
81403210033	3221910737412	0,33	1,00	25	3	1	10
81403210034	3221910737429	0,34	1,00	25	3	1	10
81403210035	3221910737436	0,35	1,00	25	3	1	10
81403210037	3221910737443	0,37	1,00	25	3	1	10
81403210038	3221910737450	0,38	1,00	25	3	1	10
81403210040	3221910737467	0,40	1,00	25	3	1	10
81403210041	3221910737474	0,41	1,00	25	3	1	10
81403210042	3221910737481	0,42	1,00	25	3	1	10
81403210043	3221910737498	0,43	1,00	25	3	1	10
81403210044	3221910737504	0,44	1,00	25	3	1	10
81403210045	3221910737511	0,45	1,00	25	3	1	10
81403210046	3221910737528	0,46	1,00	25	4	1	10
81403210047	3221910737535	0,47	1,00	25	4	1	10
81403210049	3221910737542	0,49	1,00	25	4	1	10
81403210050	3221910737559	0,50	1,00	25	4	1	10
81403210051	3221910737566	0,51	1,50	25	4	1	10
81403210052	3221910737573	0,52	1,50	25	4	1	10
81403210053	3221910737580	0,53	1,50	25	4	1	10
81403210054	3221910737597	0,54	1,50	25	4	1	10
81403210055	3221910737603	0,55	1,50	25	4	1	10
81403210056	3221910737610	0,56	1,50	25	5	1	10
81403210058	3221910737627	0,58	1,50	25	5	1	10
81403210059	3221910737634	0,59	1,50	25	5	1	10
81403210060	3221910737641	0,60	1,50	25	5	1	10
81403210061	3221910737658	0,61	1,50	25	5	1	10
81403210062	3221910737665	0,62	1,50	25	5	1	10
81403210063	3221910737672	0,63	1,50	25	5	1	10
81403210065	3221910737689	0,65	1,50	25	5	1	10
81403210068	3221910737702	0,68	1,50	25	5	1	10
81403210069	3221910737719	0,69	1,50	25	5	1	10
81403210070	3221910737726	0,70	1,50	25	5	1	10
81403210071	3221910737733	0,71	1,50	25	5	1	10
81403210072	3221910737740	0,72	1,50	25	5	1	10
81403210073	3221910737757	0,73	1,50	25	5	1	10
81403210074	3221910737764	0,74	1,50	25	5	1	10
81403210075	3221910737771	0,75	1,50	25	5	1	10
81403210076	3221910737788	0,76	1,50	25	6	1	10
81403210077	3221910737795	0,77	1,50	25	6	1	10
81403210078	3221910737801	0,78	1,50	25	6	1	10

81403210079	3221910737818	0,79	1,50	25	6	1	10
81403210080	3221910737825	0,80	1,50	25	6	1	10
81403210085	3221910737832	0,85	1,50	25	6	1	10
81403210090	3221910737849	0,90	1,50	25	6	1	10
81403210095	3221910737856	0,95	1,50	25	6	1	10
81403210100	3221910737863	1,00	1,50	25	7	1	10
81403210105	3221910737870	1,05	1,50	25	7	1	10
81403210110	3221910737887	1,10	1,50	25	7	1	10
81403210120	3221910737894	1,20	1,50	25	8	1	10
81403210125	3221910737900	1,25	1,50	25	8	1	10
81403210130	3221910737917	1,30	1,50	25	8	1	10
81403210135	3221910737924	1,35	1,50	25	9	1	10
81403210140	3221910737931	1,40	1,50	25	9	1	10
81403210145	3221910737948	1,45	1,50	25	9	1	10

RK | HSS ROLL FORGED STUB LENGTH DRILL.

RK | BROCA HSS LAMINADA CILINDRICA EXTRACORTA.

RK | PUNTA HSS LAMINATA CILINDRICA EXTRA-CORTA .



For steels.

Para aceros en general.

Foratura acciaio comune.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

90200510100	3221910817619	1,00	1,00	26	6	1	10
90200510150	3221910817633	1,50	1,50	32	9	1	10
90200510200	3221910817688	2,00	2,00	38	12	1	10
90200510220	3221910817701	2,20	2,20	40	13	1	10
90200510250	3221910817749	2,50	2,50	43	14	1	10
90200510270	3221910817763	2,70	2,70	46	16	1	10
90200510280	3221910817787	2,80	2,80	46	16	1	10
90200510300	3221910817800	3,00	3,00	46	16	1	10
90200510310	3221910817817	3,10	3,10	49	18	1	10
90200510320	3221910817824	3,20	3,20	49	18	1	10
90200510330	3221910817848	3,30	3,30	49	18	1	10
90200510340	3221910817855	3,40	3,40	52	20	1	10
90200510350	3221910817862	3,50	3,50	52	20	1	10
90200510400	3221910817923	4,00	4,00	55	22	1	10
90200510420	3221910817947	4,20	4,20	55	22	1	10
90200510430	3221910817961	4,30	4,30	58	24	1	10
90200510450	3221910817985	4,50	4,50	58	24	1	10
90200510470	3221910817992	4,70	4,70	58	24	1	10
90200510480	3221910818005	4,80	4,80	62	26	1	10
90200510500	3221910818029	5,00	5,00	62	26	1	10
90200510510	3221910818036	5,10	5,10	62	26	1	10
90200510520	3221910818043	5,20	5,20	62	26	1	10
90200510550	3221910818074	5,50	5,50	66	28	1	10
90200510600	3221910818111	6,00	6,00	66	28	1	10
90200510620	3221910818128	6,20	6,20	70	31	1	10
90200510650	3221910818135	6,50	6,50	70	31	1	10
90200510680	3221910818142	6,80	6,80	74	34	1	10
90200510700	3221910818159	7,00	7,00	74	34	1	10
90200510750	3221910818173	7,50	7,50	74	34	1	10
90200510800	3221910818197	8,00	8,00	79	37	1	10
90200510850	3221910818210	8,50	8,50	79	37	1	10
90200510900	3221910818234	9,00	9,00	84	40	1	10
90200510950	3221910818258	9,50	9,50	84	40	1	10
90200511000	3221910818272	10,00	10,00	89	43	1	10
90200511050	3221910818296	10,50	10,50	89	43	1	5
90200511200	3221910818357	12,00	12,00	102	51	1	5

HSS FULLY GROUND STUB LENGTH DRILL | T LINE

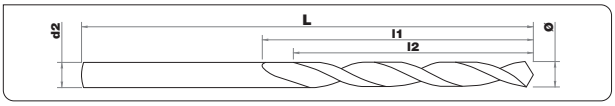
BROCA HSS RECTIFICADA CILÍNDRICA SERIE EXTRA-CORTA | T LINE

PUNTA HSS CILINDRICA EXTRA-CORTA | T LINE

#01

HSS | STEAM TREATED | DIN 1897 | 2xd

4 | 118° | N TYPE | h8



For steels and cast irons.

Para aceros y fundiciones.

Foratura di acciai <950 N/mm² e ghise.

AB
Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

IJ
Cast iron
Fundiciones
Ghisa

1140261	EAN	Ø	d2	L	l1	QTY	PCB
11402610100	3221912002853	1,00	1,00	26	6	1	10
11402610150	3221912002860	1,50	1,50	32	9	1	10
11402610180	3221912002877	1,80	1,80	36	11	1	10
11402610200	3221912002884	2,00	2,00	38	12	1	10
11402610220	3221912002891	2,20	2,20	40	13	1	10
11402610250	3221912002969	2,50	2,50	43	14	1	10
11402610280	3221912002907	2,80	2,80	46	16	1	10
11402610300	3221910153977	3,00	3,00	46	16	1	10
11402610320	3221910154004	3,20	3,20	49	18	1	10
11402610325	3221912002914	3,25	3,25	49	18	1	10
11402610330	3221910154028	3,30	3,30	49	18	1	10
11402610350	3221910154042	3,50	3,50	52	20	1	10
11402610375	3221910154080	3,75	3,75	52	20	1	10
11402610380	3221910154097	3,80	3,80	55	22	1	10
11402610400	3221910154127	4,00	4,00	55	22	1	10
11402610410	3221910154134	4,10	4,10	55	22	1	10
11402610420	3221910154141	4,20	4,20	55	22	1	10
11402610425	3221910154158	4,25	4,25	55	22	1	10
11402610450	3221910154196	4,50	4,50	58	24	1	10
11402610480	3221910154240	4,80	4,80	62	26	1	10
11402610500	3221910154264	5,00	5,00	62	26	1	10
11402610510	3221910154271	5,10	5,10	62	26	1	10
11402610520	3221910154295	5,20	5,20	62	26	1	10
11402610525	3221910154301	5,25	5,25	62	26	1	10
11402610550	3221910154332	5,50	5,50	66	28	1	10
11402610575	3221910154370	5,75	5,75	66	28	1	10
11402610580	3221910154387	5,80	5,80	66	28	1	10
11402610600	3221910154417	6,00	6,00	66	28	1	10
11402610650	3221910154486	6,50	6,50	70	31	1	10
11402610675	3221910924386	6,75	6,75	74	34	1	10
11402610680	3221910154523	6,80	6,80	74	34	1	10
11402610700	3221910154547	7,00	7,00	74	34	1	10
11402610750	3221910154561	7,50	7,50	74	34	1	10
11402610800	3221910154592	8,00	8,00	79	37	1	10
11402610825	3221912002921	8,25	8,25	79	37	1	5
11402610850	3221910154608	8,50	8,50	79	37	1	5
11402610900	3221910154622	9,00	9,00	84	40	1	5
11402610950	3221910154639	9,50	9,50	84	40	1	5
11402611000	3221910154653	10,00	10,00	89	43	1	5
11402611050	3221912002938	10,50	10,50	89	43	1	5
11402611100	3221910154660	11,00	11,00	95	47	1	5
11402611150	3221912002945	11,50	11,50	95	47	1	5
11402611200	3221910154677	12,00	12,00	102	51	1	5
11402611250	3221912002952	12,50	12,50	102	51	1	5
11402611300	3221910154684	13,00	13,00	102	51	1	5

TEK I HSS FULLY GROUND STUB LENGTH DRILL.

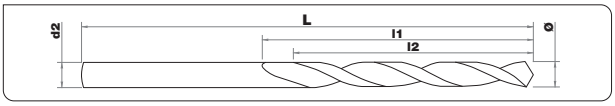
TEK I BROCA HSS RECTIFICADA CILÍNDRICA SERIE EXTRA-CORTA.

TEK I PUNTA HSS CILINDRICA EXTRA-CORTA.

#01

HSS | STEAM TREATED | DIN 1897 | 2xd

118° | N TYPE | h8



For steels and cast irons. Robustness, accuracy.

Para aceros y fundiciones. Fuerza, precisión.

Foratura di acciai <950 N/mm² e ghise. Robustezza e precisione.

AB — Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

C — Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

H — Austenitic stainless steels
Aceros inoxidables austeniticos
Acciai inossidabili austenitici

IJ — Cast iron
Fundiciones
Ghisa

1140251	EAN	Ø	d2	L	l1	QTY	PCB
11402510100	3221910151775	1,00	1,00	26	6	1	10
11402510110	3221910151782	1,10	1,10	28	7	1	10
11402510120	3221910151805	1,20	1,20	30	8	1	10
11402510130	3221910151829	1,30	1,30	30	8	1	10
11402510140	3221910151843	1,40	1,40	32	9	1	10
11402510150	3221910151850	1,50	1,50	32	9	1	10
11402510160	3221910151874	1,60	1,60	34	10	1	10
11402510170	3221910151881	1,70	1,70	34	10	1	10
11402510175	3221910151898	1,75	1,75	36	11	1	10
11402510180	3221910151904	1,80	1,80	36	11	1	10
11402510190	3221910151911	1,90	1,90	36	11	1	10
11402510200	3221910151935	2,00	2,00	38	12	1	10
11402510210	3221910151942	2,10	2,10	38	12	1	10
11402510220	3221910151959	2,20	2,20	40	13	1	10
11402510225	3221910151966	2,25	2,25	40	13	1	10
11402510230	3221910151973	2,30	2,30	40	13	1	10
11402510240	3221910151997	2,40	2,40	43	14	1	10
11402510250	3221910152000	2,50	2,50	43	14	1	10
11402510260	3221910152017	2,60	2,60	43	14	1	10
11402510270	3221910152024	2,70	2,70	46	16	1	10
11402510275	3221910152031	2,75	2,75	46	16	1	10
11402510280	3221910152055	2,80	2,80	46	16	1	10
11402510290	3221910152079	2,90	2,90	46	16	1	10
11402510300	3221910152086	3,00	3,00	46	16	1	10
11402510310	3221910152093	3,10	3,10	49	18	1	10
11402510320	3221910152116	3,20	3,20	49	18	1	10
11402510325	3221910152123	3,25	3,25	49	18	1	10
11402510330	3221910152130	3,30	3,30	49	18	1	10
11402510340	3221910152147	3,40	3,40	52	20	1	10
11402510350	3221910152154	3,50	3,50	52	20	1	10
11402510360	3221910152178	3,60	3,60	52	20	1	10
11402510370	3221910152185	3,70	3,70	52	20	1	10
11402510375	3221910152192	3,75	3,75	52	20	1	10
11402510380	3221910152208	3,80	3,80	55	22	1	10
11402510390	3221910152215	3,90	3,90	55	22	1	10
11402510400	3221910152239	4,00	4,00	55	22	1	10
11402510410	3221910152246	4,10	4,10	55	22	1	10
11402510420	3221910152253	4,20	4,20	55	22	1	10
11402510425	3221910152260	4,25	4,25	55	22	1	10
11402510430	3221910152277	4,30	4,30	58	24	1	10
11402510440	3221910152291	4,40	4,40	58	24	1	10
11402510450	3221910152307	4,50	4,50	58	24	1	10
11402510460	3221910152314	4,60	4,60	58	24	1	10
11402510470	3221910152321	4,70	4,70	58	24	1	10
11402510480	3221910152352	4,80	4,80	62	26	1	10
11402510490	3221910152369	4,90	4,90	62	26	1	10
11402510500	3221910152376	5,00	5,00	62	26	1	10
11402510510	3221910152383	5,10	5,10	62	26	1	10
11402510520	3221910152406	5,20	5,20	62	26	1	10
11402510525	3221910152413	5,25	5,25	62	26	1	10
11402510530	3221910152420	5,30	5,30	62	26	1	10

#01

1140251	EAN	Ø	d2	L	l1	QTY	PCB
11402510540	3221910152437	5,40	5,40	66	28	1	10
11402510550	3221910152444	5,50	5,50	66	28	1	10
11402510560	3221910152468	5,60	5,60	66	28	1	10
11402510570	3221910152475	5,70	5,70	66	28	1	10
11402510575	3221910152482	5,75	5,75	66	28	1	10
11402510580	3221910152499	5,80	5,80	66	28	1	10
11402510590	3221910152505	5,90	5,90	66	28	1	10
11402510600	3221910152529	6,00	6,00	66	28	1	10
11402510610	3221910152536	6,10	6,10	70	31	1	10
11402510620	3221910152543	6,20	6,20	70	31	1	10
11402510625	3221910152550	6,25	6,25	70	31	1	10
11402510630	3221910152567	6,30	6,30	70	31	1	10
11402510640	3221910152581	6,40	6,40	70	31	1	10
11402510650	3221910152598	6,50	6,50	70	31	1	10
11402510660	3221910152604	6,60	6,60	70	31	1	10
11402510670	3221910152611	6,70	6,70	70	31	1	10
11402510675	3221910152628	6,75	6,75	74	34	1	10
11402510680	3221910152635	6,80	6,80	74	34	1	10
11402510690	3221910152642	6,90	6,90	74	34	1	10
11402510700	3221910152659	7,00	7,00	74	34	1	10
11402510720	3221910152680	7,20	7,20	74	34	1	10
11402510750	3221910152710	7,50	7,50	74	34	1	10
11402510780	3221910152758	7,80	7,80	79	37	1	10
11402510800	3221910152789	8,00	8,00	79	37	1	10
11402510820	3221910152796	8,20	8,20	79	37	1	5
11402510850	3221910152826	8,50	8,50	79	37	1	5
11402510880	3221910152871	8,80	8,80	84	40	1	5
11402510900	3221910152888	9,00	9,00	84	40	1	5
11402510950	3221910152895	9,50	9,50	84	40	1	5
11402511000	3221910152925	10,00	10,00	89	43	1	5
11402511050	3221910152963	10,50	10,50	89	43	1	5
11402511100	3221910152970	11,00	11,00	95	47	1	5
11402511150	3221910152987	11,50	11,50	95	47	1	5
11402511200	3221910152994	12,00	12,00	102	51	1	5
11402511250	3221910153007	12,50	12,50	102	51	1	5
11402511300	3221910153021	13,00	13,00	102	51	1	5
11402511350	3221910153038	13,50	13,50	107	54	1	5
11402511400		14,00	14,00	107	54	1	5
11402511450		14,50	14,50	111	56	1	5
11402511500	3221910153052	15,00	15,00	111	56	1	5
11402511600		16,00	16,00	115	58	1	1
11402511700		17,00	17,00	119	60	1	1
11402511800	3221910153090	18,00	18,00	123	62	1	1
11402511900	3221910153106	19,00	19,00	127	64	1	1
11402512000		20,00	20,00	131	66	1	1

TXD | HSS FULLY GROUND DOUBLE ENDED STUB LENGTH DRILL

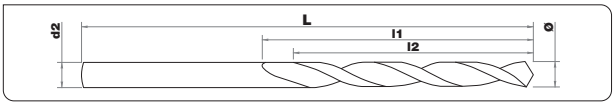
TXD | BROCA HSS RECTIFICADA DOBLE PUNTA.

TXD | PUNTA HSS CILINDRICA DOPPIO TAGLIO.

#01

HSS | STEAM TREATED | TIVOLY NORM | 1xd

4 | 118° | N TYPE | h8



For steels and cast irons. Comfort, accuracy.

Para aceros y fundiciones. Confort, precisión.

Foratura di acciai <950 N/mm² e ghise. Comfort e precisione.

AB

Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

C

Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

H

Austenitic stainless steels
Aceros inoxidables austeniticos
Acciai inossidabili austenitici

IJ

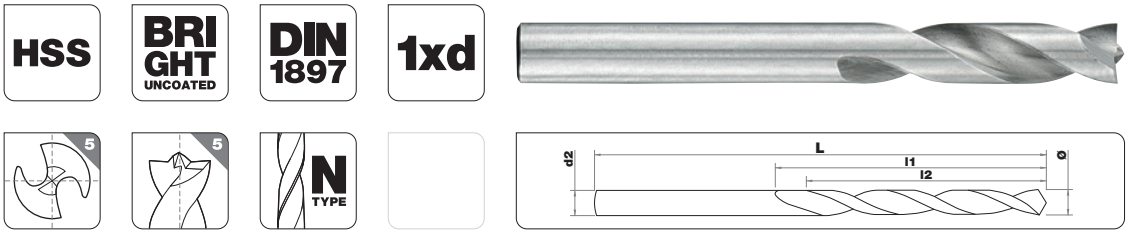
Cast iron
Fundiciones
Ghisa

1140271	EAN	Ø	d2	L	l1	QTY	PCB
11402710200	3221910154936	2,00	2,00	38	10	1	10
11402710220	3221910154943	2,20	2,20	40	10	1	10
11402710250	3221910154967	2,50	2,50	43	10	1	10
11402710300	3221910155001	3,00	3,00	46	10	1	10
11402710310	3221910155018	3,10	3,10	49	10	1	10
11402710320	3221910155025	3,20	3,20	49	10	1	10
11402710330	3221910155056	3,30	3,30	49	10	1	10
11402710350	3221910155070	3,50	3,50	52	13	1	10
11402710380	3221910155094	3,80	3,80	55	13	1	10
11402710400	3221910155100	4,00	4,00	55	13	1	10
11402710410	3221910155117	4,10	4,10	55	13	1	10
11402710420	3221910155124	4,20	4,20	55	13	1	10
11402710450	3221910155155	4,50	4,50	58	13	1	10
11402710480	3221910155162	4,80	4,80	62	16	1	10
11402710490	3221910155179	4,90	4,90	62	16	1	10
11402710500	3221910155186	5,00	5,00	62	16	1	10
11402710510	3221910155193	5,10	5,10	62	16	1	10
11402710520	3221910155209	5,20	5,20	62	16	1	10
11402710550	3221910155223	5,50	5,50	66	19	1	10
11402710600	3221910155247	6,00	6,00	66	19	1	10
11402710650	3221910155261	6,50	6,50	70	19	1	10
11402710700	3221910155278	7,00	7,00	74	19	1	10
11402710750	3221910155285	7,50	7,50	74	19	1	10
11402710800	3221910155292	8,00	8,00	79	22	1	10
11402710900	3221910155315	9,00	9,00	84	22	1	5
11402711000	3221910155339	10,00	10,00	89	22	1	5

TPX | HSS FULLY GROUND STUB LENGTH DRILL.

TPX | BROCA HSS RECTIFICADA CILÍNDRICA.

TPX | PUNTA HSS CILINDRICA CON CUSPIDE PER LAMIERA.



For sheet metal and plastics. Comfort accuracy.

Para chapas y plásticos. Confort, precisión.

Foratura e pulitura di lamiere e mat. plastici. Comfort e precisione.

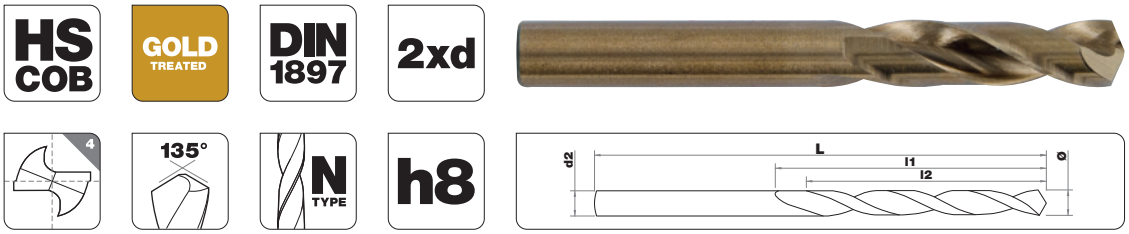
Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

1143741	EAN	Ø	d2	L	l1	QTY	PCB
11437410300	3221910213640	3,00	3,00	46	16	1	10
11437410330	3221910213657	3,30	3,30	49	18	1	10
11437410350	3221910213664	3,50	3,50	52	20	1	10
11437410400	3221910213671	4,00	4,00	55	22	1	10
11437410420	3221910213688	4,20	4,20	55	22	1	10
11437410450	3221910213695	4,50	4,50	58	24	1	10
11437410500	3221910213701	5,00	5,00	62	26	1	10
11437410520	3221910213718	5,20	5,20	62	26	1	10
11437410550	3221910213725	5,50	5,50	66	28	1	10
11437410600	3221910213732	6,00	6,00	66	28	1	10
11437410800	3221910213749	8,00	8,00	79	37	1	10
11437411000	3221910213756	10,00	10,00	89	43	1	5

HSCOB FULLY GROUND STUB LENGTH DRILL | T LINE

BROCA HSCOB RECTIFICADA CILÍNDRICA SERIE EXTRA-CORTA | T LINE

PUNTA HSCOB CILINDRICA EXTRA-CORTA | T LINE



For steels and austenitic stainless steels.

Para aceros y aceros inoxidables austeníticos.

Foratura acciai e acciai inossidabili austenitici.

Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

1140281	EAN	Ø	d3	L	l2	QTY	PCB
11402810200	3221912002983	2,00	2,00	49	24	1	10
11402810220	3221912002976	2,20	2,20	53	27	1	10
11402810250	3221912002990	2,50	2,50	57	30	1	10
11402810275	3221912003003	2,75	2,75	61	33	1	10
11402810300	3221912003010	3,00	3,00	61	33	1	10
11402810320	3221912003027	3,20	3,20	65	36	1	10
11402810325	3221912003034	3,25	3,25	65	36	1	10
11402810330	3221912003041	3,30	3,30	65	36	1	10
11402810350	3221912003058	3,50	3,50	70	39	1	10
11402810375	3221912003065	3,75	3,75	70	39	1	10
11402810400	3221912003072	4,00	4,00	75	43	1	10
11402810410	3221912003089	4,10	4,10	75	43	1	10
11402810420	3221912003096	4,20	4,20	75	43	1	10
11402810425	3221912003102	4,25	4,25	75	43	1	10
11402810450	3221912003119	4,50	4,50	80	47	1	10
11402810490	3221912003126	4,90	4,90	86	52	1	10
11402810500	3221912003133	5,00	5,00	86	52	1	10

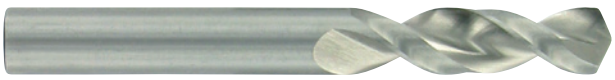
1140281	EAN	Ø	d3	L	l2	QTY	PCB
11402810525	3221912003140	5,25	5,25	86	52	1	10
11402810550	3221912003157	5,50	5,50	93	57	1	10
11402810600	3221912003164	6,00	6,00	93	57	1	10
11402810650	3221912003171	6,50	6,50	101	63	1	10
11402810680	3221912003188	6,80	6,80	109	69	1	10
11402810700	3221912003195	7,00	7,00	109	69	1	10
11402810750	3221912003201	7,50	7,50	109	69	1	10
11402810800	3221912003218	8,00	8,00	117	75	1	10
11402810850	3221912003225	8,50	8,50	117	75	1	5
11402810900	3221912003232	9,00	9,00	125	81	1	5
11402810950	3221912003249	9,50	9,50	125	81	1	5
11402811000	3221912003256	10,00	10,00	133	87	1	5

PHOENIX | HSCOB FULLY GROUND STUB LENGTH DRILL. TYPE S

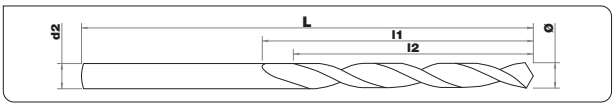
PHOENIX | BROCA HSCOB RECTIFICADA CILÍNDRICA SERIE EXTRA-CORTA. TIPO S

PHOENIX | PUNTA HSCOB CILINDRICA EXTRA-CORTA | TIPO S

HS COB | BRIGHT UNCOATED | DIN 1897 | 2xd



2 | 130° | S TYPE | h8



For deep holes. Universal application. High Performance.

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AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

FGH Stainless Steels
Aceros inoxidables
Acciai inossidabili

J SG iron
Fundición nodular
Ghisa GS

M Aluminium alloys Si>10%
Aleaciones de aluminio Si>10%
Leghe di alluminio Si >10%

8140291	EAN	Ø	d2	L	l1	QTY	PCB
81402910200	3221910430290	2,00	2,00	38	12	1	10
81402910210	3221910430306	2,10	2,10	38	12	1	10
81402910220	3221910430313	2,20	2,20	40	13	1	10
81402910230	3221910430320	2,30	2,30	40	13	1	10
81402910240	3221910430337	2,40	2,40	43	14	1	10
81402910250	3221910430344	2,50	2,50	43	14	1	10
81402910260	3221910430351	2,60	2,60	43	14	1	10
81402910270	3221910430368	2,70	2,70	46	16	1	10
81402910280	3221910430375	2,80	2,80	46	16	1	10
81402910290	3221910430382	2,90	2,90	46	16	1	10
81402910300	3221910430399	3,00	3,00	46	16	1	10
81402910310	3221910430405	3,10	3,10	49	18	1	10
81402910320	3221910430412	3,20	3,20	49	18	1	10
81402910330	3221910430436	3,30	3,30	49	18	1	10
81402910340	3221910430443	3,40	3,40	52	20	1	10
81402910350	3221910430450	3,50	3,50	52	20	1	10
81402910360	3221910430467	3,60	3,60	52	20	1	10
81402910370	3221910430481	3,70	3,70	52	20	1	10
81402910380	3221910430498	3,80	3,80	55	22	1	10
81402910390	3221910430504	3,90	3,90	55	22	1	10
81402910400	3221910430511	4,00	4,00	55	22	1	10
81402910410	3221910430528	4,10	4,10	55	22	1	10
81402910420	3221910430535	4,20	4,20	55	22	1	10
81402910430	3221910430542	4,30	4,30	58	24	1	10
81402910440	3221910430559	4,40	4,40	58	24	1	10
81402910450	3221910430566	4,50	4,50	58	24	1	10
81402910460	3221910430573	4,60	4,60	58	24	1	10
81402910470	3221910430580	4,70	4,70	58	24	1	10
81402910480	3221910430597	4,80	4,80	62	26	1	10
81402910490	3221910430603	4,90	4,90	62	26	1	10
81402910500	3221910430610	5,00	5,00	62	26	1	10
81402910510	3221910430627	5,10	5,10	62	26	1	10
81402910520	3221910430634	5,20	5,20	62	26	1	10
81402910530	3221910430641	5,30	5,30	62	26	1	10
81402910540	3221910430658	5,40	5,40	66	28	1	10
81402910550	3221910430665	5,50	5,50	66	28	1	10
81402910560	3221910430672	5,60	5,60	66	28	1	10

#01

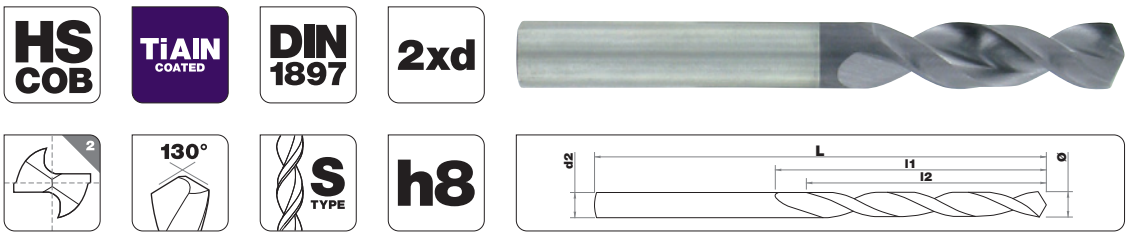
81402910570	3221910430689	5,70	5,70	66	28	1	10
81402910580	3221910430696	5,80	5,80	66	28	1	10
81402910590	3221910430702	5,90	5,90	66	28	1	10
81402910600	3221910430719	6,00	6,00	66	28	1	10
81402910610	3221910430726	6,10	6,10	70	31	1	10
81402910620	3221910430733	6,20	6,20	70	31	1	10
81402910630	3221910430740	6,30	6,30	70	31	1	10
81402910640	3221910430757	6,40	6,40	70	31	1	10
81402910650	3221910430764	6,50	6,50	70	31	1	10
81402910660	3221910430771	6,60	6,60	70	31	1	10
81402910670	3221910430788	6,70	6,70	70	31	1	10
81402910680	3221910430801	6,80	6,80	74	34	1	10
81402910690	3221910430818	6,90	6,90	74	34	1	10
81402910700	3221910430825	7,00	7,00	74	34	1	10
81402910710	3221910430832	7,10	7,10	74	34	1	10
81402910720	3221910430849	7,20	7,20	74	34	1	10
81402910730	3221910430856	7,30	7,30	74	34	1	10
81402910740	3221910430863	7,40	7,40	74	34	1	10
81402910750	3221910430870	7,50	7,50	74	34	1	10
81402910760	3221910430887	7,60	7,60	79	37	1	10
81402910770	3221910430894	7,70	7,70	79	37	1	10
81402910780	3221910430900	7,80	7,80	79	37	1	10
81402910790	3221910430917	7,90	7,90	79	37	1	10
81402910800	3221910430924	8,00	8,00	79	37	1	10
81402910810	3221910430931	8,10	8,10	79	37	1	5
81402910820	3221910430948	8,20	8,20	79	37	1	5
81402910830	3221910430955	8,30	8,30	79	37	1	5
81402910840	3221910430962	8,40	8,40	79	37	1	5
81402910850	3221910430979	8,50	8,50	79	37	1	5
81402910860	3221910430986	8,60	8,60	84	40	1	5
81402910870	3221910430993	8,70	8,70	84	40	1	5
81402910880	3221910431006	8,80	8,80	84	40	1	5
81402910890	3221910431013	8,90	8,90	84	40	1	5
81402910900	3221910431020	9,00	9,00	84	40	1	5
81402910910	3221910431037	9,10	9,10	84	40	1	5
81402910920	3221910431044	9,20	9,20	84	40	1	5
81402910930	3221910431051	9,30	9,30	84	40	1	5
81402910940	3221910431068	9,40	9,40	84	40	1	5
81402910950	3221910431075	9,50	9,50	84	40	1	5
81402910960	3221910431082	9,60	9,60	89	43	1	5
81402910970	3221910431099	9,70	9,70	89	43	1	5
81402910980	3221910431105	9,80	9,80	89	43	1	5
81402910990	3221910431112	9,90	9,90	89	43	1	5
81402911000	3221910431129	10,00	10,00	89	43	1	5
81402911010	3221910431136	10,10	10,10	89	43	1	5
81402911020	3221910431143	10,20	10,20	89	43	1	5
81402911030	3221910431150	10,30	10,30	89	43	1	5
81402911040	3221910431167	10,40	10,40	89	43	1	5
81402911050	3221910431174	10,50	10,50	89	43	1	5
81402911060	3221910431181	10,60	10,60	89	43	1	5
81402911070	3221910431198	10,70	10,70	95	47	1	5
81402911080	3221910431204	10,80	10,80	95	47	1	5
81402911090	3221910431211	10,90	10,90	95	47	1	5
81402911100	3221910431228	11,00	11,00	95	47	1	5
81402911110	3221910431235	11,10	11,10	95	47	1	5
81402911120	3221910431242	11,20	11,20	95	47	1	5
81402911130	3221910431259	11,30	11,30	95	47	1	5
81402911140	3221910431266	11,40	11,40	95	47	1	5
81402911150	3221910431273	11,50	11,50	95	47	1	5
81402911160	3221910431280	11,60	11,60	95	47	1	5
81402911170	3221910431297	11,70	11,70	95	47	1	5
81402911180	3221910431303	11,80	11,80	95	47	1	5
81402911190	3221910431310	11,90	11,90	102	51	1	5
81402911200	3221910431327	12,00	12,00	102	51	1	5
81402911210	3221910431334	12,10	12,10	102	51	1	5
81402911220	3221910431341	12,20	12,20	102	51	1	5
81402911230	3221910431358	12,30	12,30	102	51	1	5
81402911240	3221910431365	12,40	12,40	102	51	1	5
81402911250	3221910431372	12,50	12,50	102	51	1	5
81402911260	3221910431389	12,60	12,60	102	51	1	5
81402911270	3221910431396	12,70	12,70	102	51	1	5
81402911280	3221910431402	12,80	12,80	102	51	1	5
81402911290	3221910431419	12,90	12,90	102	51	1	5
81402911300	3221910431426	13,00	13,00	102	51	1	5
81402911350	3221910431433	13,50	13,50	107	54	1	5
81402911400	3221910431440	14,00	14,00	107	54	1	5
81402911450	3221910431457	14,50	14,50	111	56	1	5
81402911500	3221910431464	15,00	15,00	111	56	1	5
81402911550	3221910431471	15,50	15,50	115	58	1	1
81402911600	3221910431488	16,00	16,00	115	58	1	1
81402911650	3221910431495	16,50	16,50	119	60	1	1

8140291	EAN	Ø	d2	L	l1	QTY	PCB
81402911700	3221910431501	17,00	17,00	119	60	1	1
81402911750	3221910431518	17,50	17,50	123	62	1	1
81402911800	3221910431525	18,00	18,00	123	62	1	1
81402911850	3221910431532	18,50	18,50	127	64	1	1
81402911900	3221910431549	19,00	19,00	127	64	1	1
81402911950	3221910431556	19,50	19,50	131	66	1	1
81402912000	3221910431563	20,00	20,00	131	66	1	1

PHOENIX | HSCOB TIALN FULLY GROUND STUB LENGTH DRILL. TYPE S

PHOENIX | BROCA HSCOB TIALN RECTIFICADA CILÍNDRICA SERIE EXTRA-CORTA. TIPO S

PHOENIX | PUNTA HSCOB TIALN CILINDRICA EXTRA-CORTA | TIPO S



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M Aluminium alloys Si>10%
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8143911	EAN	Ø	d2	L	l1	QTY	PCB
81439110200	3221910783655	2,00	2,00	38	12	1	10
81439110210	3221910783662	2,10	2,10	38	12	1	10
81439110220	3221910783679	2,20	2,20	40	13	1	10
81439110230	3221910783686	2,30	2,30	40	13	1	10
81439110240	3221910783693	2,40	2,40	43	14	1	10
81439110250	3221910783709	2,50	2,50	43	14	1	10
81439110260	3221910783716	2,60	2,60	43	14	1	10
81439110270	3221910783723	2,70	2,70	46	16	1	10
81439110280	3221910783730	2,80	2,80	46	16	1	10
81439110290	3221910783747	2,90	2,90	46	16	1	10
81439110300	3221910783754	3,00	3,00	46	16	1	10
81439110310	3221910783761	3,10	3,10	49	18	1	10
81439110320	3221910783778	3,20	3,20	49	18	1	10
81439110330	3221910783785	3,30	3,30	49	18	1	10
81439110340	3221910783792	3,40	3,40	52	20	1	10
81439110350	3221910783808	3,50	3,50	52	20	1	10
81439110360	3221910783815	3,60	3,60	52	20	1	10
81439110370	3221910783822	3,70	3,70	52	20	1	10
81439110380	3221910783839	3,80	3,80	55	22	1	10
81439110390	3221910783846	3,90	3,90	55	22	1	10
81439110400	3221910783853	4,00	4,00	55	22	1	10
81439110410	3221910783860	4,10	4,10	55	22	1	10
81439110420	3221910783877	4,20	4,20	55	22	1	10
81439110430	3221910783884	4,30	4,30	58	24	1	10
81439110440	3221910783891	4,40	4,40	58	24	1	10
81439110450	3221910783907	4,50	4,50	58	24	1	10
81439110460	3221910783914	4,60	4,60	58	24	1	10
81439110470	3221910783921	4,70	4,70	58	24	1	10
81439110480	3221910783938	4,80	4,80	62	26	1	10
81439110490	3221910783945	4,90	4,90	62	26	1	10
81439110500	3221910783952	5,00	5,00	62	26	1	10
81439110510	3221910783969	5,10	5,10	62	26	1	10
81439110520	3221910783976	5,20	5,20	62	26	1	10
81439110530	3221910783983	5,30	5,30	62	26	1	10
81439110540	3221910783990	5,40	5,40	66	28	1	10
81439110550	3221910784003	5,50	5,50	66	28	1	10
81439110560	3221910784010	5,60	5,60	66	28	1	10
81439110570	3221910784027	5,70	5,70	66	28	1	10
81439110580	3221910784034	5,80	5,80	66	28	1	10
81439110590	3221910784041	5,90	5,90	66	28	1	10
81439110600	3221910784058	6,00	6,00	66	28	1	10

#01

8143911	EAN	Ø	d2	L	l1	QTY	PCB
81439110610	3221910784065	6,10	6,10	70	31	1	10
81439110620	3221910784072	6,20	6,20	70	31	1	10
81439110630	3221910784089	6,30	6,30	70	31	1	10
81439110640	3221910784096	6,40	6,40	70	31	1	10
81439110650	3221910784102	6,50	6,50	70	31	1	10
81439110660	3221910784119	6,60	6,60	70	31	1	10
81439110670	3221910784126	6,70	6,70	70	31	1	10
81439110680	3221910784133	6,80	6,80	74	34	1	10
81439110690	3221910784140	6,90	6,90	74	34	1	10
81439110700	3221910784157	7,00	7,00	74	34	1	10
81439110710	3221910784164	7,10	7,10	74	34	1	10
81439110720	3221910784171	7,20	7,20	74	34	1	10
81439110730	3221910784188	7,30	7,30	74	34	1	10
81439110740	3221910784195	7,40	7,40	74	34	1	10
81439110750	3221910784201	7,50	7,50	74	34	1	10
81439110760	3221910784218	7,60	7,60	79	37	1	10
81439110770	3221910784225	7,70	7,70	79	37	1	10
81439110780	3221910784232	7,80	7,80	79	37	1	10
81439110790	3221910784249	7,90	7,90	79	37	1	10
81439110800	3221910784256	8,00	8,00	79	37	1	10
81439110810	3221910784263	8,10	8,10	79	37	1	5
81439110820	3221910784270	8,20	8,20	79	37	1	5
81439110830	3221910784287	8,30	8,30	79	37	1	5
81439110840	3221910784294	8,40	8,40	79	37	1	5
81439110850	3221910784300	8,50	8,50	79	37	1	5
81439110860	3221910784317	8,60	8,60	84	40	1	5
81439110870	3221910784324	8,70	8,70	84	40	1	5
81439110880	3221910784331	8,80	8,80	84	40	1	5
81439110890	3221910784348	8,90	8,90	84	40	1	5
81439110900	3221910784355	9,00	9,00	84	40	1	5
81439110910	3221910784362	9,10	9,10	84	40	1	5
81439110920	3221910784379	9,20	9,20	84	40	1	5
81439110930	3221910784386	9,30	9,30	84	40	1	5
81439110940	3221910784393	9,40	9,40	84	40	1	5
81439110950	3221910784409	9,50	9,50	84	40	1	5
81439110960	3221910784416	9,60	9,60	89	43	1	5
81439110970	3221910784423	9,70	9,70	89	43	1	5
81439110980	3221910784430	9,80	9,80	89	43	1	5
81439110990	3221910784447	9,90	9,90	89	43	1	5
81439111000	3221910784454	10,00	10,00	89	43	1	5
81439111010	3221910784461	10,10	10,10	89	43	1	5
81439111020	3221910784478	10,20	10,20	89	43	1	5
81439111030	3221910784485	10,30	10,30	89	43	1	5
81439111040	3221910784492	10,40	10,40	89	43	1	5
81439111050	3221910784508	10,50	10,50	89	43	1	5
81439111060	3221910784515	10,60	10,60	89	43	1	5
81439111070	3221910784522	10,70	10,70	95	47	1	5
81439111080	3221910784539	10,80	10,80	95	47	1	5
81439111090	3221910784546	10,90	10,90	95	47	1	5
81439111100	3221910784553	11,00	11,00	95	47	1	5
81439111110	3221910784560	11,10	11,10	95	47	1	5
81439111120	3221910784577	11,20	11,20	95	47	1	5
81439111130	3221910784584	11,30	11,30	95	47	1	5
81439111140	3221910784591	11,40	11,40	95	47	1	5
81439111150	3221910784607	11,50	11,50	95	47	1	5
81439111160	3221910784614	11,60	11,60	95	47	1	5
81439111170	3221910784621	11,70	11,70	95	47	1	5
81439111180	3221910784638	11,80	11,80	95	47	1	5
81439111190	3221910784645	11,90	11,90	102	51	1	5
81439111200	3221910784652	12,00	12,00	102	51	1	5
81439111210	3221910784669	12,10	12,10	102	51	1	5
81439111220	3221910784676	12,20	12,20	102	51	1	5
81439111230	3221910784683	12,30	12,30	102	51	1	5
81439111240	3221910784690	12,40	12,40	102	51	1	5
81439111250	3221910784706	12,50	12,50	102	51	1	5
81439111260	3221910784713	12,60	12,60	102	51	1	5
81439111270	3221910784720	12,70	12,70	102	51	1	5
81439111280	3221910784737	12,80	12,80	102	51	1	5
81439111290	3221910784744	12,90	12,90	102	51	1	5
81439111300	3221910784751	13,00	13,00	102	51	1	5
81439111350	3221910784768	13,50	13,50	107	54	1	5
81439111400	3221910784775	14,00	14,00	107	54	1	5
81439111450	3221910784782	14,50	14,50	111	56	1	5
81439111500	3221910784799	15,00	15,00	111	56	1	5
81439111550	3221910784805	15,50	15,50	115	58	1	1
81439111600	3221910784812	16,00	16,00	115	58	1	1
81439111650	3221910784829	16,50	16,50	119	60	1	1
81439111700	3221910784836	17,00	17,00	119	60	1	1
81439111750	3221910784843	17,50	17,50	123	62	1	1
81439111800	3221910784850	18,00	18,00	123	62	1	1
81439111850	3221910784867	18,50	18,50	127	64	1	1

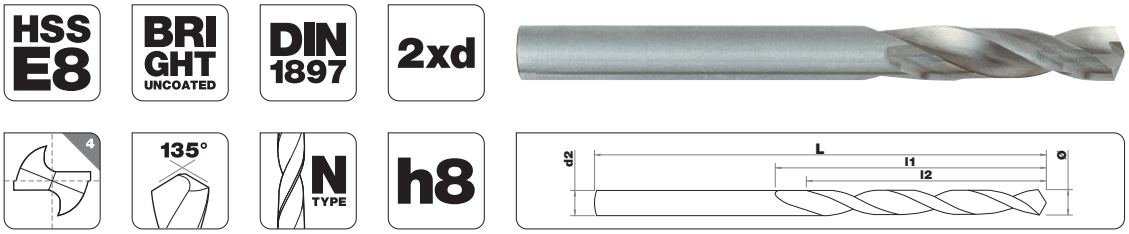
8143911	EAN	Ø	d2	L	l1	QTY	PCB
81439111900	3221910784874	19,00	19,00	127	64	1	1
81439111950	3221910784881	19,50	19,50	131	66	1	1
81439112000	3221910784898	20,00	20,00	131	66	1	1

#01

HSS-E8 (M42) FULLY GROUND STUB LENGTH DRILL.

BROCA HSS-E8 (M42) RECTIFICADA CILÍNDRICA EXTRA-CORTA

PUNTA HSS-E8 CILINDRICA EXTRA-CORTA. TIPO N



For Special alloys Nickel/Cobalt and titanium. High Performance.

Para aleaciones Nickel / Cobalt y Titanio. Alto rendimiento.

Foratura leghe nichel/cobalto e titanio. Alte prestazioni.

Ni / Co based special alloys

Aleaciones refractarias Co / Ni

Leghe refrattarie Co / Ni

Titanium alloys

Aleaciones de titanio

Leghe di titanio

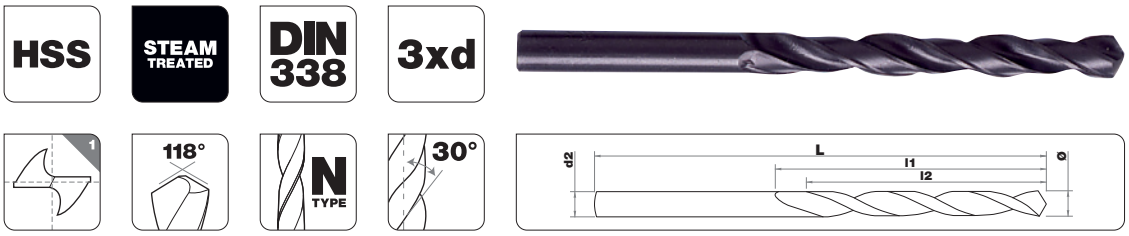
8140311	EAN	Ø	d2	L	l1	QTY	PCB
81403110200	3221910735753	2,00	2,00	38	12	1	10
81403110210	3221910735760	2,10	2,10	38	12	1	10
81403110220	3221910735777	2,20	2,20	40	13	1	10
81403110230	3221910735784	2,30	2,30	40	13	1	10
81403110240	3221910735791	2,40	2,40	43	14	1	10
81403110250	3221910735807	2,50	2,50	43	14	1	10
81403110260	3221910735814	2,60	2,60	43	14	1	10
81403110270	3221910735821	2,70	2,70	46	16	1	10
81403110280	3221910735838	2,80	2,80	46	16	1	10
81403110290	3221910735845	2,90	2,90	46	16	1	10
81403110300	3221910735852	3,00	3,00	46	16	1	10
81403110310	3221910735869	3,10	3,10	49	18	1	10
81403110320	3221910735876	3,20	3,20	49	18	1	10
81403110330	3221910735883	3,30	3,30	49	18	1	10
81403110340	3221910735890	3,40	3,40	52	20	1	10
81403110350	3221910735906	3,50	3,50	52	20	1	10
81403110360	3221910735913	3,60	3,60	52	20	1	10
81403110370	3221910735920	3,70	3,70	52	20	1	10
81403110380	3221910735937	3,80	3,80	55	22	1	10
81403110390	3221910735944	3,90	3,90	55	22	1	10
81403110400	3221910735951	4,00	4,00	55	22	1	10
81403110410	3221910735968	4,10	4,10	55	22	1	10
81403110420	3221910735975	4,20	4,20	55	22	1	10
81403110430	3221910735982	4,30	4,30	58	24	1	10
81403110440	3221910735999	4,40	4,40	58	24	1	10
81403110450	3221910736002	4,50	4,50	58	24	1	10
81403110460	3221910736019	4,60	4,60	58	24	1	10
81403110470	3221910736026	4,70	4,70	58	24	1	10
81403110480	3221910736033	4,80	4,80	62	26	1	10
81403110490	3221910736040	4,90	4,90	62	26	1	10
81403110500	3221910736057	5,00	5,00	62	26	1	10
81403110510	3221910736064	5,10	5,10	62	26	1	10
81403110520	3221910736071	5,20	5,20	62	26	1	10
81403110530	3221910736088	5,30	5,30	62	26	1	10
81403110540	3221910736095	5,40	5,40	66	28	1	10
81403110550	3221910736101	5,50	5,50	66	28	1	10
81403110560	3221910736118	5,60	5,60	66	28	1	10
81403110570	3221910736125	5,70	5,70	66	28	1	10
81403110580	3221910736132	5,80	5,80	66	28	1	10
81403110590	3221910736149	5,90	5,90	66	28	1	10
81403110600	3221910736156	6,00	6,00	66	28	1	10
81403110610	3221910736163	6,10	6,10	70	31	1	10
81403110620	3221910736170	6,20	6,20	70	31	1	10
81403110630	3221910736187	6,30	6,30	70	31	1	10
81403110640	3221910736194	6,40	6,40	70	31	1	10
81403110650	3221910736200	6,50	6,50	70	31	1	10
81403110660	3221910736217	6,60	6,60	70	31	1	10
81403110670	3221910736224	6,70	6,70	70	31	1	10
81403110680	3221910736231	6,80	6,80	74	34	1	10
81403110690	3221910736248	6,90	6,90	74	34	1	10
81403110700	3221910736255	7,00	7,00	74	34	1	10

8140311	EAN	Ø	d2	L	l1	QTY	PCB
81403110720	3221910736262	7,20	7,20	74	34	1	10
81403110750	3221910736279	7,50	7,50	74	34	1	10
81403110780	3221910736286	7,80	7,80	79	37	1	10
81403110800	3221910736293	8,00	8,00	79	37	1	10
81403110820	3221910736309	8,20	8,20	79	37	1	5
81403110850	3221910736316	8,50	8,50	79	37	1	5
81403110880	3221910736323	8,80	8,80	84	40	1	5
81403110900	3221910736330	9,00	9,00	84	40	1	5
81403110950	3221910736347	9,50	9,50	84	40	1	5
81403111000	3221910736354	10,00	10,00	89	43	1	5
81403111050	3221910736361	10,50	10,50	89	43	1	5
81403111100	3221910736378	11,00	11,00	95	47	1	5
81403111150	3221910736385	11,50	11,50	95	47	1	5
81403111200	3221910736392	12,00	12,00	102	51	1	5
81403111250	3221910736408	12,50	12,50	102	51	1	5
81403111300	3221910736415	13,00	13,00	102	51	1	5
81403111350	3221910736422	13,50	13,50	107	54	1	5
81403111400	3221910736439	14,00	14,00	107	54	1	5
81403111450	3221910736446	14,50	14,50	111	56	1	5
81403111500	3221910736453	15,00	15,00	111	56	1	5
81403111550	3221910736460	15,50	15,50	115	58	1	1
81403111600	3221910736477	16,00	16,00	115	58	1	1

R | HSS ROLL FORGED JOBBER LENGTH DRILL.

R | BROCA HSS LAMINADA CILÍNDRICA. SERIE CORTA.

R | PUNTA LAMINATA CILINDRICA CORTA.



For steels.

Para aceros en general.

Foratura acciaio comune.

A

Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

9020011	EAN	Ø	d2	L	l1	QTY	PCB
90200110050	3221910100346	0,50	0,50	22	6	1	10
90200110060	3221910100353	0,60	0,60	24	7	1	10
90200110070	3221910100360	0,70	0,70	28	9	1	10
90200110075	3221910100377	0,75	0,75	28	9	1	10
90200110080	3221910100384	0,80	0,80	30	10	1	10
90200110090	3221910100391	0,90	0,90	32	11	1	10
90200110100	3221910813673	1,00	1,00	32	11	1	10
90200110110	3221910100414	1,10	1,10	36	14	1	10
90200110120	3221910100421	1,20	1,20	38	16	1	10
90200110125	3221910100438	1,25	1,25	38	16	1	10
90200110130	3221910100445	1,30	1,30	38	16	1	10
90200110140	3221910100452	1,40	1,40	40	18	1	10
90200110150	3221910813680	1,50	1,50	40	18	1	10
90200110160	3221910100476	1,60	1,60	43	20	1	10
90200110170	3221910100483	1,70	1,70	43	20	1	10
90200110175	3221910100490	1,75	1,75	46	22	1	10
90200110180	3221910100506	1,80	1,80	46	22	1	10
90200110190	3221910100513	1,90	1,90	46	22	1	10
90200110200	3221910813697	2,00	2,00	49	24	1	10
90200110210	3221910100537	2,10	2,10	49	24	1	10
90200110220	3221910100544	2,20	2,20	53	27	1	10
90200110225	3221910100551	2,25	2,25	53	27	1	10
90200110230	3221910100568	2,30	2,30	53	27	1	10
90200110240	3221910100575	2,40	2,40	57	30	1	10
90200110250	3221910813703	2,50	2,50	57	30	1	10
90200110260	3221910100599	2,60	2,60	57	30	1	10
90200110270	3221910100605	2,70	2,70	61	33	1	10
90200110275	3221910100612	2,75	2,75	61	33	1	10
90200110280	3221910100629	2,80	2,80	61	33	1	10
90200110290	3221910100636	2,90	2,90	61	33	1	10
90200110300	3221910813710	3,00	3,00	61	33	1	10
90200110310	3221910100650	3,10	3,10	65	36	1	10

#01

9020011	EAN	Ø	d2	L	l1	QTY	PCB
90200110320	3221910813727	3,20	3,20	65	36	1	10
90200110325	3221910100674	3,25	3,25	65	36	1	10
90200110330	3221910100681	3,30	3,30	65	36	1	10
90200110340	3221910100698	3,40	3,40	70	39	1	10
90200110350	3221910813734	3,50	3,50	70	39	1	10
90200110360	3221910100711	3,60	3,60	70	39	1	10
90200110370	3221910100728	3,70	3,70	70	39	1	10
90200110375	3221910100735	3,75	3,75	70	39	1	10
90200110380	3221910100742	3,80	3,80	75	43	1	10
90200110390	3221910100759	3,90	3,90	75	43	1	10
90200110400	3221910813741	4,00	4,00	75	43	1	10
90200110410	3221910100773	4,10	4,10	75	43	1	10
90200110420	3221910813758	4,20	4,20	75	43	1	10
90200110425	3221910100797	4,25	4,25	75	43	1	10
90200110430	3221910100803	4,30	4,30	80	47	1	10
90200110440	3221910100810	4,40	4,40	80	47	1	10
90200110450	3221910813765	4,50	4,50	80	47	1	10
90200110460	3221910100834	4,60	4,60	80	47	1	10
90200110470	3221910100841	4,70	4,70	80	47	1	10
90200110475	3221910100858	4,75	4,75	80	47	1	10
90200110480	3221910100865	4,80	4,80	86	52	1	10
90200110490	3221910100872	4,90	4,90	86	52	1	10
90200110500	3221910813772	5,00	5,00	86	52	1	10
90200110510	3221910100896	5,10	5,10	86	52	1	10
90200110520	3221910813789	5,20	5,20	86	52	1	10
90200110525	3221910100919	5,25	5,25	86	52	1	10
90200110530	3221910100926	5,30	5,30	86	52	1	10
90200110540	3221910100933	5,40	5,40	93	57	1	10
90200110550	3221910813796	5,50	5,50	93	57	1	10
90200110560	3221910100957	5,60	5,60	93	57	1	10
90200110570	3221910100964	5,70	5,70	93	57	1	10
90200110575	3221910100971	5,75	5,75	93	57	1	10
90200110580	3221910100988	5,80	5,80	93	57	1	10
90200110590	3221910100995	5,90	5,90	93	57	1	10
90200110600	3221910813802	6,00	6,00	93	57	1	10
90200110610	3221910101015	6,10	6,10	101	63	1	10
90200110620	3221910813819	6,20	6,20	101	63	1	10
90200110625	3221910101039	6,25	6,25	101	63	1	10
90200110630	3221910101046	6,30	6,30	101	63	1	10
90200110640	3221910101053	6,40	6,40	101	63	1	10
90200110650	3221910813826	6,50	6,50	101	63	1	10
90200110660	3221910101077	6,60	6,60	101	63	1	10
90200110670	3221910813833	6,70	6,70	101	63	1	10
90200110675	3221910101091	6,75	6,75	109	69	1	10
90200110680	3221910101107	6,80	6,80	109	69	1	10
90200110690	3221910101114	6,90	6,90	109	69	1	10
90200110700	3221910813840	7,00	7,00	109	69	1	10
90200110710	3221910101138	7,10	7,10	109	69	1	10
90200110720	3221910101145	7,20	7,20	109	69	1	10
90200110725	3221910101152	7,25	7,25	109	69	1	10
90200110730	3221910101169	7,30	7,30	109	69	1	10
90200110740	3221910101176	7,40	7,40	109	69	1	10
90200110750	3221910813857	7,50	7,50	109	69	1	10
90200110760	3221910101190	7,60	7,60	117	75	1	10
90200110770	3221910101206	7,70	7,70	117	75	1	10
90200110775	3221910101213	7,75	7,75	117	75	1	10
90200110780	3221910101220	7,80	7,80	117	75	1	10
90200110790	3221910101237	7,90	7,90	117	75	1	10
90200110800	3221910813864	8,00	8,00	117	75	1	10
90200110810	3221910101251	8,10	8,10	117	75	1	5
90200110820	3221910101268	8,20	8,20	117	75	1	5
90200110825	3221910101275	8,25	8,25	117	75	1	5
90200110830	3221910101282	8,30	8,30	117	75	1	5
90200110840	3221910101299	8,40	8,40	117	75	1	5
90200110850	3221910813871	8,50	8,50	117	75	1	5
90200110860	3221910101312	8,60	8,60	125	81	1	5
90200110870	3221910101329	8,70	8,70	125	81	1	5
90200110875	3221910101336	8,75	8,75	125	81	1	5
90200110880	3221910101343	8,80	8,80	125	81	1	5
90200110890	3221910101350	8,90	8,90	125	81	1	5
90200110900	3221910813888	9,00	9,00	125	81	1	5
90200110910	3221910101374	9,10	9,10	125	81	1	5
90200110920	3221910101381	9,20	9,20	125	81	1	5
90200110925	3221910101398	9,25	9,25	125	81	1	5
90200110930	3221910101404	9,30	9,30	125	81	1	5
90200110940	3221910101411	9,40	9,40	125	81	1	5
90200110950	3221910813895	9,50	9,50	125	81	1	5
90200110960	3221910101435	9,60	9,60	133	87	1	5
90200110970	3221910101442	9,70	9,70	133	87	1	5
90200110975	3221910101459	9,75	9,75	133	87	1	5
90200110980	3221910101466	9,80	9,80	133	87	1	5

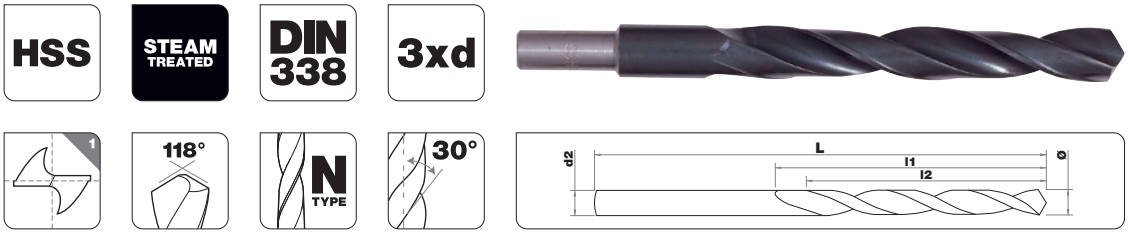
#01

9020011	EAN	Ø	d2	L	l1	QTY	PCB
90200110990	3221910101473	9,90	9,90	133	87	1	5
90200111000	3221910813901	10,00	10,00	133	87	1	5
90200111010	3221910101497	10,10	10,10	133	87	1	5
90200111020	3221910813918	10,20	10,20	133	87	1	5
90200111025	3221910101510	10,25	10,25	133	87	1	5
90200111030	3221910101527	10,30	10,30	133	87	1	5
90200111040	3221910101534	10,40	10,40	133	87	1	5
90200111050	3221910813925	10,50	10,50	133	87	1	5
90200111060	3221910101558	10,60	10,60	133	87	1	5
90200111070	3221910101565	10,70	10,70	142	94	1	5
90200111075	3221910101572	10,75	10,75	142	94	1	5
90200111080	3221910101589	10,80	10,80	142	94	1	5
90200111090	3221910101596	10,90	10,90	142	94	1	5
90200111100	3221910813932	11,00	11,00	142	94	1	5
90200111110	3221910101619	11,10	11,10	142	94	1	5
90200111120	3221910101626	11,20	11,20	142	94	1	5
90200111125	3221910101633	11,25	11,25	142	94	1	5
90200111130	3221910101640	11,30	11,30	142	94	1	5
90200111140	3221910101657	11,40	11,40	142	94	1	5
90200111150	3221910813949	11,50	11,50	142	94	1	5
90200111160	3221910101671	11,60	11,60	142	94	1	5
90200111170	3221910101688	11,70	11,70	142	94	1	5
90200111175	3221910101695	11,75	11,75	142	94	1	5
90200111180	3221910101701	11,80	11,80	142	94	1	5
90200111190	3221910101718	11,90	11,90	151	101	1	5
90200111200	3221910813956	12,00	12,00	151	101	1	5
90200111210	3221910101732	12,10	12,10	151	101	1	5
90200111220	3221910101749	12,20	12,20	151	101	1	5
90200111230	3221910101763	12,30	12,30	151	101	1	5
90200111240	3221910101770	12,40	12,40	151	101	1	5
90200111250	3221910813963	12,50	12,50	151	101	1	5
90200111260	3221910101794	12,60	12,60	151	101	1	5
90200111270	3221910101800	12,70	12,70	151	101	1	5
90200111280	3221910101824	12,80	12,80	151	101	1	5
90200111290	3221910101831	12,90	12,90	151	101	1	5
90200111300	3221910813970	13,00	13,00	151	101	1	5
90200111310	3221910101855	13,10	13,10	151	101	1	5
90200111320	3221910101862	13,20	13,20	151	101	1	5
90200111330	3221910101886	13,30	13,30	160	108	1	5
90200111340	3221910101893	13,40	13,40	160	108	1	5
90200111350	3221910101909	13,50	13,50	160	108	1	5
90200111360	3221910101916	13,60	13,60	160	108	1	5
90200111370	3221910101923	13,70	13,70	160	108	1	5
90200111375	3221910101930	13,75	13,75	160	108	1	5
90200111380	3221910101947	13,80	13,80	160	108	1	5
90200111390	3221910101954	13,90	13,90	160	108	1	5
90200111400	3221910101961	14,00	14,00	160	108	1	5
90200111450	3221910101992	14,50	14,50	169	114	1	5
90200111500	3221910102029	15,00	15,00	169	114	1	5
90200111550	3221910102050	15,50	15,50	169	114	1	1
90200111600	3221910102081	16,00	16,00	178	120	1	1
90200111650	3221910102098	16,50	16,50	184	125	1	1
90200111700	3221910102104	17,00	17,00	184	125	1	1
90200111750	3221910102111	17,50	17,50	191	130	1	1
90200111800	3221910102128	18,00	18,00	191	130	1	1
90200111850	3221910102135	18,50	18,50	198	135	1	1
90200111900	3221910102142	19,00	19,00	198	135	1	1
90200111950	3221910102159	19,50	19,50	205	140	1	1
90200112000	3221910102166	20,00	20,00	205	140	1	1

RRS | HSS ROLL FORGED JOBBER LENGTH DRILL. REDUCED SHANK.

RRS | BROCA HSS LAMINADA CILÍNDRICA. SERIE CORTA. MANGO REDUCIDO.

RRS | PUNTA HSS LAMINATA CILINDRICA CORTA | GAMBO RIDOTTO.



For steels.

Para aceros en general.

Foratura acciaio comune.

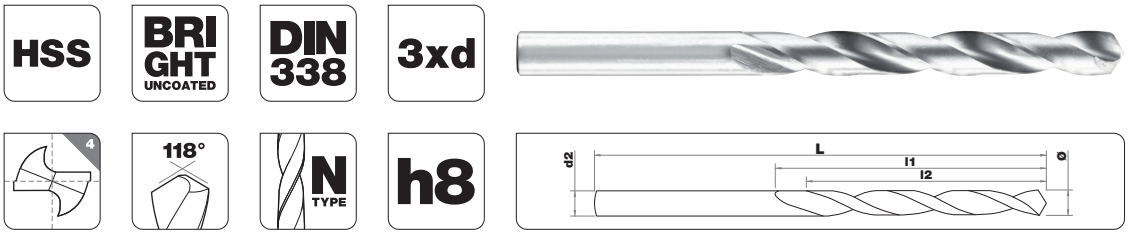
A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

9020021	EAN	Ø	d2	L	l1	QTY	PCB
90200211300	3221910102227	13,00	10,00	151	101	1	5
90200211350	3221910102234	13,50	12,00	160	108	1	5
90200211400	3221910102241	14,00	12,00	160	108	1	5
90200211450	3221910102258	14,50	12,00	169	114	1	5
90200211500	3221910102265	15,00	12,00	169	114	1	5
90200211550	3221910102272	15,50	12,00	178	120	1	1
90200211600	3221910102289	16,00	12,00	178	120	1	1
90200211650	3221910102296	16,50	12,00	184	125	1	1
90200211700	3221910102302	17,00	12,00	184	125	1	1
90200211750	3221910102319	17,50	12,00	191	130	1	1
90200211800	3221910102326	18,00	12,00	191	130	1	1
90200211850	3221910102333	18,50	12,00	198	135	1	1
90200211900	3221910102340	19,00	12,00	198	135	1	1
90200211950	3221910102357	19,50	12,00	205	140	1	1
90200212000	3221910102364	20,00	12,00	205	140	1	1

T | HSS FULLY GROUND JOBBER LENGTH DRILL | T LINE

T | BROCA HSS RECTIFICADA CILÍNDRICA. SERIE CORTA | T LINE

T | PUNTA HSS CILINDRICA CORTA | T LINE



For steels and cast irons.

Para aceros y fundiciones.

Foratura di acciai <950 N/mm² e ghise.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

1145201	EAN	Ø	d2	L	l1	QTY	PCB
11452010050	3221910837914	0,50	0,50	22	6	1	10
11452010060	3221910837921	0,60	0,60	24	7	1	10
11452010070	3221910837938	0,70	0,70	28	9	1	10
11452010080	3221910837945	0,80	0,80	30	10	1	10
11452010090	3221910837952	0,90	0,90	32	11	1	10
11452010100	3221910837969	1,00	1,00	34	12	1	10
11452010110	3221910837976	1,10	1,10	36	14	1	10
11452010120	3221910837983	1,20	1,20	38	16	1	10
11452010130	3221910837990	1,30	1,30	38	16	1	10
11452010140	3221910838003	1,40	1,40	40	18	1	10
11452010150	3221910838010	1,50	1,50	40	18	1	10
11452010160	3221910838027	1,60	1,60	43	20	1	10
11452010170	3221910838034	1,70	1,70	43	20	1	10

#01

1145201	EAN	Ø	d2	L	l1	QTY	PCB
11452010180	3221910838041	1,80	1,80	46	22	1	10
11452010190	3221910838058	1,90	1,90	46	22	1	10
11452010200	3221910838065	2,00	2,00	49	24	1	10
11452010210	3221910838072	2,10	2,10	49	24	1	10
11452010220	3221910838089	2,20	2,20	53	27	1	10
11452010230	3221910838096	2,30	2,30	53	27	1	10
11452010240	3221910838102	2,40	2,40	57	30	1	10
11452010250	3221910838119	2,50	2,50	57	30	1	10
11452010260	3221910838126	2,60	2,60	57	30	1	10
11452010270	3221910838133	2,70	2,70	61	33	1	10
11452010280	3221910838140	2,80	2,80	61	33	1	10
11452010290	3221910838157	2,90	2,90	61	33	1	10
11452010300	3221910838164	3,00	3,00	61	33	1	10
11452010310	3221910838171	3,10	3,10	65	36	1	10
11452010320	3221910838188	3,20	3,20	65	36	1	10
11452010330	3221910838195	3,30	3,30	65	36	1	10
11452010340	3221910838201	3,40	3,40	70	39	1	10
11452010350	3221910838218	3,50	3,50	70	39	1	10
11452010360	3221910838225	3,60	3,60	70	39	1	10
11452010370	3221910838232	3,70	3,70	70	39	1	10
11452010380	3221910838249	3,80	3,80	75	43	1	10
11452010390	3221910838256	3,90	3,90	75	43	1	10
11452010400	3221910838263	4,00	4,00	75	43	1	10
11452010410	3221910838270	4,10	4,10	75	43	1	10
11452010420	3221910838287	4,20	4,20	75	43	1	10
11452010430	3221910838294	4,30	4,30	80	47	1	10
11452010440	3221910838300	4,40	4,40	80	47	1	10
11452010450	3221910838317	4,50	4,50	80	47	1	10
11452010460	3221910838324	4,60	4,60	80	47	1	10
11452010470	3221910838331	4,70	4,70	80	47	1	10
11452010480	3221910838348	4,80	4,80	86	52	1	10
11452010490	3221910838355	4,90	4,90	86	52	1	10
11452010500	3221910838362	5,00	5,00	86	52	1	10
11452010510	3221910838379	5,10	5,10	86	52	1	10
11452010520	3221910838386	5,20	5,20	86	52	1	10
11452010530	3221910838393	5,30	5,30	86	52	1	10
11452010540	3221910838409	5,40	5,40	93	57	1	10
11452010550	3221910838416	5,50	5,50	93	57	1	10
11452010560	3221910838423	5,60	5,60	93	57	1	10
11452010570	3221910838430	5,70	5,70	93	57	1	10
11452010580	3221910838447	5,80	5,80	93	57	1	10
11452010590	3221910838454	5,90	5,90	93	57	1	10
11452010600	3221910838461	6,00	6,00	93	57	1	10
11452010610	3221910838478	6,10	6,10	101	63	1	10
11452010620	3221910838485	6,20	6,20	101	63	1	10
11452010630	3221910838492	6,30	6,30	101	63	1	10
11452010640	3221910838508	6,40	6,40	101	63	1	10
11452010650	3221910838515	6,50	6,50	101	63	1	10
11452010660	3221910838522	6,60	6,60	101	63	1	10
11452010670	3221910838539	6,70	6,70	101	63	1	10
11452010680	3221910838546	6,80	6,80	109	69	1	10
11452010690	3221910838553	6,90	6,90	109	69	1	10
11452010700	3221910838560	7,00	7,00	109	69	1	10
11452010710	3221910838577	7,10	7,10	109	69	1	10
11452010720	3221910838584	7,20	7,20	109	69	1	10
11452010730	3221910838591	7,30	7,30	109	69	1	10
11452010740	3221910838607	7,40	7,40	109	69	1	10
11452010750	3221910838614	7,50	7,50	109	69	1	10
11452010760	3221910838621	7,60	7,60	117	75	1	10
11452010770	3221910838638	7,70	7,70	117	75	1	10
11452010780	3221910838645	7,80	7,80	117	75	1	10
11452010790	3221910838652	7,90	7,90	117	75	1	10
11452010800	3221910838669	8,00	8,00	117	75	1	10
11452010810	3221910838676	8,10	8,10	117	75	1	5
11452010820	3221910838683	8,20	8,20	117	75	1	5
11452010830	3221910838690	8,30	8,30	117	75	1	5
11452010840	3221910838706	8,40	8,40	117	75	1	5
11452010850	3221910838713	8,50	8,50	117	75	1	5
11452010860	3221910838720	8,60	8,60	125	81	1	5
11452010870	3221910838737	8,70	8,70	125	81	1	5
11452010880	3221910838744	8,80	8,80	125	81	1	5
11452010890	3221910838751	8,90	8,90	125	81	1	5
11452010900	3221910838768	9,00	9,00	125	81	1	5
11452010910	3221910838775	9,10	9,10	125	81	1	5
11452010920	3221910838782	9,20	9,20	125	81	1	5
11452010930	3221910838799	9,30	9,30	125	81	1	5
11452010940	3221910838805	9,40	9,40	125	81	1	5
11452010950	3221910838812	9,50	9,50	125	81	1	5
11452010960	3221910838829	9,60	9,60	133	87	1	5
11452010970	3221910838836	9,70	9,70	133	87	1	5
11452010980	3221910838843	9,80	9,80	133	87	1	5

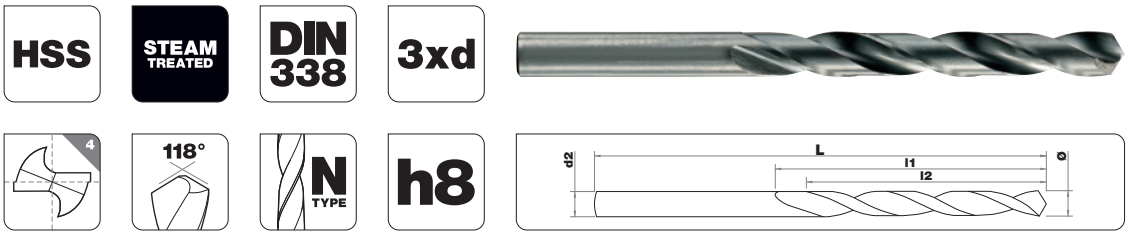
#01

1145201	EAN	Ø	d2	L	l1	QTY	PCB
11452010990	3221910838850	9,90	9,90	133	87	1	5
11452011000	3221910838867	10,00	10,00	133	87	1	5
11452011010	3221910838874	10,10	10,10	133	87	1	5
11452011020	3221910838881	10,20	10,20	133	87	1	5
11452011030	3221910838898	10,30	10,30	133	87	1	5
11452011040	3221910838904	10,40	10,40	133	87	1	5
11452011050	3221910838911	10,50	10,50	133	87	1	5
11452011100	3221910838966	11,00	11,00	142	94	1	5
11452011150	3221910839017	11,50	11,50	142	94	1	5
11452011200	3221910839062	12,00	12,00	151	101	1	5
11452011250	3221910839116	12,50	12,50	151	101	1	5
11452011300	3221910839161	13,00	13,00	151	101	1	5

TSX | HSS FULLY GROUND JOBBER LENGTH DRILL

TSX | BROCA HSS RECTIFICADA CILÍNDRICA. SERIE CORTA

TSX | PUNTA HSS CILINDRICA CORTA. TIPO N



For steels and cast irons. Comfort, accuracy.

Para aceros y fundiciones. Confort, precisión.

Foratura di acciai <950 N/mm² e ghise. Comfort e precisione.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

1145301	EAN	Ø	d2	L	l1	QTY	PCB
11453010020	3221910850876	0,20	0,20	19	2,5	1	10
11453010025	3221912002747	0,25	0,25	19	3	1	10
11453010030	3221910850883	0,30	0,30	19	3	1	10
11453010035	3221912002808	0,35	0,35	19	4	1	10
11453010040	3221910850890	0,40	0,40	20	5	1	10
11453010045	3221912002815	0,45	0,45	20	5	1	10
11453010050	3221910850906	0,50	0,50	22	6	1	10
11453010055	3221912002822	0,55	0,55	24	7	1	10
11453010060	3221910850913	0,60	0,60	24	7	1	10
11453010065	3221912002839	0,65	0,65	26	8	1	10
11453010070	3221910850920	0,70	0,70	28	9	1	10
11453010075	3221910850937	0,75	0,75	29	9	1	10
11453010080	3221910850944	0,80	0,80	30	10	1	10
11453010085	3221912002846	0,85	0,85	30	10	1	10
11453010090	3221910850951	0,90	0,90	32	11	1	10
11453010095	3221912002761	0,95	0,95	32	11	1	10
11453010100	3221910850968	1,00	1,00	34	12	1	10
11453010105	3221912002778	1,05	1,05	34	12	1	10
11453010110	3221910850975	1,10	1,10	36	14	1	10
11453010120	3221910850982	1,20	1,20	38	14	1	10
11453010125	3221910850999	1,25	1,25	38	16	1	10
11453010130	3221910851002	1,30	1,30	38	16	1	10
11453010140	3221910851019	1,40	1,40	40	18	1	10
11453010150	3221910851026	1,50	1,50	40	18	1	10
11453010160	3221910851033	1,60	1,60	43	20	1	10
11453010170	3221910851040	1,70	1,70	43	20	1	10
11453010175	3221910851057	1,75	1,75	46	22	1	10
11453010180	3221910851064	1,80	1,80	46	22	1	10
11453010190	3221910851071	1,90	1,90	46	22	1	10
11453010200	3221910851088	2,00	2,00	49	24	1	10
11453010210	3221910851095	2,10	2,10	49	24	1	10
11453010220	3221910851101	2,20	2,20	53	27	1	10
11453010225	3221910851118	2,25	2,25	53	27	1	10
11453010230	3221910851125	2,30	2,30	53	27	1	10
11453010240	3221910851132	2,40	2,40	57	30	1	10
11453010250	3221910851149	2,50	2,50	57	30	1	10
11453010260	3221910851156	2,60	2,60	57	30	1	10
11453010270	3221910851163	2,70	2,70	61	33	1	10
11453010275	3221910851170	2,75	2,75	61	33	1	10
11453010280	3221910851187	2,80	2,80	61	33	1	10
11453010290	3221910851194	2,90	2,90	61	33	1	10
11453010300	3221910851200	3,00	3,00	61	33	1	10
11453010310	3221910851217	3,10	3,10	65	36	1	10

#01

1145301	EAN	Ø	d2	L	l1	QTY	PCB
11453010320	3221910851224	3,20	3,20	65	36	1	10
11453010325	3221910851231	3,25	3,25	65	36	1	10
11453010330	3221910851248	3,30	3,30	65	36	1	10
11453010340	3221910851255	3,40	3,40	70	39	1	10
11453010350	3221910851262	3,50	3,50	70	39	1	10
11453010360	3221910851279	3,60	3,60	70	39	1	10
11453010370	3221910851286	3,70	3,70	70	39	1	10
11453010375	3221910851293	3,75	3,75	70	39	1	10
11453010380	3221910851309	3,80	3,80	75	43	1	10
11453010390	3221910851316	3,90	3,90	75	43	1	10
11453010400	3221910851323	4,00	4,00	75	43	1	10
11453010410	3221910851330	4,10	4,10	75	43	1	10
11453010420	3221910851347	4,20	4,20	75	43	1	10
11453010425	3221910851354	4,25	4,25	75	43	1	10
11453010430	3221910851361	4,30	4,30	80	47	1	10
11453010440	3221910851378	4,40	4,40	80	47	1	10
11453010450	3221910851385	4,50	4,50	80	47	1	10
11453010460	3221910851392	4,60	4,60	80	47	1	10
11453010470	3221910851408	4,70	4,70	80	47	1	10
11453010475	3221910851415	4,75	4,75	80	47	1	10
11453010480	3221910851422	4,80	4,80	86	52	1	10
11453010490	3221910851439	4,90	4,90	86	52	1	10
11453010500	3221910851446	5,00	5,00	86	52	1	10
11453010510	3221910851453	5,10	5,10	86	52	1	10
11453010520	3221910851460	5,20	5,20	86	52	1	10
11453010525	3221910851477	5,25	5,25	86	52	1	10
11453010530	3221910851484	5,30	5,30	86	52	1	10
11453010540	3221910851491	5,40	5,40	93	57	1	10
11453010550	3221910851507	5,50	5,50	93	57	1	10
11453010560	3221910851514	5,60	5,60	93	57	1	10
11453010570	3221910851521	5,70	5,70	93	57	1	10
11453010575	3221910851538	5,75	5,75	93	57	1	10
11453010580	3221910851545	5,80	5,80	93	57	1	10
11453010590	3221910851552	5,90	5,90	93	57	1	10
11453010600	3221910851569	6,00	6,00	93	57	1	10
11453010610	3221910851576	6,10	6,10	101	63	1	10
11453010620	3221910851583	6,20	6,20	101	63	1	10
11453010625	3221910851590	6,25	6,25	101	63	1	10
11453010630	3221910851606	6,30	6,30	101	63	1	10
11453010640	3221910851613	6,40	6,40	101	63	1	10
11453010650	3221910851620	6,50	6,50	101	63	1	10
11453010660	3221910851637	6,60	6,60	101	63	1	10
11453010670	3221910851644	6,70	6,70	101	63	1	10
11453010675	3221910851651	6,75	6,75	109	69	1	10
11453010680	3221910851668	6,80	6,80	109	69	1	10
11453010690	3221910851675	6,90	6,90	109	69	1	10
11453010700	3221910851682	7,00	7,00	109	69	1	10
11453010710	3221910851699	7,10	7,10	109	69	1	10
11453010720	3221910851705	7,20	7,20	109	69	1	10
11453010725	3221910851712	7,25	7,25	109	69	1	10
11453010730	3221910851729	7,30	7,30	109	69	1	10
11453010740	3221910851736	7,40	7,40	109	69	1	10
11453010750	3221910851743	7,50	7,50	109	69	1	10
11453010760	3221910851750	7,60	7,60	117	75	1	10
11453010770	3221910851767	7,70	7,70	117	75	1	10
11453010775	3221910851774	7,75	7,75	117	75	1	10
11453010780	3221910851781	7,80	7,80	117	75	1	10
11453010790	3221910851798	7,90	7,90	117	75	1	10
11453010800	3221910851804	8,00	8,00	117	75	1	10
11453010810	3221910851811	8,10	8,10	117	75	1	5
11453010820	3221910851828	8,20	8,20	117	75	1	5
11453010825	3221910851835	8,25	8,25	117	75	1	5
11453010830	3221910851842	8,30	8,30	117	75	1	5
11453010840	3221910851859	8,40	8,40	117	75	1	5
11453010850	3221910851866	8,50	8,50	117	75	1	5
11453010860	3221910851873	8,60	8,60	125	81	1	5
11453010870	3221910851880	8,70	8,70	125	81	1	5
11453010875	3221910851897	8,75	8,75	125	81	1	5
11453010880	3221910851903	8,80	8,80	125	81	1	5
11453010890	3221910851910	8,90	8,90	125	81	1	5
11453010900	3221910851927	9,00	9,00	125	81	1	5
11453010910	3221910851934	9,10	9,10	125	81	1	5
11453010920	3221910851941	9,20	9,20	125	81	1	5
11453010925	3221910851958	9,25	9,25	125	81	1	5
11453010930	3221910851965	9,30	9,30	125	81	1	5
11453010940	3221910851972	9,40	9,40	125	81	1	5
11453010950	3221910851989	9,50	9,50	125	81	1	5
11453010960	3221910851996	9,60	9,60	133	87	1	5
11453010970	3221910852009	9,70	9,70	133	87	1	5
11453010975	3221910852016	9,75	9,75	133	87	1	5
11453010980	3221910852023	9,80	9,80	133	87	1	5

#01

1145301	EAN	Ø	d2	L	l1	QTY	PCB
11453010990	3221910852030	9,90	9,90	133	87	1	5
11453011000	3221910852047	10,00	10,00	133	87	1	5
11453011010	3221910852054	10,10	10,10	133	87	1	5
11453011020	3221910852061	10,20	10,20	133	87	1	5
11453011025	3221910852078	10,25	10,25	133	87	1	5
11453011030	3221910852085	10,30	10,30	133	87	1	5
11453011040	3221910852092	10,40	10,40	133	87	1	5
11453011050	3221910852108	10,50	10,50	133	87	1	5
11453011060	3221910852115	10,60	10,60	133	87	1	5
11453011070	3221910852122	10,70	10,70	142	94	1	5
11453011075	3221910852139	10,75	10,75	142	94	1	5
11453011080	3221910852146	10,80	10,80	142	94	1	5
11453011090	3221910852153	10,90	10,90	142	94	1	5
11453011100	3221910852160	11,00	11,00	142	94	1	5
11453011110	3221910852177	11,10	11,10	142	94	1	5
11453011120	3221910852184	11,20	11,20	142	94	1	5
11453011125	3221910852191	11,25	11,25	142	94	1	5
11453011130	3221910852207	11,30	11,30	142	94	1	5
11453011140	3221910852214	11,40	11,40	142	94	1	5
11453011150	3221910852221	11,50	11,50	142	94	1	5
11453011160	3221910852238	11,60	11,60	142	94	1	5
11453011170	3221910852245	11,70	11,70	142	94	1	5
11453011175	3221910852252	11,75	11,75	142	94	1	5
11453011180	3221910852269	11,80	11,80	151	101	1	5
11453011190	3221910852276	11,90	11,90	151	101	1	5
11453011200	3221910852283	12,00	12,00	151	101	1	5
11453011210	3221910852290	12,10	12,10	151	101	1	5
11453011220	3221910852306	12,20	12,20	151	101	1	5
11453011225	3221910852313	12,25	12,25	151	101	1	5
11453011230	3221910852320	12,30	12,30	151	101	1	5
11453011240	3221910852337	12,40	12,40	151	101	1	5
11453011250	3221910852344	12,50	12,50	151	101	1	5
11453011260	3221910852351	12,60	12,60	151	101	1	5
11453011270	3221910852368	12,70	12,70	151	101	1	5
11453011275	3221910852375	12,75	12,75	151	101	1	5
11453011280	3221910852382	12,80	12,80	151	101	1	5
11453011290	3221910852399	12,90	12,90	151	101	1	5
11453011300	3221910852405	13,00	13,00	151	101	1	5
11453011350	3221910852962	13,50	12,00	160	108	1	1
11453011400	3221910852979	14,00	12,00	160	108	1	1
11453011450	3221910852986	14,50	12,00	169	114	1	1
11453011500	3221910852993	15,00	12,00	169	114	1	1
11453011550	3221910853006	15,50	12,00	178	120	1	1
11453011600	3221910853013	16,00	12,00	178	120	1	1
11453011650	3221910853020	16,50	12,00	184	125	1	1
11453011700	3221910853037	17,00	12,00	184	125	1	1
11453011750	3221910853044	17,50	12,00	191	130	1	1
11453011800	3221910853051	18,00	12,00	191	130	1	1
11453011850	3221910853068	18,50	12,00	198	135	1	1
11453011900	3221910853075	19,00	12,00	198	135	1	1
11453011950	3221910853082	19,50	12,00	205	140	1	1
11453012000	3221910853099	20,00	12,00	205	140	1	1
11453012100	3221910853105	21,00	12,00	205	145	1	1
11453012200	3221910853112	22,00	12,00	210	150	1	1
11453012300	3221910853129	23,00	12,00	210	150	1	1
11453012400	3221910853136	24,00	12,00	220	160	1	1
11453012500	3221910853143	25,00	12,00	220	160	1	1

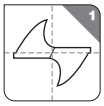
001 | HSS FULLY GROUND JOBBER LENGTH DRILL.

001 | BROCA HSS RECTIFICADA CILÍNDRICA SERIE CORTA.

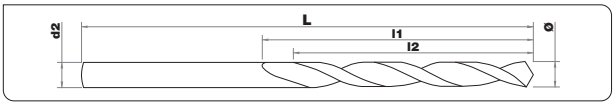
001 | PUNTA CILINDRICA CORTA. TIPO N.

#01

HSS | STEAM TREATED | DIN 338 | 3xd



118° | N TYPE | h8



For steels and cast irons. Robustness, accuracy.

Taladrado de aceros < 950 N/mm² y de fundiciones. Robustez, precis.

Foratura di acciai <950 N/mm² e ghise. Robustezza e precisione.

AB — Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

C — Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

H — Austenitic stainless steels
Aceros inoxidables austeniticos
Acciai inossidabili austenitici

IJ — Cast iron
Fundiciones
Ghisa

1140011	EAN	ø	d2	L	l1	QTY	PCB
11400110020	3221910061678	0,20	0,20	19	2,5	1	10
11400110025	3221910061685	0,25	0,25	19	3	1	10
11400110030	3221910061692	0,30	0,30	19	3	1	10
11400110035	3221910061708	0,35	0,35	19	4	1	10
11400110040	3221910061722	0,40	0,40	20	5	1	10
11400110045	3221910061739	0,45	0,45	20	5	1	10
11400110050	3221910061746	0,50	0,50	22	6	1	10
11400110055	3221910061753	0,55	0,55	24	7	1	10
11400110060	3221910061760	0,60	0,60	24	7	1	10
11400110065	3221910061777	0,65	0,65	26	8	1	10
11400110070	3221910061784	0,70	0,70	28	9	1	10
11400110075	3221910061791	0,75	0,75	28	9	1	10
11400110080	3221910061814	0,80	0,80	30	10	1	10
11400110085	3221910061821	0,85	0,85	30	10	1	10
11400110090	3221910061838	0,90	0,90	32	11	1	10
11400110095	3221910061845	0,95	0,95	32	11	1	10
11400110100	3221910061852	1,00	1,00	34	12	1	10
11400110105	3221910061869	1,05	1,05	34	12	1	10
11400110110	3221910061876	1,10	1,10	36	14	1	10
11400110115	3221910061883	1,15	1,15	36	14	1	10
11400110120	3221910061906	1,20	1,20	38	16	1	10
11400110125	3221910061913	1,25	1,25	38	16	1	10
11400110130	3221910061920	1,30	1,30	38	16	1	10
11400110135	3221910061937	1,35	1,35	40	18	1	10
11400110140	3221910061944	1,40	1,40	40	18	1	10
11400110145	3221910061951	1,45	1,45	40	18	1	10
11400110150	3221910061968	1,50	1,50	40	18	1	10
11400110155	3221910061975	1,55	1,55	43	20	1	10
11400110160	3221910061999	1,60	1,60	43	20	1	10
11400110165	3221910062019	1,65	1,65	43	20	1	10
11400110170	3221910062026	1,70	1,70	43	20	1	10
11400110175	3221910062033	1,75	1,75	46	22	1	10
11400110180	3221910062040	1,80	1,80	46	22	1	10
11400110185	3221910062057	1,85	1,85	46	22	1	10
11400110190	3221910062064	1,90	1,90	46	22	1	10
11400110195	3221910062088	1,95	1,95	49	24	1	10
11400110200	3221910062101	2,00	2,00	49	24	1	10
11400110205	3221910062118	2,05	2,05	49	24	1	10
11400110210	3221910062125	2,10	2,10	49	24	1	10
11400110215	3221910062132	2,15	2,15	53	27	1	10
11400110220	3221910062149	2,20	2,20	53	27	1	10
11400110225	3221910062156	2,25	2,25	53	27	1	10
11400110230	3221910062163	2,30	2,30	53	27	1	10
11400110235	3221910062170	2,35	2,35	53	27	1	10
11400110240	3221910062194	2,40	2,40	57	30	1	10
11400110245	3221910062200	2,45	2,45	57	30	1	10
11400110250	3221910062217	2,50	2,50	57	30	1	10
11400110255	3221910062224	2,55	2,55	57	30	1	10
11400110260	3221910062231	2,60	2,60	57	30	1	10
11400110265	3221910062248	2,65	2,65	57	30	1	10
11400110270	3221910062255	2,70	2,70	61	33	1	10

#01

1140011	EAN	Ø	d2	L	l1	QTY	PCB
11400110275	3221910062262	2,75	2,75	61	33	1	10
11400110280	3221910062286	2,80	2,80	61	33	1	10
11400110285	3221910062293	2,85	2,85	61	33	1	10
11400110290	3221910062309	2,90	2,90	61	33	1	10
11400110295	3221910062316	2,95	2,95	61	33	1	10
11400110300	3221910062323	3,00	3,00	61	33	1	10
11400110305	3221910062330	3,05	3,05	65	36	1	10
11400110310	3221910062347	3,10	3,10	65	36	1	10
11400110315	3221910062354	3,15	3,15	65	36	1	10
11400110320	3221910062378	3,20	3,20	65	36	1	10
11400110325	3221910062385	3,25	3,25	65	36	1	10
11400110330	3221910062392	3,30	3,30	65	36	1	10
11400110335	3221910062408	3,35	3,35	65	36	1	10
11400110340	3221910062415	3,40	3,40	70	39	1	10
11400110345	3221910062422	3,45	3,45	70	39	1	10
11400110350	3221910062439	3,50	3,50	70	39	1	10
11400110355	3221910062446	3,55	3,55	70	39	1	10
11400110360	3221910062460	3,60	3,60	70	39	1	10
11400110365	3221910062477	3,65	3,65	70	39	1	10
11400110370	3221910062484	3,70	3,70	70	39	1	10
11400110375	3221910062491	3,75	3,75	70	39	1	10
11400110380	3221910062507	3,80	3,80	75	43	1	10
11400110385	3221910062514	3,85	3,85	75	43	1	10
11400110390	3221910062521	3,90	3,90	75	43	1	10
11400110395	3221910062538	3,95	3,95	75	43	1	10
11400110400	3221910062552	4,00	4,00	75	43	1	10
11400110405	3221910062569	4,05	4,05	75	43	1	10
11400110410	3221910062576	4,10	4,10	75	43	1	10
11400110415	3221910062583	4,15	4,15	75	43	1	10
11400110420	3221910062590	4,20	4,20	75	43	1	10
11400110425	3221910062606	4,25	4,25	75	43	1	10
11400110430	3221910062613	4,30	4,30	80	47	1	10
11400110435	3221910062620	4,35	4,35	80	47	1	10
11400110440	3221910062644	4,40	4,40	80	47	1	10
11400110445	3221910062651	4,45	4,45	80	47	1	10
11400110450	3221910062668	4,50	4,50	80	47	1	10
11400110455	3221910062675	4,55	4,55	80	47	1	10
11400110460	3221910062682	4,60	4,60	80	47	1	10
11400110465	3221910062699	4,65	4,65	80	47	1	10
11400110470	3221910062705	4,70	4,70	80	47	1	10
11400110475	3221910062712	4,75	4,75	80	47	1	10
11400110480	3221910062736	4,80	4,80	86	52	1	10
11400110485	3221910062743	4,85	4,85	86	52	1	10
11400110490	3221910062750	4,90	4,90	86	52	1	10
11400110495	3221910062767	4,95	4,95	86	52	1	10
11400110500	3221910062774	5,00	5,00	86	52	1	10
11400110505	3221910062781	5,05	5,05	86	52	1	10
11400110510	3221910062798	5,10	5,10	86	52	1	10
11400110520	3221910062811	5,20	5,20	86	52	1	10
11400110525	3221910062828	5,25	5,25	86	52	1	10
11400110530	3221910062835	5,30	5,30	86	52	1	10
11400110535	3221910062842	5,35	5,35	93	57	1	10
11400110540	3221910062859	5,40	5,40	93	57	1	10
11400110545	3221910062866	5,45	5,45	93	57	1	10
11400110550	3221910062873	5,50	5,50	93	57	1	10
11400110560	3221910062897	5,60	5,60	93	57	1	10
11400110565	3221910062903	5,65	5,65	93	57	1	10
11400110570	3221910062910	5,70	5,70	93	57	1	10
11400110575	3221910062927	5,75	5,75	93	57	1	10
11400110580	3221910062934	5,80	5,80	93	57	1	10
11400110585	3221910062941	5,85	5,85	93	57	1	10
11400110590	3221910062958	5,90	5,90	93	57	1	10
11400110600	3221910062972	6,00	6,00	93	57	1	10
11400110605	3221910062989	6,05	6,05	101	63	1	10
11400110610	3221910062996	6,10	6,10	101	63	1	10
11400110615	3221910063009	6,15	6,15	101	63	1	10
11400110620	3221910063016	6,20	6,20	101	63	1	10
11400110625	3221910063023	6,25	6,25	101	63	1	10
11400110630	3221910063030	6,30	6,30	101	63	1	10
11400110635	3221910876890	6,35	6,35	101	63	1	10
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11400110645	3221910063061	6,45	6,45	101	63	1	10
11400110650	3221910063078	6,50	6,50	101	63	1	10
11400110655	3221910063085	6,55	6,55	101	63	1	10
11400110660	3221910063092	6,60	6,60	101	63	1	10
11400110665	3221910063108	6,65	6,65	101	63	1	10
11400110670	3221910063115	6,70	6,70	101	63	1	10
11400110675	3221910063122	6,75	6,75	109	69	1	10
11400110680	3221910063139	6,80	6,80	109	69	1	10
11400110685	3221910063146	6,85	6,85	109	69	1	10
11400110690	3221910063153	6,90	6,90	109	69	1	10

#01

1140011	EAN	Ø	d2	L	l1	QTY	PCB
11400110695	3221910063160	6,95	6,95	109	69	1	10
11400110700	3221910063177	7,00	7,00	109	69	1	10
11400110705	3221910063184	7,05	7,05	109	69	1	10
11400110710	3221910063191	7,10	7,10	109	69	1	10
11400110715	3221910063214	7,15	7,15	109	69	1	10
11400110720	3221910063221	7,20	7,20	109	69	1	10
11400110725	3221910063238	7,25	7,25	109	69	1	10
11400110730	3221910063245	7,30	7,30	109	69	1	10
11400110735	3221910063252	7,35	7,35	109	69	1	10
11400110740	3221910063269	7,40	7,40	109	69	1	10
11400110745	3221910063276	7,45	7,45	109	69	1	10
11400110750	3221910063283	7,50	7,50	109	69	1	10
11400110760	3221910063313	7,60	7,60	117	75	1	10
11400110765	3221910063320	7,65	7,65	117	75	1	10
11400110770	3221910063337	7,70	7,70	117	75	1	10
11400110775	3221910063344	7,75	7,75	117	75	1	10
11400110780	3221910063351	7,80	7,80	117	75	1	10
11400110785	3221910063368	7,85	7,85	117	75	1	10
11400110790	3221910063375	7,90	7,90	117	75	1	10
11400110795	3221910063399	7,95	7,95	117	75	1	10
11400110800	3221910063405	8,00	8,00	117	75	1	10
11400110805	3221910063412	8,05	8,05	117	75	1	5
11400110810	3221910063429	8,10	8,10	117	75	1	5
11400110815	3221910063436	8,15	8,15	117	75	1	5
11400110820	3221910063443	8,20	8,20	117	75	1	5
11400110825	3221910063450	8,25	8,25	117	75	1	5
11400110830	3221910063467	8,30	8,30	117	75	1	5
11400110840	3221910063498	8,40	8,40	117	75	1	5
11400110845	3221910063504	8,45	8,45	117	75	1	5
11400110850	3221910063511	8,50	8,50	117	75	1	5
11400110855	3221910063528	8,55	8,55	125	81	1	5
11400110860	3221910063535	8,60	8,60	125	81	1	5
11400110865	3221910063542	8,65	8,65	125	81	1	5
11400110870	3221910063559	8,70	8,70	125	81	1	5
11400110875	3221910063573	8,75	8,75	125	81	1	5
11400110880	3221910063580	8,80	8,80	125	81	1	5
11400110885	3221910063597	8,85	8,85	125	81	1	5
11400110890	3221910063603	8,90	8,90	125	81	1	5
11400110895	3221910063610	8,95	8,95	125	81	1	5
11400110900	3221910063627	9,00	9,00	125	81	1	5
11400110905	3221910063634	9,05	9,05	125	81	1	5
11400110910	3221910063641	9,10	9,10	125	81	1	5
11400110915	3221910063665	9,15	9,15	125	81	1	5
11400110920	3221910063672	9,20	9,20	125	81	1	5
11400110925	3221910063689	9,25	9,25	125	81	1	5
11400110930	3221910063696	9,30	9,30	125	81	1	5
11400110935	3221910063702	9,35	9,35	125	81	1	5
11400110940	3221910063719	9,40	9,40	125	81	1	5
11400110945	3221910063726	9,45	9,45	125	81	1	5
11400110950	3221910063733	9,50	9,50	125	81	1	5
11400110960	3221910063764	9,60	9,60	133	87	1	5
11400110970	3221910063788	9,70	9,70	133	87	1	5
11400110975	3221910063795	9,75	9,75	133	87	1	5
11400110980	3221910063801	9,80	9,80	133	87	1	5
11400110985	3221910063818	9,85	9,85	133	87	1	5
11400110990	3221910063825	9,90	9,90	133	87	1	5
11400110995	3221910063849	9,95	9,95	133	87	1	5
11400111000	3221910063856	10,00	10,00	133	87	1	5
11400111010	3221910063863	10,10	10,10	133	87	1	5
11400111020	3221910063870	10,20	10,20	133	87	1	5
11400111025	3221910063887	10,25	10,25	133	87	1	5
11400111030	3221910063894	10,30	10,30	133	87	1	5
11400111040	3221910063917	10,40	10,40	133	87	1	5
11400111050	3221910063924	10,50	10,50	133	87	1	5
11400111060	3221910063931	10,60	10,60	133	87	1	5
11400111070	3221910063948	10,70	10,70	142	94	1	5
11400111075	3221910063962	10,75	10,75	142	94	1	5
11400111080	3221910063979	10,80	10,80	142	94	1	5
11400111090	3221910063993	10,90	10,90	142	94	1	5
11400111100	3221910064006	11,00	11,00	142	94	1	5
11400111110	3221910064013	11,10	11,10	142	94	1	5
11400111120	3221910064037	11,20	11,20	142	94	1	5
11400111125	3221910064044	11,25	11,25	142	94	1	5
11400111130	3221910064051	11,30	11,30	142	94	1	5
11400111140	3221910064068	11,40	11,40	142	94	1	5
11400111150	3221910064075	11,50	11,50	142	94	1	5
11400111160	3221910064099	11,60	11,60	142	94	1	5
11400111170	3221910064105	11,70	11,70	142	94	1	5
11400111175	3221910064112	11,75	11,75	142	94	1	5
11400111180	3221910064129	11,80	11,80	142	94	1	5
11400111190	3221910064136	11,90	11,90	151	101	1	5

#01

1140011	EAN	Ø	d2	L	l1	QTY	PCB
11400111200	3221910064150	12,00	12,00	151	101	1	5
11400111210	3221910064167	12,10	12,10	151	101	1	5
11400111220	3221910064174	12,20	12,20	151	101	1	5
11400111225	3221910064181	12,25	12,25	151	101	1	5
11400111230	3221910064198	12,30	12,30	151	101	1	5
11400111240	3221910064204	12,40	12,40	151	101	1	5
11400111250	3221910064211	12,50	12,50	151	101	1	5
11400111260	3221910064228	12,60	12,60	151	101	1	5
11400111270	3221910064235	12,70	12,70	151	101	1	5
11400111275	3221910064242	12,75	12,75	151	101	1	5
11400111280	3221910064259	12,80	12,80	151	101	1	5
11400111290	3221910064273	12,90	12,90	151	101	1	5
11400111300	3221910064280	13,00	13,00	151	101	1	5
11400111330	3221910064327	13,30	13,30	160	108	1	5
11400111340	3221910064334	13,40	13,40	160	108	1	5
11400111350	3221910064358	13,50	13,50	160	108	1	5
11400111360	3221910064365	13,60	13,60	160	108	1	5
11400111370	3221910064372	13,70	13,70	160	108	1	5
11400111375	3221910064389	13,75	13,75	160	108	1	5
11400111380	3221910064396	13,80	13,80	160	108	1	5
11400111390	3221910064419	13,90	13,90	160	108	1	5
11400111400	3221910064426	14,00	14,00	160	108	1	5
11400111410	3221910064433	14,10	14,10	169	114	1	5
11400111420	3221910064440	14,20	14,20	169	114	1	5
11400111425	3221910064457	14,25	14,25	169	114	1	5
11400111430	3221910064471	14,30	14,30	169	114	1	5
11400111440	3221910064488	14,40	14,40	169	114	1	5
11400111450	3221910064495	14,50	14,50	169	114	1	5
11400111460	3221910064501	14,60	14,60	169	114	1	5
11400111470	3221910064525	14,70	14,70	169	114	1	5
11400111475	3221910064532	14,75	14,75	169	114	1	5
11400111480	3221910064549	14,80	14,80	169	114	1	5
11400111490	3221910064563	14,90	14,90	169	114	1	5
11400111500	3221910064570	15,00	15,00	169	114	1	5
11400111550	3221910064655	15,50	15,50	178	120	1	1
11400111600	3221910064723	16,00	16,00	178	120	1	1
11400111620	3221910064747	16,20	16,20	184	125	1	1
11400111625	3221910064754	16,25	16,25	184	125	1	1
11400111650	3221910064785	16,50	16,50	184	125	1	1
11400111675	3221910064808	16,75	16,75	184	125	1	1
11400111680	3221910064815	16,80	16,80	184	125	1	1
11400111700	3221910064839	17,00	17,00	184	125	1	1
11400111725	3221910064860	17,25	17,25	191	130	1	1
11400111750	3221910064884	17,50	17,50	191	130	1	1
11400111775	3221910064891	17,75	17,75	191	130	1	1
11400111800	3221910064914	18,00	18,00	191	130	1	1
11400111825	3221910064921	18,25	18,25	191	130	1	1
11400111850	3221910064945	18,50	18,50	198	135	1	1
11400111875	3221910064969	18,75	18,75	198	135	1	1
11400111900	3221910064976	19,00	19,00	198	135	1	1
11400111905	3221910064983	19,05	19,05	198	135	1	1
11400111925	3221910064990	19,25	19,25	205	140	1	1
11400111950	3221910065010	19,50	19,50	205	140	1	1
11400111975	3221910065027	19,75	19,75	205	140	1	1
11400112000	3221910065041	20,00	20,00	205	140	1	1

001RS | HSS FULLY GROUND JOBBER LENGTH DRILL. REDUCED SHANK

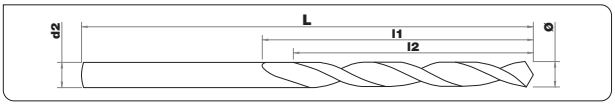
001RS | BROCA HSS RECTIFICADA CILÍDRICA. SERIE CORTA. MANGO REDUCIDO.

001RS | PUNTA HSS CILINDRICA CORTA. TIPO N | GAMBO RIDOTTO.

#01

HSS | STEAM TREATED | DIN 338 | 3xd

118° | N TYPE | h8



For steels and cast irons. Robustness, accuracy.

Para Aceros y fundiciones. Robustez, precisión.

Foratura di acciai <950 N/mm² e ghise. Robustezza e precisione.

AB — Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

C — Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

H — Austenitic stainless steels
Aceros inoxidables austeniticos
Acciai inossidabili austenitici

IJ — Cast iron
Fundiciones
Ghisa

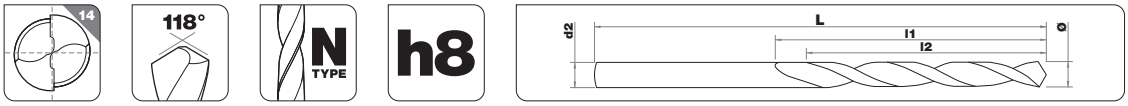
1140041	EAN	Ø	d2	L	l1	QTY	PCB
11400411300	3221910126735	13,00	10,00	151	101	1	1
11400411350	3221910126766	13,50	12,00	160	108	1	1
11400411400	3221910126780	14,00	12,00	160	108	1	1
11400411450	3221910126810	14,50	12,00	169	114	1	1
11400411500	3221910126834	15,00	12,00	169	114	1	1
11400411550	3221910126872	15,50	12,00	178	120	1	1
11400411600	3221910126896	16,00	12,00	178	120	1	1
11400411650	3221910126926	16,50	12,00	184	125	1	1
11400411700	3221910126940	17,00	12,00	184	125	1	1
11400411750	3221910126964	17,50	12,00	191	130	1	1
11400411800	3221910126971	18,00	12,00	191	130	1	1
11400411850	3221910126995	18,50	12,00	198	135	1	1
11400411900	3221910127008	19,00	12,00	198	135	1	1
11400411950	3221910127022	19,50	12,00	205	140	1	1
11400412000	3221910127046	20,00	12,00	205	140	1	1
11400412100	3221910127077	21,00	12,00	205	140	1	1
11400412200	3221910127091	22,00	12,00	210	150	1	1
11400412300	3221910127121	23,00	12,00	210	150	1	1
11400412400	3221910127145	24,00	12,00	220	160	1	1
11400412500	3221910127169	25,00	12,00	220	160	1	1

ALTAIS | HSS FULLY GROUND JOBBER LENGTH DRILL. ELLIPTIC POINT.

ALTAIS | BROCA HSS RECTIFICADA CILÍNDRICA. SERIE CORTA. AFILADO ELÍPTICO.

ALTAIS | PUNTA HSS CILINDRICA CORTA. TIPO N | AFFILATURA ELLITTICA.

#01



For steels and cast irons. Comfort, accuracy.

Para Aceros y fundiciones. Confort, precisión.

Foratura di acciai <950 N/mm². Comfort e precisione.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

H Austenitic stainless steels
Aceros inoxidables austeniticos
Acciai inossidabili austenitici

IJ Cast iron
Fundiciones
Ghisa

NO Copper alloys
Aleaciones de cobre
Leghe di rame

8140031	EAN	Ø	d2	L	l1	QTY	PCB
81400310020	3221910841379	0,20	0,20	19	3	1	10
81400310025	3221910841386	0,25	0,25	19	3	1	10
81400310030	3221910841393	0,30	0,30	19	3	1	10
81400310040	3221910841409	0,40	0,40	20	5	1	10
81400310050	3221910841416	0,50	0,50	22	6	1	10
81400310060	3221910841423	0,60	0,60	24	7	1	10
81400310070	3221910841430	0,70	0,70	28	9	1	10
81400310075	3221910841447	0,75	0,75	28	9	1	10
81400310080	3221910841454	0,80	0,80	30	10	1	10
81400310090	3221910841461	0,90	0,90	32	11	1	10
81400310100	3221910841478	1,00	1,00	34	12	1	10
81400310110	3221910841485	1,10	1,10	36	14	1	10
81400310120	3221910841492	1,20	1,20	38	16	1	10
81400310125	3221910841508	1,25	1,25	38	16	1	10
81400310130	3221910841515	1,30	1,30	38	16	1	10
81400310140	3221910841522	1,40	1,40	40	18	1	10
81400310150	3221910841539	1,50	1,50	40	18	1	10
81400310160	3221910841546	1,60	1,60	43	20	1	10
81400310170	3221910841553	1,70	1,70	43	20	1	10
81400310175	3221910841560	1,75	1,75	46	22	1	10
81400310180	3221910841577	1,80	1,80	46	22	1	10
81400310190	3221910841584	1,90	1,90	46	22	1	10
81400310200	3221910841591	2,00	2,00	49	24	1	10
81400310210	3221910841607	2,10	2,10	49	24	1	10
81400310220	3221910841614	2,20	2,20	53	27	1	10
81400310225	3221910841621	2,25	2,25	53	27	1	10
81400310230	3221910841638	2,30	2,30	53	27	1	10
81400310240	3221910841645	2,40	2,40	57	30	1	10
81400310250	3221910841652	2,50	2,50	57	30	1	10
81400310260	3221910841669	2,60	2,60	57	30	1	10
81400310270	3221910841676	2,70	2,70	61	33	1	10
81400310275	3221910841683	2,75	2,75	61	33	1	10
81400310280	3221910841690	2,80	2,80	61	33	1	10
81400310290	3221910841706	2,90	2,90	61	33	1	10
81400310300	3221910841713	3,00	3,00	61	33	1	10
81400310310	3221910841720	3,10	3,10	65	36	1	10
81400310320	3221910841737	3,20	3,20	65	36	1	10
81400310325	3221910841744	3,25	3,25	65	36	1	10
81400310330	3221910841751	3,30	3,30	65	36	1	10
81400310340	3221910841768	3,40	3,40	70	39	1	10
81400310350	3221910841775	3,50	3,50	70	39	1	10
81400310360	3221910841782	3,60	3,60	70	39	1	10
81400310370	3221910841799	3,70	3,70	70	39	1	10
81400310375	3221910841805	3,75	3,75	70	39	1	10
81400310380	3221910841812	3,80	3,80	75	43	1	10
81400310390	3221910841829	3,90	3,90	75	43	1	10
81400310400	3221910841836	4,00	4,00	75	43	1	10
81400310410	3221910841843	4,10	4,10	75	43	1	10
81400310420	3221910841850	4,20	4,20	75	43	1	10
81400310425	3221910841867	4,25	4,25	75	43	1	10
81400310430	3221910841874	4,30	4,30	80	47	1	10

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81400310440	3221910841881	4,40	4,40	80	47	1	10
81400310450	3221910841898	4,50	4,50	80	47	1	10
81400310460	3221910841904	4,60	4,60	80	47	1	10
81400310470	3221910841911	4,70	4,70	80	47	1	10
81400310475	3221910841928	4,75	4,75	80	47	1	10
81400310480	3221910841935	4,80	4,80	86	52	1	10
81400310490	3221910841942	4,90	4,90	86	52	1	10
81400310500	3221910841959	5,00	5,00	86	52	1	10
81400310510	3221910841966	5,10	5,10	86	52	1	10
81400310520	3221910841973	5,20	5,20	86	52	1	10
81400310525	3221910841980	5,25	5,25	86	52	1	10
81400310530	3221910841997	5,30	5,30	86	52	1	10
81400310540	3221910842000	5,40	5,40	93	57	1	10
81400310550	3221910842017	5,50	5,50	93	57	1	10
81400310560	3221910842024	5,60	5,60	93	57	1	10
81400310570	3221910842031	5,70	5,70	93	57	1	10
81400310575	3221910842048	5,75	5,75	93	57	1	10
81400310580	3221910842055	5,80	5,80	93	57	1	10
81400310590	3221910842062	5,90	5,90	93	57	1	10
81400310600	3221910842079	6,00	6,00	93	57	1	10
81400310610	3221910842086	6,10	6,10	101	63	1	10
81400310620	3221910842093	6,20	6,20	101	63	1	10
81400310625	3221910842109	6,25	6,25	101	63	1	10
81400310630	3221910842116	6,30	6,30	101	63	1	10
81400310640	3221910842123	6,40	6,40	101	63	1	10
81400310650	3221910842130	6,50	6,50	101	63	1	10
81400310660	3221910842147	6,60	6,60	101	63	1	10
81400310670	3221910842154	6,70	6,70	101	63	1	10
81400310675	3221910842161	6,75	6,75	109	69	1	10
81400310680	3221910842178	6,80	6,80	109	69	1	10
81400310690	3221910842185	6,90	6,90	109	69	1	10
81400310700	3221910842192	7,00	7,00	109	69	1	10
81400310710	3221910842208	7,10	7,10	109	69	1	10
81400310720	3221910842215	7,20	7,20	109	69	1	10
81400310725	3221910842222	7,25	7,25	109	69	1	10
81400310730	3221910842239	7,30	7,30	109	69	1	10
81400310740	3221910842246	7,40	7,40	109	69	1	10
81400310750	3221910842253	7,50	7,50	109	69	1	10
81400310760	3221910842260	7,60	7,60	117	75	1	10
81400310770	3221910842277	7,70	7,70	117	75	1	10
81400310775	3221910842284	7,75	7,75	117	75	1	10
81400310780	3221910842291	7,80	7,80	117	75	1	10
81400310790	3221910842307	7,90	7,90	117	75	1	10
81400310800	3221910842314	8,00	8,00	117	75	1	10
81400310810	3221910842321	8,10	8,10	117	75	1	5
81400310820	3221910842338	8,20	8,20	117	75	1	5
81400310825	3221910842345	8,25	8,25	117	75	1	5
81400310830	3221910842352	8,30	8,30	117	75	1	5
81400310840	3221910842369	8,40	8,40	117	75	1	5
81400310850	3221910842376	8,50	8,50	117	75	1	5
81400310860	3221910842383	8,60	8,60	125	81	1	5
81400310870	3221910842390	8,70	8,70	125	81	1	5
81400310875	3221910842406	8,75	8,75	125	81	1	5
81400310880	3221910842413	8,80	8,80	125	81	1	5
81400310890	3221910842420	8,90	8,90	125	81	1	5
81400310900	3221910842437	9,00	9,00	125	81	1	5
81400310910	3221910842444	9,10	9,10	125	81	1	5
81400310920	3221910842451	9,20	9,20	125	81	1	5
81400310925	3221910842468	9,25	9,25	125	81	1	5
81400310930	3221910842475	9,30	9,30	125	81	1	5
81400310940	3221910842482	9,40	9,40	125	81	1	5
81400310950	3221910842499	9,50	9,50	125	81	1	5
81400310960	3221910842505	9,60	9,60	133	87	1	5
81400310970	3221910842512	9,70	9,70	133	87	1	5
81400310975	3221910842529	9,75	9,75	133	87	1	5
81400310980	3221910842536	9,80	9,80	133	87	1	5
81400310990	3221910842543	9,90	9,90	133	87	1	5
81400311000	3221910842550	10,00	10,00	133	87	1	5
81400311010	3221910842567	10,10	10,10	133	87	1	5
81400311020	3221910842574	10,20	10,20	133	87	1	5
81400311025	3221910842581	10,25	10,25	133	87	1	5
81400311030	3221910842598	10,30	10,30	133	87	1	5
81400311040	3221910842604	10,40	10,40	133	87	1	5
81400311050	3221910842611	10,50	10,50	133	87	1	5
81400311060	3221910842628	10,60	10,60	133	87	1	5
81400311070	3221910842635	10,70	10,70	142	94	1	5
81400311075	3221910842642	10,75	10,75	142	94	1	5
81400311080	3221910842659	10,80	10,80	142	94	1	5
81400311090	3221910842666	10,90	10,90	142	94	1	5
81400311100	3221910842673	11,00	11,00	142	94	1	5
81400311110	3221910842680	11,10	11,10	142	94	1	5

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8140031	EAN	Ø	d2	L	l1	QTY	PCB
81400311120	3221910842697	11,20	11,20	142	94	1	5
81400311125	3221910842703	11,25	11,25	142	94	1	5
81400311130	3221910842710	11,30	11,30	142	94	1	5
81400311140	3221910842727	11,40	11,40	142	94	1	5
81400311150	3221910842734	11,50	11,50	142	94	1	5
81400311160	3221910842741	11,60	11,60	142	94	1	5
81400311170	3221910842758	11,70	11,70	142	94	1	5
81400311175	3221910842765	11,75	11,75	142	94	1	5
81400311180	3221910842772	11,80	11,80	142	94	1	5
81400311190	3221910842789	11,90	11,90	151	101	1	5
81400311200	3221910842796	12,00	12,00	151	101	1	5
81400311210	3221910842802	12,10	12,10	151	101	1	5
81400311220	3221910842819	12,20	12,20	151	101	1	5
81400311225	3221910842826	12,25	12,25	151	101	1	5
81400311230	3221910842833	12,30	12,30	151	101	1	5
81400311240	3221910842840	12,40	12,40	151	101	1	5
81400311250	3221910842857	12,50	12,50	151	101	1	5
81400311260	3221910842864	12,60	12,60	151	101	1	5
81400311270	3221910842871	12,70	12,70	151	101	1	5
81400311275	3221910842888	12,75	12,75	151	101	1	5
81400311280	3221910842895	12,80	12,80	151	101	1	5
81400311290	3221910842901	12,90	12,90	151	101	1	5
81400311300	3221910842918	13,00	13,00	151	101	1	5
81400311330	3221910842925	13,30	13,30	160	108	1	5
81400311340	3221910842932	13,40	13,40	160	108	1	5
81400311350	3221910842949	13,50	13,50	160	108	1	5
81400311360	3221910842956	13,60	13,60	160	108	1	5
81400311370	3221910842963	13,70	13,70	160	108	1	5
81400311380	3221910842970	13,80	13,80	160	108	1	5
81400311390	3221910842987	13,90	13,90	160	108	1	5
81400311400	3221910842994	14,00	14,00	160	108	1	5
81400311410	3221910843007	14,10	14,10	169	114	1	5
81400311420	3221910843014	14,20	14,20	169	114	1	5
81400311430	3221910843021	14,30	14,30	169	114	1	5
81400311440	3221910843038	14,40	14,40	169	114	1	5
81400311450	3221910843045	14,50	14,50	169	114	1	5
81400311460	3221910843052	14,60	14,60	169	114	1	5
81400311470	3221910843069	14,70	14,70	169	114	1	5
81400311480	3221910843076	14,80	14,80	169	114	1	5
81400311490	3221910843083	14,90	14,90	169	114	1	5
81400311500	3221910843090	15,00	15,00	169	114	1	5
81400311550	3221910843106	15,50	15,50	178	120	1	1
81400311600	3221910843113	16,00	16,00	178	120	1	1

LH | HSS FULLY GROUND JOBBER LENGTH DRILL. LEFT HAND

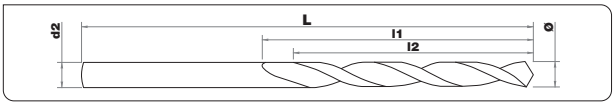
LH | BROCA HSS RECTIFICADA CILÍDRICA. SERIE CORTA. IZQUIERDA.

LH | PUNTA HSS CILINDRICA CORTA. TIPO N | TAGLIO SINISTRO

#01

HSS | BRIGHT UNCOATED | DIN 338 | 3xd

118° | N TYPE | h8



For steels and cast irons. Robustness, accuracy.

Para Aceros y fundiciones. Robustez, precisión.

Foratura di acciai <950 N/mm² e ghise. Robustezza e precisione

AB — Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

C — Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

IJ — Cast iron
Fundiciones
Ghisa

K — Fat aluminium alloys
Aleaciones de aluminio dúctil
Leghe di alluminio grasso

8140061	EAN	ø	d2	L	l1	QTY	PCB
81400610100	3221910328474	1,00	1,00	34	12	1	10
81400610110	3221910328481	1,10	1,10	36	14	1	10
81400610120	3221910328498	1,20	1,20	38	16	1	10
81400610125	3221910328504	1,25	1,25	38	16	1	10
81400610130	3221910328511	1,30	1,30	38	16	1	10
81400610140	3221910328528	1,40	1,40	40	18	1	10
81400610150	3221910328535	1,50	1,50	40	18	1	10
81400610160	3221910328542	1,60	1,60	43	20	1	10
81400610170	3221910328559	1,70	1,70	43	20	1	10
81400610175	3221910328566	1,75	1,75	46	22	1	10
81400610180	3221910328573	1,80	1,80	46	22	1	10
81400610190	3221910328580	1,90	1,90	46	22	1	10
81400610200	3221910328603	2,00	2,00	49	24	1	10
81400610210	3221910328610	2,10	2,10	49	24	1	10
81400610220	3221910328627	2,20	2,20	53	27	1	10
81400610225	3221910328634	2,25	2,25	53	27	1	10
81400610230	3221910328641	2,30	2,30	53	27	1	10
81400610240	3221910328658	2,40	2,40	57	30	1	10
81400610250	3221910328665	2,50	2,50	57	30	1	10
81400610260	3221910328689	2,60	2,60	57	30	1	10
81400610270	3221910328696	2,70	2,70	61	33	1	10
81400610275	3221910328702	2,75	2,75	61	33	1	10
81400610280	3221910328719	2,80	2,80	61	33	1	10
81400610290	3221910328726	2,90	2,90	61	33	1	10
81400610300	3221910328733	3,00	3,00	61	33	1	10
81400610310	3221910328740	3,10	3,10	65	36	1	10
81400610320	3221910328757	3,20	3,20	65	36	1	10
81400610325	3221910328764	3,25	3,25	65	36	1	10
81400610330	3221910328771	3,30	3,30	65	36	1	10
81400610340	3221910328788	3,40	3,40	70	39	1	10
81400610350	3221910328795	3,50	3,50	70	39	1	10
81400610360	3221910328801	3,60	3,60	70	39	1	10
81400610370	3221910328818	3,70	3,70	70	39	1	10
81400610375	3221910328825	3,75	3,75	70	39	1	10
81400610380	3221910328832	3,80	3,80	75	43	1	10
81400610390	3221910328849	3,90	3,90	75	43	1	10
81400610400	3221910328856	4,00	4,00	75	43	1	10
81400610420	3221910328887	4,20	4,20	75	43	1	10
81400610425	3221910328894	4,25	4,25	75	43	1	10
81400610430	3221910328900	4,30	4,30	80	47	1	10
81400610440	3221910328917	4,40	4,40	80	47	1	10
81400610450	3221910328924	4,50	4,50	80	47	1	10
81400610460	3221910328948	4,60	4,60	80	47	1	10
81400610470	3221910328955	4,70	4,70	80	47	1	10
81400610475	3221910328962	4,75	4,75	80	47	1	10
81400610480	3221910328979	4,80	4,80	86	52	1	10
81400610490	3221910328986	4,90	4,90	86	52	1	10
81400610500	3221910328993	5,00	5,00	86	52	1	10
81400610510	3221910329006	5,10	5,10	86	52	1	10
81400610520	3221910329037	5,20	5,20	86	52	1	10
81400610525	3221910329044	5,25	5,25	86	52	1	10

#01

8140061	EAN	Ø	d2	L	l1	QTY	PCB
81400610530	3221910329051	5,30	5,30	86	52	1	10
81400610540	3221910329068	5,40	5,40	93	57	1	10
81400610550	3221910329075	5,50	5,50	93	57	1	10
81400610560	3221910329082	5,60	5,60	93	57	1	10
81400610570	3221910329099	5,70	5,70	93	57	1	10
81400610575	3221910329105	5,75	5,75	93	57	1	10
81400610580	3221910329112	5,80	5,80	93	57	1	10
81400610590	3221910329129	5,90	5,90	93	57	1	10
81400610600	3221910329136	6,00	6,00	93	57	1	10
81400610610	3221910329143	6,10	6,10	101	63	1	10
81400610620	3221910329150	6,20	6,20	101	63	1	10
81400610625	3221910329167	6,25	6,25	101	63	1	10
81400610630	3221910329174	6,30	6,30	101	63	1	10
81400610640	3221910329181	6,40	6,40	101	63	1	10
81400610650	3221910329198	6,50	6,50	101	63	1	10
81400610660	3221910329204	6,60	6,60	101	63	1	10
81400610670	3221910329228	6,70	6,70	101	63	1	10
81400610675	3221910329235	6,75	6,75	109	69	1	10
81400610680	3221910329242	6,80	6,80	109	69	1	10
81400610690	3221910329259	6,90	6,90	109	69	1	10
81400610700	3221910329266	7,00	7,00	109	69	1	10
81400610710	3221910329273	7,10	7,10	109	69	1	10
81400610720	3221910329280	7,20	7,20	109	69	1	10
81400610725	3221910329297	7,25	7,25	109	69	1	10
81400610730	3221910329303	7,30	7,30	109	69	1	10
81400610740	3221910329310	7,40	7,40	109	69	1	10
81400610750	3221910329327	7,50	7,50	109	69	1	10
81400610760	3221910329334	7,60	7,60	117	75	1	10
81400610770	3221910329341	7,70	7,70	117	75	1	10
81400610775	3221910329358	7,75	7,75	117	75	1	10
81400610780	3221910329365	7,80	7,80	117	75	1	10
81400610790	3221910329372	7,90	7,90	117	75	1	10
81400610800	3221910329389	8,00	8,00	117	75	1	10
81400610810	3221910329396	8,10	8,10	117	75	1	5
81400610820	3221910329402	8,20	8,20	117	75	1	5
81400610825	3221910329419	8,25	8,25	117	75	1	5
81400610830	3221910329426	8,30	8,30	117	75	1	5
81400610840	3221910329433	8,40	8,40	117	75	1	5
81400610850	3221910329440	8,50	8,50	117	75	1	5
81400610860	3221910329457	8,60	8,60	125	81	1	5
81400610870	3221910329464	8,70	8,70	125	81	1	5
81400610875	3221910329471	8,75	8,75	125	81	1	5
81400610880	3221910329488	8,80	8,80	125	81	1	5
81400610890	3221910329495	8,90	8,90	125	81	1	5
81400610900	3221910329501	9,00	9,00	125	81	1	5
81400610910	3221910329518	9,10	9,10	125	81	1	5
81400610920	3221910329525	9,20	9,20	125	81	1	5
81400610930	3221910329549	9,30	9,30	125	81	1	5
81400610940	3221910329556	9,40	9,40	125	81	1	5
81400610950	3221910329563	9,50	9,50	125	81	1	5
81400610960	3221910329570	9,60	9,60	133	87	1	5
81400610970	3221910329587	9,70	9,70	133	87	1	5
81400610980	3221910329600	9,80	9,80	133	87	1	5
81400610990	3221910329617	9,90	9,90	133	87	1	5
81400611000	3221910329624	10,00	10,00	133	87	1	5
81400611050	3221910329679	10,50	10,50	133	87	1	5
81400611100	3221910329723	11,00	11,00	142	94	1	5
81400611150	3221910329785	11,50	11,50	142	94	1	5
81400611200	3221910329839	12,00	12,00	151	101	1	5
81400611250	3221910329877	12,50	12,50	151	101	1	5
81400611300	3221910329914	13,00	13,00	151	101	1	5
81400611350	3221910329976	13,50	13,50	160	108	1	5
81400611400	3221910330019	14,00	14,00	160	108	1	5
81400611450	3221910330040	14,50	14,50	169	114	1	5
81400611500	3221910330064	15,00	15,00	169	114	1	5
81400611550	3221910330095	15,50	15,50	178	120	1	5
81400611600	3221910330118	16,00	16,00	178	120	1	1

TZX | HSS FLAM FULLY GROUND JOBBER LENGTH DRILL. SPLIT POINT.

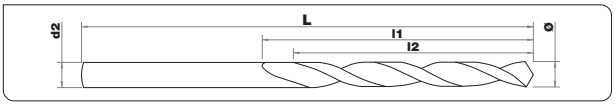
TZX | BROCA HSS FLAM RECTIFICADA CILÍNDRICA CORTA.PUNTA EN CRUZ.

TZX | PUNTA TZX HSS FLAM CILINDRICA CORTA. TIPO N | AFFILATURA A CROCE.

#01

HSS | FLAM COATED | DIN 338 | 3xd

4 | 135° | N TYPE | h8



For steels < 950 N/mm². Speed, life span.

Para aceros < 950 N/mm². Velocidad, duración de vida.

Foratura di acciai <950 N/mm². Velocità e lunga durata .

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

H Austenitic stainless steels
Aceros inoxidables austeniticos
Acciai inossidabili austenitici

1145401	EAN	Ø	d2	L	l1	QTY	PCB
11454010050	3221910847951	0,50	0,50	22	6	1	10
11454010060	3221910847968	0,60	0,60	24	7	1	10
11454010070	3221910847975	0,70	0,70	28	9	1	10
11454010080	3221910847982	0,80	0,80	30	10	1	10
11454010090	3221910847999	0,90	0,90	32	11	1	10
11454010100	3221910848002	1,00	1,00	34	12	1	10
11454010110	3221910848019	1,10	1,10	36	14	1	10
11454010120	3221910848026	1,20	1,20	38	16	1	10
11454010130	3221910848033	1,30	1,30	38	16	1	10
11454010140	3221910848040	1,40	1,40	40	18	1	10
11454010150	3221910848057	1,50	1,50	40	18	1	10
11454010160	3221910848064	1,60	1,60	43	20	1	10
11454010170	3221910848071	1,70	1,70	43	20	1	10
11454010180	3221910848088	1,80	1,80	46	22	1	10
11454010190	3221910848095	1,90	1,90	46	22	1	10
11454010200	3221910848101	2,00	2,00	49	24	1	10
11454010210	3221910848118	2,10	2,10	49	24	1	10
11454010220	3221910848125	2,20	2,20	53	27	1	10
11454010230	3221910848132	2,30	2,30	53	27	1	10
11454010240	3221910848149	2,40	2,40	57	30	1	10
11454010250	3221910848156	2,50	2,50	57	30	1	10
11454010260	3221910848163	2,60	2,60	57	30	1	10
11454010270	3221910848170	2,70	2,70	61	33	1	10
11454010280	3221910848187	2,80	2,80	61	33	1	10
11454010290	3221910848194	2,90	2,90	61	33	1	10
11454010300	3221910848200	3,00	3,00	61	33	1	10
11454010310	3221910848217	3,10	3,10	65	36	1	10
11454010320	3221910848224	3,20	3,20	65	36	1	10
11454010325	3221910848231	3,25	3,25	65	36	1	10
11454010330	3221910848248	3,30	3,30	65	36	1	10
11454010340	3221910848255	3,40	3,40	70	39	1	10
11454010350	3221910848262	3,50	3,50	70	39	1	10
11454010360	3221910848279	3,60	3,60	70	39	1	10
11454010370	3221910848286	3,70	3,70	70	39	1	10
11454010380	3221910848293	3,80	3,80	75	43	1	10
11454010390	3221910848309	3,90	3,90	75	43	1	10
11454010400	3221910848316	4,00	4,00	75	43	1	10
11454010410	3221910848323	4,10	4,10	75	43	1	10
11454010420	3221910848330	4,20	4,20	75	43	1	10
11454010425	3221910848347	4,25	4,25	75	43	1	10
11454010430	3221910848354	4,30	4,30	80	47	1	10
11454010440	3221910848361	4,40	4,40	80	47	1	10
11454010450	3221910848378	4,50	4,50	80	47	1	10
11454010460	3221910848385	4,60	4,60	80	47	1	10
11454010470	3221910848392	4,70	4,70	80	47	1	10
11454010480	3221910848408	4,80	4,80	86	52	1	10
11454010490	3221910848415	4,90	4,90	86	52	1	10
11454010500	3221910848422	5,00	5,00	86	52	1	10
11454010510	3221910848439	5,10	5,10	86	52	1	10
11454010520	3221910848446	5,20	5,20	86	52	1	10
11454010525	3221910848453	5,25	5,25	86	52	1	10
11454010530	3221910848460	5,30	5,30	86	52	1	10
11454010540	3221910848477	5,40	5,40	93	57	1	10
11454010550	3221910848484	5,50	5,50	93	57	1	10
11454010560	3221910848491	5,60	5,60	93	57	1	10
11454010570	3221910848507	5,70	5,70	93	57	1	10

#01

1145401	EAN	Ø	d2	L	l1	QTY	PCB
11454010580	3221910848514	5,80	5,80	93	57	1	10
11454010590	3221910848521	5,90	5,90	93	57	1	10
11454010600	3221910848538	6,00	6,00	93	57	1	10
11454010610	3221910848545	6,10	6,10	101	63	1	10
11454010620	3221910848552	6,20	6,20	101	63	1	10
11454010630	3221910848569	6,30	6,30	101	63	1	10
11454010640	3221910848576	6,40	6,40	101	63	1	10
11454010650	3221910848583	6,50	6,50	101	63	1	10
11454010660	3221910848590	6,60	6,60	101	63	1	10
11454010670	3221910848606	6,70	6,70	101	63	1	10
11454010675	3221910848613	6,75	6,75	109	69	1	10
11454010680	3221910848620	6,80	6,80	109	69	1	10
11454010690	3221910848637	6,90	6,90	109	69	1	10
11454010700	3221910848644	7,00	7,00	109	69	1	10
11454010710	3221910848651	7,10	7,10	109	69	1	10
11454010720	3221910848668	7,20	7,20	109	69	1	10
11454010730	3221910848675	7,30	7,30	109	69	1	10
11454010740	3221910848682	7,40	7,40	109	69	1	10
11454010750	3221910848699	7,50	7,50	109	69	1	10
11454010760	3221910848705	7,60	7,60	117	75	1	10
11454010770	3221910848712	7,70	7,70	117	75	1	10
11454010780	3221910848729	7,80	7,80	117	75	1	10
11454010790	3221910848736	7,90	7,90	117	75	1	10
11454010800	3221910848743	8,00	8,00	117	75	1	10
11454010810	3221910848750	8,10	8,10	117	75	1	5
11454010820	3221910848767	8,20	8,20	117	75	1	5
11454010830	3221910848774	8,30	8,30	117	75	1	5
11454010840	3221910848781	8,40	8,40	117	75	1	5
11454010850	3221910848798	8,50	8,50	117	75	1	5
11454010860	3221910848804	8,60	8,60	125	81	1	5
11454010870	3221910848811	8,70	8,70	125	81	1	5
11454010880	3221910848828	8,80	8,80	125	81	1	5
11454010890	3221910848835	8,90	8,90	125	81	1	5
11454010900	3221910848842	9,00	9,00	125	81	1	5
11454010910	3221910848859	9,10	9,10	125	81	1	5
11454010920	3221910848866	9,20	9,20	125	81	1	5
11454010930	3221910848873	9,30	9,30	125	81	1	5
11454010940	3221910848880	9,40	9,40	125	81	1	5
11454010950	3221910848897	9,50	9,50	125	81	1	5
11454010960	3221910848903	9,60	9,60	133	87	1	5
11454010970	3221910848910	9,70	9,70	133	87	1	5
11454010980	3221910848927	9,80	9,80	133	87	1	5
11454010990	3221910848934	9,90	9,90	133	87	1	5
11454011000	3221910848941	10,00	10,00	133	87	1	5
11454011010	3221910848958	10,10	10,10	133	87	1	5
11454011020	3221910848965	10,20	10,20	133	87	1	5
11454011025	3221910848972	10,25	10,25	133	87	1	5
11454011030	3221910848989	10,30	10,30	133	87	1	5
11454011040	3221910848996	10,40	10,40	133	87	1	5
11454011050	3221910849009	10,50	10,50	133	87	1	5
11454011100	3221910849016	11,00	11,00	142	94	1	5
11454011150	3221910849023	11,50	11,50	142	94	1	5
11454011200	3221910849030	12,00	12,00	151	101	1	5
11454011250	3221910849047	12,50	12,50	151	101	1	5
11454011300	3221910849054	13,00	13,00	151	101	1	5

HSS FULLY GROUND JOBBER LENGTH DRILL. S W TYPE.

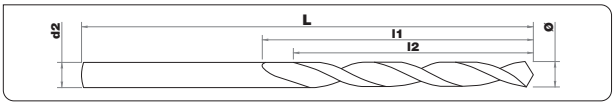
BROCA HSS FLAM RECTIFICADA CILÍNDRICA CORTA. TIPO S W.

PUNTA HSS CILINDRICA CORTA. TIPO S/W PER ALLUMINIO.

#01

HSS | BRIGHT UNCOATED | DIN 338 | 3xd

2 | 135° | N TYPE | h8



For aluminium. Reduction of adhesive wear.(inserted edge).

Para aluminio. Reducción del desgaste adhesivo. (Filo recrecido).

Foratura di alluminio. Riduzione dell'usura.

K Fat aluminium alloys
Aleaciones de aluminio dúctil
Leghe di alluminio grasso

L Aluminium alloys Si<10%
Aleaciones de aluminio Si<10%
Leghe di alluminio grasso Si <10%

1140071	EAN	Ø	d2	L	l1	QTY	PCB
11400710250	3221910128364	2,50	2,50	57	30	1	10
11400710260	3221910128388	2,60	2,60	57	30	1	10
11400710270	3221910128401	2,70	2,70	61	33	1	10
11400710280	3221910128425	2,80	2,80	61	33	1	10
11400710290	3221910128449	2,90	2,90	61	33	1	10
11400710300	3221910128463	3,00	3,00	61	33	1	10
11400710310	3221910128470	3,10	3,10	65	36	1	10
11400710320	3221910128494	3,20	3,20	65	36	1	10
11400710330	3221910128517	3,30	3,30	65	36	1	10
11400710340	3221910128524	3,40	3,40	70	39	1	10
11400710350	3221910128531	3,50	3,50	70	39	1	10
11400710360	3221910128555	3,60	3,60	70	39	1	10
11400710370	3221910128562	3,70	3,70	70	39	1	10
11400710380	3221910128586	3,80	3,80	75	43	1	10
11400710390	3221910128593	3,90	3,90	75	43	1	10
11400710400	3221910128616	4,00	4,00	75	43	1	10
11400710410	3221910128623	4,10	4,10	75	43	1	10
11400710420	3221910128630	4,20	4,20	75	43	1	10
11400710430	3221910128654	4,30	4,30	80	47	1	10
11400710440	3221910128678	4,40	4,40	80	47	1	10
11400710450	3221910128685	4,50	4,50	80	47	1	10
11400710460	3221910128692	4,60	4,60	80	47	1	10
11400710470	3221910128708	4,70	4,70	80	47	1	10
11400710480	3221910128739	4,80	4,80	86	52	1	10
11400710490	3221910128746	4,90	4,90	86	52	1	10
11400710500	3221910128753	5,00	5,00	86	52	1	10
11400710510	3221910128760	5,10	5,10	86	52	1	10
11400710520	3221910128784	5,20	5,20	86	52	1	10
11400710530	3221910128807	5,30	5,30	86	52	1	10
11400710540	3221910128814	5,40	5,40	93	57	1	10
11400710550	3221910128821	5,50	5,50	93	57	1	10
11400710560	3221910128845	5,60	5,60	93	57	1	10
11400710570	3221910128852	5,70	5,70	93	57	1	10
11400710580	3221910128876	5,80	5,80	93	57	1	10
11400710590	3221910128883	5,90	5,90	93	57	1	10
11400710600	3221910128906	6,00	6,00	93	57	1	10
11400710610	3221910128913	6,10	6,10	101	63	1	10
11400710620	3221910128920	6,20	6,20	101	63	1	10
11400710630	3221910128944	6,30	6,30	101	63	1	10
11400710640	3221910128968	6,40	6,40	101	63	1	10
11400710650	3221910128975	6,50	6,50	101	63	1	10
11400710660	3221910128982	6,60	6,60	101	63	1	10
11400710670	3221910128999	6,70	6,70	101	63	1	10
11400710680	3221910129019	6,80	6,80	109	69	1	10
11400710690	3221910129026	6,90	6,90	109	69	1	10
11400710700	3221910129033	7,00	7,00	109	69	1	10
11400710710	3221910129040	7,10	7,10	109	69	1	10
11400710720	3221910129064	7,20	7,20	109	69	1	10
11400710730	3221910129088	7,30	7,30	109	69	1	10
11400710740	3221910129095	7,40	7,40	109	69	1	10
11400710750	3221910129101	7,50	7,50	109	69	1	10
11400710760	3221910129125	7,60	7,60	117	75	1	10
11400710770	3221910129132	7,70	7,70	117	75	1	10
11400710780	3221910129156	7,80	7,80	117	75	1	10
11400710790	3221910129163	7,90	7,90	117	75	1	10
11400710800	3221910129187	8,00	8,00	117	75	1	10

1140071	EAN	Ø	d2	L	l1	QTY	PCB
11400710810	3221910129194	8,10	8,10	117	75	1	5
11400710820	3221910129200	8,20	8,20	117	75	1	5
11400710830	3221910129224	8,30	8,30	117	75	1	5
11400710840	3221910129248	8,40	8,40	117	75	1	5
11400710850	3221910129255	8,50	8,50	117	75	1	5
11400710860	3221910129262	8,60	8,60	125	81	1	5
11400710870	3221910129279	8,70	8,70	125	81	1	5
11400710880	3221910129309	8,80	8,80	125	81	1	5
11400710890	3221910129316	8,90	8,90	125	81	1	5
11400710900	3221910129323	9,00	9,00	125	81	1	5
11400710910	3221910129330	9,10	9,10	125	81	1	5
11400710920	3221910129354	9,20	9,20	125	81	1	5
11400710930	3221910129378	9,30	9,30	125	81	1	5
11400710940	3221910129385	9,40	9,40	125	81	1	5
11400710950	3221910129392	9,50	9,50	125	81	1	5
11400710960	3221910129415	9,60	9,60	133	87	1	5
11400710970	3221910129422	9,70	9,70	133	87	1	5
11400710980	3221910129446	9,80	9,80	133	87	1	5
11400710990	3221910129453	9,90	9,90	133	87	1	5
11400711000	3221910129460	10,00	10,00	133	87	1	5
11400711050	3221910129521	10,50	10,50	133	87	1	5
11400711100	3221910129583	11,00	11,00	142	94	1	5
11400711120	3221910129606	11,20	11,20	142	94	1	5
11400711150	3221910129644	11,50	11,50	142	94	1	5
11400711200	3221910129705	12,00	12,00	151	101	1	5
11400711250	3221910129729	12,50	12,50	151	101	1	5
11400711300	3221910129743	13,00	13,00	151	101	1	5

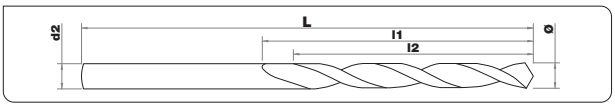
HSCOB FULLY GROUND JOBBER LENGTH DRILL | 4 FACET POINT

BROCA HSCOB RECTIFICADA CILÍNDRICA SERIE CORTA. 4 CARAS.

PUNTA HSCOB CORTA. 4 LISTELLI.

HS COB | BRIGHT UNCOATED | simDIN 338 | 3xd

7 | N TYPE | 30° | h8



Optimized drilling for small diameters < 2,5 mm. Universal app.

Gama optimizada para los pequeños diametros < 2,5 mm. Usos múltiples.

Foratura ottimizzata dei piccoli diametri <2,5mm. Polivalente.

AB
Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD
Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH
Stainless Steels
Aceros inoxidables
Acciai inossidabili

IJ
Cast iron
Fundiciones
Ghisa

KLM
Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

NO
Copper alloys
Aleaciones de cobre
Leghe di rame

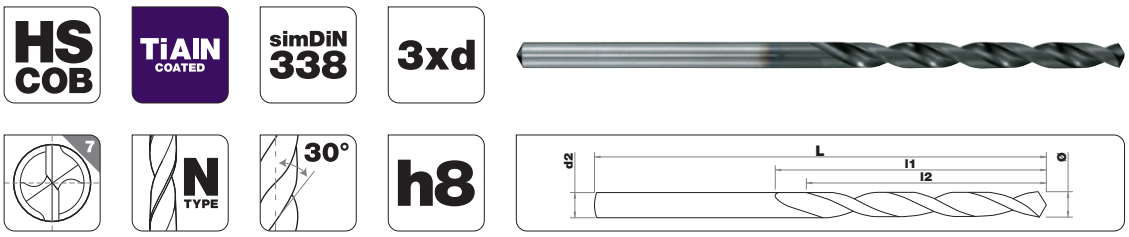
8143991	EAN	Ø	d2	L	l1	QTY	PCB
81439910080	3221910834296	0,80	0,80	30	10	1	10
81439910085	3221910835163	0,85	0,85	30	10	1	10
81439910090	3221910834302	0,90	0,90	32	11	1	10
81439910095	3221910834319	0,95	0,95	32	11	1	10
81439910100	3221910834326	1,00	1,00	34	12	1	10
81439910105	3221910834333	1,05	1,05	34	12	1	10
81439910110	3221910834340	1,10	1,10	36	14	1	10
81439910115	3221910834357	1,15	1,15	36	14	1	10
81439910120	3221910834364	1,20	1,20	38	16	1	10
81439910125	3221910834357	1,25	1,25	36	16	1	10
81439910130	3221910834364	1,30	1,30	36	16	1	10
81439910135	3221910835170	1,35	1,35	40	18	1	10
81439910140	3221910834395	1,40	1,40	40	18	1	10
81439910145	3221910835187	1,45	1,45	40	18	1	10
81439910150	3221910834401	1,50	1,50	40	18	1	10
81439910155	3221910835194	1,55	1,55	43	20	1	10
81439910160	3221910834418	1,60	1,60	43	20	1	10
81439910165	3221910835200	1,65	1,65	43	20	1	10
81439910170	3221910834425	1,70	1,70	43	20	1	10
81439910175	3221910834432	1,75	1,75	46	22	1	10
81439910180	3221910834449	1,80	1,80	46	22	1	10

81439910185	3221910835217	1,85	1,85	46	22	1	10
81439910190	3221910834456	1,90	1,90	46	22	1	10
81439910195	3221910835224	1,95	1,95	49	24	1	10
81439910200	3221910834463	2,00	2,00	49	24	1	10
81439910205	3221910835231	2,05	2,05	49	24	1	10
81439910210	3221910834470	2,10	2,10	49	24	1	10
81439910215	3221910835248	2,15	2,15	53	27	1	10
81439910220	3221910834487	2,20	2,20	53	27	1	10
81439910225	3221910834494	2,25	2,25	53	27	1	10
81439910230	3221910834500	2,30	2,30	53	27	1	10
81439910235	3221910835255	2,35	2,35	53	27	1	10
81439910240	3221910834517	2,40	2,40	57	30	1	10
81439910245	3221910834524	2,45	2,45	57	30	1	10

HSCOB (TIALN) FULLY GROUND JOBBER LENGTH DRILL | 4 FACES.

BROCA HSCOB (TIALN) RECTIFICADA CILÍNDRICA SERIE CORTA. 4 CARAS.

PUNTA HSCOB TIALN CORTA. 4 LISTELLI.



Optimized drilling for small diameters < 2,5 mm. Universal app.

Gama optimizada para los pequeños diametros < 2,5 mm. Usos múltiples.

Foratura ottimizzata dei piccoli diametri <2,5mm. Polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steels
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

NO Copper alloys
Aleaciones de cobre
Leghe di rame

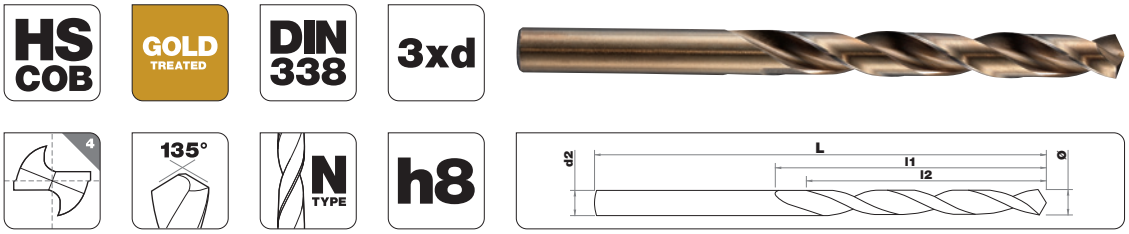
81440310080	3221910834777	0,80	0,80	30	10	1	10
81440310085	3221910835361	0,85	0,85	30	10	1	10
81440310090	3221910834784	0,90	0,90	32	11	1	10
81440310095	3221910834791	0,95	0,95	32	11	1	10
81440310100	3221910834807	1,00	1,00	34	12	1	10
81440310105	3221910834814	1,05	1,05	34	12	1	10
81440310110	3221910834821	1,10	1,10	36	14	1	10
81440310115	3221910834838	1,15	1,15	36	14	1	10
81440310120	3221910834845	1,20	1,20	38	16	1	10
81440310125	3221910834852	1,25	1,25	36	16	1	10
81440310130	3221910834869	1,30	1,30	36	16	1	10
81440310135	3221910835378	1,35	1,35	40	18	1	10
81440310140	3221910834876	1,40	1,40	40	18	1	10
81440310145	3221910835385	1,45	1,45	40	18	1	10
81440310150	3221910834883	1,50	1,50	40	18	1	10
81440310155	3221910835392	1,55	1,55	43	20	1	10
81440310160	3221910834890	1,60	1,60	43	20	1	10
81440310165	3221910835408	1,65	1,65	43	20	1	10
81440310170	3221910834906	1,70	1,70	43	20	1	10
81440310175	3221910834913	1,75	1,75	46	22	1	10
81440310180	3221910834920	1,80	1,80	46	22	1	10
81440310185	3221910835415	1,85	1,85	46	22	1	10
81440310190	3221910834937	1,90	1,90	46	22	1	10
81440310195	3221910835422	1,95	1,95	49	24	1	10
81440310200	3221910834944	2,00	2,00	49	24	1	10
81440310205	3221910835439	2,05	2,05	49	24	1	10
81440310210	3221910834951	2,10	2,10	49	24	1	10
81440310215	3221910835446	2,15	2,15	53	27	1	10
81440310220	3221910834968	2,20	2,20	53	27	1	10
81440310225	3221910834975	2,25	2,25	53	27	1	10
81440310230	3221910834982	2,30	2,30	53	27	1	10
81440310235	3221910835453	2,35	2,35	53	27	1	10
81440310240	3221910834999	2,40	2,40	57	30	1	10
81440310245	3221910835002	2,45	2,45	57	30	1	10

HSCOB FULLY GROUND JOBBER LENGTH DRILL | T LINE

BROCA HSCOB RECTIFICADA CILÍNDRICA. SERIE CORTA | T LINE

PUNTA HSCOB CILINDRICA CORTA. TIPO N | T LINE

#01



For steels and austenitic stainless steels.

Para aceros y aceros inoxidables austeníticos.

Foratura acciai e acciai inossidabili austenitici.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

1145501	EAN	Ø	d2	L	l1	QTY	PCB
11455010100	3221910839178	1,00	1,00	34	12	1	1
11455010110	3221910839185	1,10	1,10	36	14	1	10
11455010120	3221910839192	1,20	1,20	38	16	1	10
11455010125	3221912002532	1,25	1,25	38	16	1	10
11455010130	3221910839208	1,30	1,30	38	16	1	10
11455010140	3221910839215	1,40	1,40	40	18	1	10
11455010150	3221910839222	1,50	1,50	40	18	1	10
11455010160	3221910839239	1,60	1,60	43	20	1	10
11455010170	3221910839246	1,70	1,70	43	20	1	10
11455010175	3221912002549	1,75	1,75	46	22	1	10
11455010180	3221910839253	1,80	1,80	46	22	1	10
11455010190	3221910839260	1,90	1,90	46	22	1	10
11455010200	3221910839277	2,00	2,00	49	24	1	10
11455010210	3221910839284	2,10	2,10	49	24	1	10
11455010220	3221910839291	2,20	2,20	53	27	1	10
11455010225	3221912002556	2,25	2,25	53	27	1	10
11455010230	3221910839307	2,30	2,30	53	27	1	10
11455010240	3221910839314	2,40	2,40	57	30	1	10
11455010250	3221910839321	2,50	2,50	57	30	1	10
11455010260	3221910839338	2,60	2,60	57	30	1	10
11455010270	3221910839345	2,70	2,70	61	33	1	10
11455010275	3221912002563	2,75	2,75	61	33	1	10
11455010280	3221910839352	2,80	2,80	61	33	1	10
11455010290	3221910839369	2,90	2,90	61	33	1	10
11455010300	3221910839376	3,00	3,00	61	33	1	10
11455010310	3221910839383	3,10	3,10	65	36	1	10
11455010320	3221910839390	3,20	3,20	65	36	1	10
11455010325	3221912002570	3,25	3,25	65	36	1	10
11455010330	3221910839406	3,30	3,30	65	36	1	10
11455010340	3221910839413	3,40	3,40	70	39	1	10
11455010350	3221910839420	3,50	3,50	70	39	1	10
11455010360	3221910839437	3,60	3,60	70	39	1	10
11455010370	3221910839444	3,70	3,70	70	39	1	10
11455010375	3221912002587	3,75	3,75	70	39	1	10
11455010380	3221910839451	3,80	3,80	75	43	1	10
11455010390	3221910839468	3,90	3,90	75	43	1	10
11455010400	3221910839475	4,00	4,00	75	43	1	10
11455010410	3221910839482	4,10	4,10	75	43	1	10
11455010420	3221910839499	4,20	4,20	75	43	1	10
11455010425	3221912002594	4,25	4,25	75	43	1	10
11455010430	3221910839505	4,30	4,30	80	47	1	10
11455010440	3221910839512	4,40	4,40	80	47	1	10
11455010450	3221910839529	4,50	4,50	80	47	1	10
11455010460	3221910839536	4,60	4,60	80	47	1	10
11455010470	3221910839543	4,70	4,70	80	47	1	10
11455010475	3221910924393	4,75	4,75	80	47	1	10
11455010480	3221910839550	4,80	4,80	86	52	1	10
11455010490	3221910839567	4,90	4,90	86	52	1	10
11455010500	3221910839574	5,00	5,00	86	52	1	10
11455010510	3221910839581	5,10	5,10	86	52	1	10
11455010520	3221910839598	5,20	5,20	86	52	1	10
11455010525	3221912002600	5,25	5,25	86	52	1	10
11455010530	3221910839604	5,30	5,30	86	52	1	10
11455010540	3221910839611	5,40	5,40	93	57	1	10
11455010550	3221910839628	5,50	5,50	93	57	1	10
11455010560	3221910839635	5,60	5,60	93	57	1	10

#01

1145501	EAN	Ø	d2	L	l1	QTY	PCB
11455010570	3221910839642	5,70	5,70	93	57	1	10
11455010575	3221912002617	5,75	5,75	93	57	1	10
11455010580	3221910839659	5,80	5,80	93	57	1	10
11455010590	3221910839666	5,90	5,90	93	57	1	10
11455010600	3221910839673	6,00	6,00	93	57	1	10
11455010610	3221910839680	6,10	6,10	101	63	1	10
11455010620	3221910839697	6,20	6,20	101	63	1	10
11455010625	3221912002624	6,25	6,25	101	63	1	10
11455010630	3221910839703	6,30	6,30	101	63	1	10
11455010640	3221910839710	6,40	6,40	101	63	1	10
11455010650	3221910839727	6,50	6,50	101	63	1	10
11455010660	3221910839734	6,60	6,60	101	63	1	10
11455010670	3221910839741	6,70	6,70	101	63	1	10
11455010675	3221912002631	6,75	6,75	109	69	1	10
11455010680	3221910839758	6,80	6,80	109	69	1	10
11455010690	3221910839765	6,90	6,90	109	69	1	10
11455010700	3221910839772	7,00	7,00	109	69	1	10
11455010710	3221910839789	7,10	7,10	109	69	1	10
11455010720	3221910839796	7,20	7,20	109	69	1	10
11455010725	3221912002648	7,25	7,25	109	69	1	10
11455010730	3221910839802	7,30	7,30	109	69	1	10
11455010740	3221910839819	7,40	7,40	109	69	1	10
11455010750	3221910839826	7,50	7,50	109	69	1	10
11455010760	3221910839833	7,60	7,60	117	75	1	10
11455010770	3221910839840	7,70	7,70	117	75	1	10
11455010775	3221912002655	7,75	7,75	117	75	1	10
11455010780	3221910839857	7,80	7,80	117	75	1	10
11455010790	3221910839864	7,90	7,90	117	75	1	10
11455010800	3221910839871	8,00	8,00	117	75	1	10
11455010810	3221910839888	8,10	8,10	117	75	1	5
11455010820	3221910839895	8,20	8,20	117	75	1	5
11455010825	3221912002662	8,25	8,25	117	75	1	5
11455010830	3221910839901	8,30	8,30	117	75	1	5
11455010840	3221910839918	8,40	8,40	117	75	1	5
11455010850	3221910839925	8,50	8,50	117	75	1	5
11455010860	3221910839932	8,60	8,60	125	81	1	5
11455010870	3221910839949	8,70	8,70	125	81	1	5
11455010875	3221912002679	8,75	8,75	125	81	1	5
11455010880	3221910839956	8,80	8,80	125	81	1	5
11455010890	3221910839963	8,90	8,90	125	81	1	5
11455010900	3221910839970	9,00	9,00	125	81	1	5
11455010910	3221910839987	9,10	9,10	125	81	1	5
11455010920	3221910839994	9,20	9,20	125	81	1	5
11455010925	3221912002686	9,25	9,25	125	81	1	5
11455010930	3221910840006	9,30	9,30	125	81	1	5
11455010940	3221910840013	9,40	9,40	125	81	1	5
11455010950	3221910840020	9,50	9,50	125	81	1	5
11455010960	3221910840037	9,60	9,60	133	87	1	5
11455010970	3221910840044	9,70	9,70	133	87	1	5
11455010980	3221910840051	9,80	9,80	133	87	1	5
11455010990	3221910840068	9,90	9,90	133	87	1	5
11455011000	3221910840075	10,00	10,00	133	87	1	5
11455011010	3221910840082	10,10	10,10	133	87	1	5
11455011020	3221910840099	10,20	10,20	133	87	1	5
11455011025	3221912002723	10,25	10,25	133	87	1	5
11455011030	3221910840105	10,30	10,30	133	87	1	5
11455011040	3221910840112	10,40	10,40	133	87	1	5
11455011050	3221910840129	10,50	10,50	133	87	1	5
11455011100	3221910840136	11,00	11,00	142	94	1	5
11455011150	3221910840143	11,50	11,50	142	94	1	5
11455011200	3221910840150	12,00	12,00	151	101	1	5
11455011250	3221910840167	12,50	12,50	151	101	1	5
11455011300	3221910840174	13,00	13,00	151	101	1	5
11455011350	3221912002693	13,50	13,50	160	108	1	5
11455011400	3221912002709	14,00	14,00	160	108	1	5
11455011500	3221912002730	15,00	15,00	168	114	1	5
11455011600	3221912002716	16,00	16,00	178	120	1	5

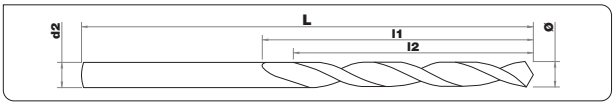
HSCOB FULLY GROUND JOBBER LENGTH DRILL. REDUCED SHANK I T LINE

BROCA HSCOB RECTIFICADA CILÍDRICA. SERIE CORTA. MANGO REDUCIDO I T LINE

PUNTA HSCOB CILINDRICA CORTA. TIPO N I GAMBO RIDOTTO I T LINE

HS COB | GOLD TREATED | DIN 338 | 3xd

4 | 130° | N TYPE | h8



For steels and austenitic stainless steels.

Para aceros y aceros inoxidables austeníticos.

Foratura acciai e acciai inossidabili austenitici.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

1145561	EAN	Ø	d2	L	l1	QTY	PCB
11455611400	3221912002174	14,00	14,00	160	108	1	1
11455611500	3221912002181	15,00	15,00	169	114	1	1
11455611600	3221912002198	16,00	16,00	178	120	1	1
11455611700	3221912002204	17,00	17,00	184	125	1	1
11455611800	3221912002211	18,00	18,00	191	130	1	1
11455611900	3221912002235	19,00	19,00	198	135	1	1
11455612000	3221912002228	20,00	20,00	205	140	1	1

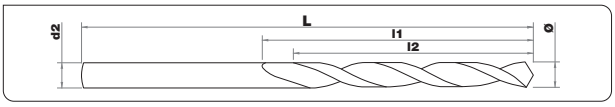
TBX 4F HSCOB BLADE FULLY GROUND JOBBER LENGTH DRILL. 4 FACET POINT.

TBX 4F BROCA HSCOB BLADE RECTIFICADA CILÍNDRICA CORTA. 4 CARAS.

TBX 4F PUNTA HSCOB BLADE CILINDRICA CORTA I TIPO N I 4 LISTELLI.

HS COB | BLADE COATED | DIN 338 | 3xd

7 | 135° | N TYPE | h8



For austenitic stainless steels. Speed, life span.

Para aceros < 950 N/mm². Velocidad, duración de vida.

Foratura acciai inossidabili austenitici. Velocità e lunga durata.

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

H Austenitic stainless steels
Aceros inoxidables austeniticos
Acciai inossidabili austenitici

1145611	EAN	Ø	d2	L	l1	QTY	PCB
11456110100	3221912003485	1,00	1,00	34	12	1	10
11456110110	3221912003492	1,10	1,10	36	14	1	10
11456110120	3221912003508	1,20	1,20	38	16	1	10
11456110130	3221912003515	1,30	1,30	38	16	1	10
11456110140	3221912003522	1,40	1,40	40	18	1	10
11456110150	3221912003539	1,50	1,50	40	18	1	10
11456110160	3221912003546	1,60	1,60	43	20	1	10
11456110170	3221912003553	1,70	1,70	43	20	1	10
11456110180	3221912003560	1,80	1,80	46	22	1	10
11456110190	3221912003577	1,90	1,90	46	22	1	10
11456110200	3221912003584	2,00	2,00	49	24	1	10
11456110210	3221912003591	2,10	2,10	49	24	1	10
11456110220	3221912003607	2,20	2,20	53	27	1	10
11456110230	3221912003614	2,30	2,30	53	27	1	10
11456110240	3221912003621	2,40	2,40	57	30	1	10
11456110250	3221912003638	2,50	2,50	57	30	1	10
11456110260	3221912003645	2,60	2,60	57	30	1	10
11456110270	3221912003652	2,70	2,70	61	33	1	10
11456110280	3221912003669	2,80	2,80	61	33	1	10
11456110290	3221912003676	2,90	2,90	61	33	1	10

#01

1145611	EAN	Ø	d2	L	l1	QTY	PCB
11456110300	3221912003683	3,00	3,00	61	33	1	10
11456110310	3221912003690	3,10	3,10	65	36	1	10
11456110320	3221912003706	3,20	3,20	65	36	1	10
11456110330	3221912003713	3,30	3,30	65	36	1	10
11456110340	3221912003720	3,40	3,40	70	39	1	10
11456110350	3221912003737	3,50	3,50	70	39	1	10
11456110360	3221912003744	3,60	3,60	70	39	1	10
11456110370	3221912003751	3,70	3,70	70	39	1	10
11456110380	3221912003768	3,80	3,80	75	43	1	10
11456110390	3221912003775	3,90	3,90	75	43	1	10
11456110400	3221912003782	4,00	4,00	75	43	1	10
11456110410	3221912003799	4,10	4,10	75	43	1	10
11456110420	3221912003805	4,20	4,20	75	43	1	10
11456110430	3221912003812	4,30	4,30	80	47	1	10
11456110440	3221912003829	4,40	4,40	80	47	1	10
11456110450	3221912003836	4,50	4,50	80	47	1	10
11456110460	3221912003843	4,60	4,60	80	47	1	10
11456110470	3221912003850	4,70	4,70	80	47	1	10
11456110480	3221912003867	4,80	4,80	86	52	1	10
11456110490	3221912003874	4,90	4,90	86	52	1	10
11456110500	3221912003881	5,00	5,00	86	52	1	10
11456110510	3221912003898	5,10	5,10	86	52	1	10
11456110520	3221912003904	5,20	5,20	86	52	1	10
11456110530	3221912003911	5,30	5,30	86	52	1	10
11456110540	3221912003928	5,40	5,40	93	57	1	10
11456110550	3221912003935	5,50	5,50	93	57	1	10
11456110560	3221912003942	5,60	5,60	93	57	1	10
11456110570	3221912003959	5,70	5,70	93	57	1	10
11456110580	3221912003966	5,80	5,80	93	57	1	10
11456110590	3221912003973	5,90	5,90	93	57	1	10
11456110600	3221912003980	6,00	6,00	93	57	1	10
11456110610	3221912003997	6,10	6,10	101	63	1	10
11456110620	3221912004000	6,20	6,20	101	63	1	10
11456110630	3221912004017	6,30	6,30	101	63	1	10
11456110640	3221912004024	6,40	6,40	101	63	1	10
11456110650	3221912004031	6,50	6,50	101	63	1	10
11456110660	3221912004048	6,60	6,60	101	63	1	10
11456110670	3221912004055	6,70	6,70	101	63	1	10
11456110680	3221912004062	6,80	6,80	109	69	1	10
11456110690	3221912004079	6,90	6,90	109	69	1	10
11456110700	3221912004086	7,00	7,00	109	69	1	10
11456110710	3221912004093	7,10	7,10	109	69	1	10
11456110720	3221912004109	7,20	7,20	109	69	1	10
11456110730	3221912004116	7,30	7,30	109	69	1	10
11456110740	3221912004123	7,40	7,40	109	69	1	10
11456110750	3221912004130	7,50	7,50	109	69	1	10
11456110760	3221912004147	7,60	7,60	117	75	1	10
11456110770	3221912004154	7,70	7,70	117	75	1	10
11456110780	3221912004161	7,80	7,80	117	75	1	10
11456110790	3221912004178	7,90	7,90	117	75	1	10
11456110800	3221912004185	8,00	8,00	117	75	1	10
11456110810	3221912004208	8,10	8,10	117	75	1	5
11456110820	3221912004215	8,20	8,20	117	75	1	5
11456110830	3221912004222	8,30	8,30	117	75	1	5
11456110840	3221912004239	8,40	8,40	117	75	1	5
11456110850	3221912004246	8,50	8,50	117	75	1	5
11456110860	3221912004253	8,60	8,60	125	81	1	5
11456110870	3221912004260	8,70	8,70	125	81	1	5
11456110880	3221912004277	8,80	8,80	125	81	1	5
11456110890	3221912004284	8,90	8,90	125	81	1	5
11456110900	3221912004291	9,00	9,00	125	81	1	5
11456110910	3221912004307	9,10	9,10	125	81	1	5
11456110920	3221912004314	9,20	9,20	125	81	1	5
11456110930	3221912004321	9,30	9,30	125	81	1	5
11456110940	3221912004338	9,40	9,40	125	81	1	5
11456110950	3221912004345	9,50	9,50	125	81	1	5
11456110960	3221912004352	9,60	9,60	133	87	1	5
11456110970	3221912004369	9,70	9,70	133	87	1	5
11456110980	3221912004376	9,80	9,80	133	87	1	5
11456110990	3221912004383	9,90	9,90	133	87	1	5
11456111000	3221912004390	10,00	10,00	133	87	1	5
11456111020	3221912004406	10,20	10,20	133	87	1	5
11456111050	3221912004413	10,50	10,50	133	87	1	5
11456111100	3221912004420	11,00	11,00	142	94	1	5
11456111150	3221912004437	11,50	11,50	142	94	1	5
11456111200	3221912004444	12,00	12,00	151	101	1	5
11456111250	3221912004451	12,50	12,50	151	101	1	5
11456111300	3221912004468	13,00	13,00	151	101	1	5
11456111400	3221912004475	14,00	14,00	160	108	1	1
11456111500	3221912004482	15,00	15,00	169	114	1	1
11456111600	3221912004499	16,00	16,00	178	120	1	1

1145611	EAN	Ø	d2	L	l1	QTY	PCB
11456111700	3221912004505	17,00	17,00	184	125	1	1
11456111800	3221912004512	18,00	18,00	191	130	1	1
11456111900	3221912004529	19,00	19,00	198	135	1	1
11456112000	3221912004536	20,00	20,00	205	140	1	1

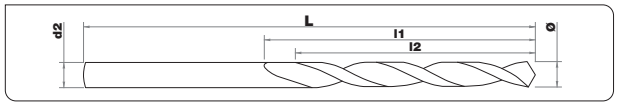
CUTINOX 4F HSCOB FULLY GROUND JOBBER LENGTH DRILL. 4 FACET POINT.

CUTINOX 4F BROCA HSCOB RECTIFICADA CILÍNDRICA CORTA. 4 CARAS.

CUTINOX 4F I PUNTA HSCOB CILINDRICA CORTA I TIPO N I 4 LISTELLI.

HS COB | BRIGHT UNCOATED | DIN 338 | 3xd

7 | 135° | N TYPE | h8



For austenitic stainless steels

Para aceros inoxidables.

Foratura acciai inossidabili.

F Ferritic stainless steels
Aceros inoxidables ferríticos
acciai inossidabili ferritici

G Martensitic stainless steels
Aceros inoxidables martensíticos
acciai inossidabili martensitici

H Austenitic stainless steels
Aceros inoxidables austeníticos
Acciai inossidabili austenitici

1145581	EAN	Ø	d2	L	l1	QTY	PCB
11455810080	3221912000330	0,80	0,80	30	10	1	10
11455810090	3221912000347	0,90	0,90	32	11	1	10
11455810100	3221912000354	1,00	1,00	34	12	1	10
11455810110	3221912000361	1,10	1,10	36	14	1	10
11455810120	3221912000378	1,20	1,20	38	16	1	10
11455810130	3221912000385	1,30	1,30	36	16	1	10
11455810140	3221912000392	1,40	1,40	40	18	1	10
11455810150	3221912000408	1,50	1,50	40	18	1	10
11455810160	3221912000415	1,60	1,60	43	20	1	10
11455810170	3221912000422	1,70	1,70	43	20	1	10
11455810180	3221912000439	1,80	1,80	46	22	1	10
11455810190	3221912000446	1,90	1,90	46	22	1	10
11455810200	3221912000453	2,00	2,00	49	24	1	10
11455810210	3221912000460	2,10	2,10	49	24	1	10
11455810220	3221912000477	2,20	2,20	53	27	1	10
11455810230	3221912000484	2,30	2,30	53	27	1	10
11455810240	3221912000491	2,40	2,40	57	30	1	10
11455810250	3221912000507	2,50	2,50	57	30	1	10
11455810260	3221912000514	2,60	2,60	57	30	1	10
11455810270	3221912000521	2,70	2,70	61	33	1	10
11455810275	3221912000538	2,75	2,75	61	33	1	10
11455810280	3221912000545	2,80	2,80	61	33	1	10
11455810290	3221912000552	2,90	2,90	61	33	1	10
11455810300	3221912000569	3,00	3,00	61	33	1	10
11455810310	3221912000576	3,10	3,10	65	36	1	10
11455810320	3221912000583	3,20	3,20	65	36	1	10
11455810325	3221912000590	3,25	3,25	65	36	1	10
11455810330	3221912000606	3,30	3,30	65	36	1	10
11455810340	3221912000613	3,40	3,40	70	39	1	10
11455810350	3221912000620	3,50	3,50	70	39	1	10
11455810360	3221912000637	3,60	3,60	70	39	1	10
11455810370	3221912000644	3,70	3,70	70	39	1	10
11455810375	3221912000651	3,75	3,75	70	39	1	10
11455810380	3221912000668	3,80	3,80	75	43	1	10
11455810390	3221912000682	3,90	3,90	75	43	1	10
11455810400	3221912000699	4,00	4,00	75	43	1	10
11455810410	3221912000705	4,10	4,10	75	43	1	10
11455810420	3221912000712	4,20	4,20	75	43	1	10
11455810425	3221912000729	4,25	4,25	75	43	1	10
11455810430	3221912000736	4,30	4,30	80	47	1	10
11455810440	3221912000743	4,40	4,40	80	47	1	10
11455810450	3221912000750	4,50	4,50	80	47	1	10
11455810460	3221912000767	4,60	4,60	80	47	1	10
11455810470	3221912000774	4,70	4,70	80	47	1	10
11455810475	3221912000781	4,75	4,75	80	47	1	10
11455810480	3221912000798	4,80	4,80	86	52	1	10
11455810490	3221912000804	4,90	4,90	86	52	1	10
11455810500	3221912000811	5,00	5,00	86	52	1	10
11455810510	3221912000828	5,10	5,10	86	52	1	10
11455810520	3221912000835	5,20	5,20	86	52	1	10
11455810525	3221912000842	5,25	5,25	86	52	1	10

#01

1145581	EAN	Ø	d2	L	l1	QTY	PCB
11455810530	3221912000859	5,30	5,30	86	52	1	10
11455810540	3221912000866	5,40	5,40	93	57	1	10
11455810550	3221912000873	5,50	5,50	93	57	1	10
11455810560	3221912000880	5,60	5,60	93	57	1	10
11455810570	3221912000897	5,70	5,70	93	57	1	10
11455810575	3221912000903	5,75	5,75	93	57	1	10
11455810580	3221912000927	5,80	5,80	93	57	1	10
11455810590	3221912000934	5,90	5,90	93	57	1	10
11455810600	3221912000941	6,00	6,00	93	57	1	10
11455810610	3221912000958	6,10	6,10	101	63	1	10
11455810620	3221912000965	6,20	6,20	101	63	1	10
11455810625	3221912000972	6,25	6,25	101	63	1	10
11455810630	3221912000989	6,30	6,30	101	63	1	10
11455810640	3221912000996	6,40	6,40	101	63	1	10
11455810650	3221912001078	6,50	6,50	101	63	1	10
11455810660	3221912001085	6,60	6,60	101	63	1	10
11455810670	3221912001092	6,70	6,70	101	63	1	10
11455810675	3221912001115	6,75	6,75	109	69	1	10
11455810680	3221912001139	6,80	6,80	109	69	1	10
11455810690	3221912001146	6,90	6,90	109	69	1	10
11455810700	3221912001153	7,00	7,00	109	69	1	10
11455810710	3221912001160	7,10	7,10	109	69	1	10
11455810720	3221912001177	7,20	7,20	109	69	1	10
11455810730	3221912001184	7,30	7,30	109	69	1	10
11455810740	3221912001191	7,40	7,40	109	69	1	10
11455810750	3221912001207	7,50	7,50	109	69	1	10
11455810760	3221912001214	7,60	7,60	117	75	1	10
11455810770	3221912001221	7,70	7,70	117	75	1	10
11455810780	3221912001238	7,80	7,80	117	75	1	10
11455810790	3221912001245	7,90	7,90	117	75	1	10
11455810800	3221912000316	8,00	8,00	117	75	1	10
11455810810	3221912001252	8,10	8,10	117	75	1	5
11455810820	3221912001269	8,20	8,20	117	75	1	5
11455810830	3221912001276	8,30	8,30	117	75	1	5
11455810840	3221912001283	8,40	8,40	117	75	1	5
11455810850	3221912001290	8,50	8,50	117	75	1	5
11455810860	3221912001306	8,60	8,60	125	81	1	5
11455810870	3221912001313	8,70	8,70	125	81	1	5
11455810880	3221912001320	8,80	8,80	125	81	1	5
11455810890	3221912001337	8,90	8,90	125	81	1	5
11455810900	3221912000323	9,00	9,00	125	81	1	5
11455810910	3221912001344	9,10	9,10	125	81	1	5
11455810920	3221912001351	9,20	9,20	125	81	1	5
11455810930	3221912001368	9,30	9,30	125	81	1	5
11455810940	3221912001375	9,40	9,40	125	81	1	5
11455810950	3221912001382	9,50	9,50	125	81	1	5
11455810960	3221912001399	9,60	9,60	133	87	1	5
11455810970	3221912001405	9,70	9,70	133	87	1	5
11455810980	3221912001412	9,80	9,80	133	87	1	5
11455810990	3221912001436	9,90	9,90	133	87	1	5
11455811000	3221912001443	10,00	10,00	133	87	1	5
11455811020	3221912001450	10,20	10,20	133	87	1	5
11455811050	3221912001467	10,50	10,50	133	87	1	5
11455811100	3221912001474	11,00	11,00	142	94	1	5
11455811150	3221912001481	11,50	11,50	142	94	1	5
11455811200	3221912001498	12,00	12,00	151	101	1	5
11455811250	3221912001504	12,50	12,50	151	101	1	5
11455811300	3221912001511	13,00	13,00	151	101	1	5

PHOENIX | HSCOB FULLY GROUND JOBBER LENGTH DRILL. TYPE S

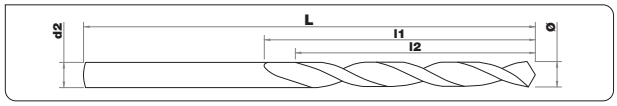
PHOENIX | BROCA HSCOB RECTIFICADA CILÍNDRICA SERIE CORTA. TIPO S

PHOENIX | PUNTA HSCOB CILINDRICA CORTA. TIPO S

#01

HS COB | BRIGHT UNCOATED | simDIN 338 | 3xd

2 | 130° | S TYPE | h8



For deep holes. Universal application. High Performance.

Usos múltiples para agujeros profundos. Alto rendimiento.

Concepita per forature polivalenti e fori profondi. Alte prestazioni .

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

FGH Stainless Steels
Aceros inoxidables
Acciai inossidabili

J SG iron
Fundición nodular
Ghisa GS

M Aluminium alloys Si>10%
Aleaciones de aluminio Si>10%
Leghe di alluminio Si >10%

8140121	EAN	Ø	d2	L	l1	QTY	PCB
81401210250	3221910722708	2,50	2,50	57	30	1	10
81401210260	3221910722715	2,60	2,60	57	30	1	10
81401210270	3221910722722	2,70	2,70	61	33	1	10
81401210280	3221910722739	2,80	2,80	61	33	1	10
81401210290	3221910722746	2,90	2,90	61	33	1	10
81401210300	3221910722753	3,00	3,00	61	33	1	10
81401210310	3221910722760	3,10	3,10	65	36	1	10
81401210320	3221910722777	3,20	3,20	65	36	1	10
81401210325	3221910722784	3,25	3,25	65	36	1	10
81401210330	3221910722791	3,30	3,30	65	36	1	10
81401210340	3221910722807	3,40	3,40	70	39	1	10
81401210350	3221910722814	3,50	3,50	70	39	1	10
81401210360	3221910722821	3,60	3,60	70	39	1	10
81401210370	3221910722838	3,70	3,70	70	39	1	10
81401210380	3221910722845	3,80	3,80	75	43	1	10
81401210390	3221910722852	3,90	3,90	75	43	1	10
81401210400	3221910722869	4,00	4,00	75	43	1	10
81401210410	3221910722876	4,10	4,10	75	43	1	10
81401210420	3221910722883	4,20	4,20	75	43	1	10
81401210425	3221910722890	4,25	4,25	75	43	1	10
81401210430	3221910722906	4,30	4,30	80	47	1	10
81401210440	3221910722913	4,40	4,40	80	47	1	10
81401210450	3221910722920	4,50	4,50	80	47	1	10
81401210460	3221910722937	4,60	4,60	80	47	1	10
81401210470	3221910722944	4,70	4,70	80	47	1	10
81401210475	3221910722951	4,75	4,75	80	47	1	10
81401210480	3221910722968	4,80	4,80	86	52	1	10
81401210490	3221910722975	4,90	4,90	86	52	1	10
81401210500	3221910722982	5,00	5,00	86	52	1	10
81401210510	3221910722999	5,10	5,10	86	52	1	10
81401210520	3221910723002	5,20	5,20	86	52	1	10
81401210525	3221910723019	5,25	5,25	86	52	1	10
81401210530	3221910723026	5,30	5,30	86	52	1	10
81401210540	3221910723033	5,40	5,40	93	57	1	10
81401210550	3221910723040	5,50	5,50	93	57	1	10
81401210560	3221910723057	5,60	5,60	93	57	1	10
81401210570	3221910723064	5,70	5,70	93	57	1	10
81401210575	3221910723071	5,75	5,75	93	57	1	10
81401210580	3221910723088	5,80	5,80	93	57	1	10
81401210590	3221910723095	5,90	5,90	93	57	1	10
81401210600	3221910723101	6,00	6,00	93	57	1	10
81401210610	3221910723118	6,10	6,10	101	63	1	10
81401210620	3221910723125	6,20	6,20	101	63	1	10
81401210625	3221910723132	6,25	6,25	101	63	1	10
81401210630	3221910723149	6,30	6,30	101	63	1	10
81401210640	3221910723156	6,40	6,40	101	63	1	10
81401210650	3221910723163	6,50	6,50	101	63	1	10
81401210660	3221910723170	6,60	6,60	101	63	1	10
81401210670	3221910723187	6,70	6,70	101	63	1	10
81401210675	3221910723194	6,75	6,75	109	69	1	10
81401210680	3221910723200	6,80	6,80	109	69	1	10

#01

8140121	EAN	Ø	d2	L	l1	QTY	PCB
81401210690	3221910723217	6,90	6,90	109	69	1	10
81401210700	3221910723224	7,00	7,00	109	69	1	10
81401210710	3221910723231	7,10	7,10	109	69	1	10
81401210720	3221910723248	7,20	7,20	109	69	1	10
81401210725	3221910723255	7,25	7,25	109	69	1	10
81401210730	3221910723262	7,30	7,30	109	69	1	10
81401210740	3221910723279	7,40	7,40	109	69	1	10
81401210750	3221910723286	7,50	7,50	109	69	1	10
81401210760	3221910723293	7,60	7,60	117	75	1	10
81401210770	3221910723309	7,70	7,70	117	75	1	10
81401210775	3221910723316	7,75	7,75	117	75	1	10
81401210780	3221910723323	7,80	7,80	117	75	1	10
81401210790	3221910723330	7,90	7,90	117	75	1	10
81401210800	3221910723347	8,00	8,00	117	75	1	10
81401210810	3221910723354	8,10	8,10	117	75	1	5
81401210820	3221910723361	8,20	8,20	117	75	1	5
81401210825	3221910723378	8,25	8,25	117	75	1	5
81401210830	3221910723385	8,30	8,30	117	75	1	5
81401210840	3221910723392	8,40	8,40	117	75	1	5
81401210850	3221910723408	8,50	8,50	117	75	1	5
81401210860	3221910723415	8,60	8,60	125	81	1	5
81401210870	3221910723422	8,70	8,70	125	81	1	5
81401210880	3221910723446	8,80	8,80	125	81	1	5
81401210890	3221910723453	8,90	8,90	125	81	1	5
81401210900	3221910723460	9,00	9,00	125	81	1	5
81401210910	3221910723477	9,10	9,10	125	81	1	5
81401210920	3221910723484	9,20	9,20	125	81	1	5
81401210930	3221910723491	9,30	9,30	125	81	1	5
81401210940	3221910723507	9,40	9,40	125	81	1	5
81401210950	3221910723514	9,50	9,50	125	81	1	5
81401210960	3221910723521	9,60	9,60	133	87	1	5
81401210970	3221910723538	9,70	9,70	133	87	1	5
81401210980	3221910723545	9,80	9,80	133	87	1	5
81401210990	3221910723552	9,90	9,90	133	87	1	5
81401211000	3221910723569	10,00	10,00	133	87	1	5
81401211020	3221910723576	10,20	10,20	133	87	1	5
81401211025	3221910723583	10,25	10,25	133	87	1	5
81401211050	3221910723590	10,50	10,50	133	87	1	5
81401211075	3221910723606	10,75	10,75	142	94	1	5
81401211080	3221910723613	10,80	10,80	142	94	1	5
81401211100	3221910723620	11,00	11,00	142	94	1	5
81401211120	3221910723637	11,20	11,20	142	94	1	5
81401211150	3221910723644	11,50	11,50	142	94	1	5
81401211180	3221910723651	11,80	11,80	142	94	1	5
81401211200	3221910723668	12,00	12,00	151	101	1	5
81401211220	3221910723675	12,20	12,20	151	101	1	5
81401211250	3221910723682	12,50	12,50	151	101	1	5
81401211280	3221910723699	12,80	12,80	151	101	1	5
81401211300	3221910723705	13,00	13,00	151	101	1	5

PHOENIX I HSCOB TIALN FULLY GROUND JOBBER LENGTH DRILL. TYPE S

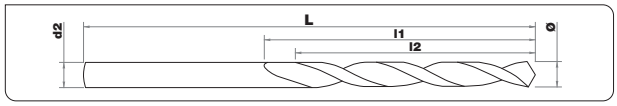
PHOENIX I BROCA HSCOB TIALN RECTIFICADA CILÍNDRICA SERIE CORTA. TIPO S

PHOENIX I PUNTA HSCOB TIALN CILINDRICA CORTA. TIPO S

#01

HS COB | TiAlN COATED | simDiN 338 | 3xd

2 | 130° | S TYPE | h8



For deep holes. Universal application. High Performance.

Usos múltiples para agujeros profundos. Alto rendimiento.

Concepita per forature polivalenti e fori profondi. Alte prestazioni .

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

FGH Stainless Steels
Aceros inoxidables
Acciai inossidabili

J SG iron
Fundición nodular
Ghisa GS

M Aluminium alloys Si>10%
Aleaciones de aluminio Si>10%
Leghe di alluminio Si >10%

8143921	EAN	Ø	d2	L	l1	QTY	PCB
81439210250	3221910784959	2,50	2,50	57	30	1	10
81439210260	3221910784966	2,60	2,60	57	30	1	10
81439210270	3221910784973	2,70	2,70	61	33	1	10
81439210280	3221910784980	2,80	2,80	61	33	1	10
81439210290	3221910784997	2,90	2,90	61	33	1	10
81439210300	3221910785000	3,00	3,00	61	33	1	10
81439210310	3221910785017	3,10	3,10	65	36	1	10
81439210320	3221910785024	3,20	3,20	65	36	1	10
81439210325	3221910785031	3,25	3,25	65	36	1	10
81439210330	3221910785048	3,30	3,30	65	36	1	10
81439210340	3221910785055	3,40	3,40	70	39	1	10
81439210350	3221910785062	3,50	3,50	70	39	1	10
81439210360	3221910785079	3,60	3,60	70	39	1	10
81439210370	3221910785086	3,70	3,70	70	39	1	10
81439210380	3221910785093	3,80	3,80	75	43	1	10
81439210390	3221910785109	3,90	3,90	75	43	1	10
81439210400	3221910785116	4,00	4,00	75	43	1	10
81439210410	3221910785123	4,10	4,10	75	43	1	10
81439210420	3221910785130	4,20	4,20	75	43	1	10
81439210425	3221910785147	4,25	4,25	75	43	1	10
81439210430	3221910785154	4,30	4,30	80	47	1	10
81439210440	3221910785161	4,40	4,40	80	47	1	10
81439210450	3221910785178	4,50	4,50	80	47	1	10
81439210460	3221910785185	4,60	4,60	80	47	1	10
81439210470	3221910785192	4,70	4,70	80	47	1	10
81439210475	3221910785208	4,75	4,75	80	47	1	10
81439210480	3221910785215	4,80	4,80	86	52	1	10
81439210490	3221910785222	4,90	4,90	86	52	1	10
81439210500	3221910785239	5,00	5,00	86	52	1	10
81439210510	3221910785246	5,10	5,10	86	52	1	10
81439210520	3221910785253	5,20	5,20	86	52	1	10
81439210525	3221910785260	5,25	5,25	86	52	1	10
81439210530	3221910785277	5,30	5,30	86	52	1	10
81439210540	3221910785284	5,40	5,40	93	57	1	10
81439210550	3221910785291	5,50	5,50	93	57	1	10
81439210560	3221910785307	5,60	5,60	93	57	1	10
81439210570	3221910785314	5,70	5,70	93	57	1	10
81439210575	3221910785321	5,75	5,75	93	57	1	10
81439210580	3221910785338	5,80	5,80	93	57	1	10
81439210590	3221910785345	5,90	5,90	93	57	1	10
81439210600	3221910785352	6,00	6,00	93	57	1	10
81439210610	3221910785369	6,10	6,10	101	63	1	10
81439210620	3221910785376	6,20	6,20	101	63	1	10
81439210625	3221910785383	6,25	6,25	101	63	1	10
81439210630	3221910785390	6,30	6,30	101	63	1	10
81439210640	3221910785406	6,40	6,40	101	63	1	10
81439210650	3221910785413	6,50	6,50	101	63	1	10
81439210660	3221910785420	6,60	6,60	101	63	1	10
81439210670	3221910785437	6,70	6,70	101	63	1	10
81439210675	3221910785444	6,75	6,75	109	69	1	10
81439210680	3221910785451	6,80	6,80	109	69	1	10

#01

8143921	EAN	Ø	d2	L	l1	QTY	PCB
81439210690	3221910785468	6,90	6,90	109	69	1	10
81439210700	3221910785475	7,00	7,00	109	69	1	10
81439210710	3221910785482	7,10	7,10	109	69	1	10
81439210720	3221910785499	7,20	7,20	109	69	1	10
81439210725	3221910785505	7,25	7,25	109	69	1	10
81439210730	3221910785512	7,30	7,30	109	69	1	10
81439210740	3221910785529	7,40	7,40	109	69	1	10
81439210750	3221910785536	7,50	7,50	109	69	1	10
81439210760	3221910785543	7,60	7,60	117	75	1	10
81439210770	3221910785550	7,70	7,70	117	75	1	10
81439210775	3221910785567	7,75	7,75	117	75	1	10
81439210780	3221910785574	7,80	7,80	117	75	1	10
81439210790	3221910785581	7,90	7,90	117	75	1	10
81439210800	3221910785598	8,00	8,00	117	75	1	10
81439210810	3221910785604	8,10	8,10	117	75	1	5
81439210820	3221910785611	8,20	8,20	117	75	1	5
81439210825	3221910785628	8,25	8,25	117	75	1	5
81439210830	3221910785635	8,30	8,30	117	75	1	5
81439210840	3221910785642	8,40	8,40	117	75	1	5
81439210850	3221910785659	8,50	8,50	117	75	1	5
81439210860	3221910785666	8,60	8,60	125	81	1	5
81439210870	3221910785673	8,70	8,70	125	81	1	5
81439210880	3221910785680	8,80	8,80	125	81	1	5
81439210890	3221910785697	8,90	8,90	125	81	1	5
81439210900	3221910785703	9,00	9,00	125	81	1	5
81439210910	3221910785710	9,10	9,10	125	81	1	5
81439210920	3221910785727	9,20	9,20	125	81	1	5
81439210930	3221910785734	9,30	9,30	125	81	1	5
81439210940	3221910785741	9,40	9,40	125	81	1	5
81439210950	3221910785758	9,50	9,50	125	81	1	5
81439210960	3221910785765	9,60	9,60	133	87	1	5
81439210970	3221910785772	9,70	9,70	133	87	1	5
81439210980	3221910785789	9,80	9,80	133	87	1	5
81439210990	3221910785796	9,90	9,90	133	87	1	5
81439211000	3221910785802	10,00	10,00	133	87	1	5
81439211020	3221910785819	10,20	10,20	133	87	1	5
81439211025	3221910785826	10,25	10,25	133	87	1	5
81439211050	3221910785833	10,50	10,50	133	87	1	5
81439211075	3221910785840	10,75	10,75	142	94	1	5
81439211080	3221910785857	10,80	10,80	142	94	1	5
81439211100	3221910785864	11,00	11,00	142	94	1	5
81439211120	3221910785871	11,20	11,20	142	94	1	5
81439211150	3221910785888	11,50	11,50	142	94	1	5
81439211180	3221910785895	11,80	11,80	142	94	1	5
81439211200	3221910785901	12,00	12,00	151	101	1	5
81439211220	3221910785918	12,20	12,20	151	101	1	5
81439211250	3221910785925	12,50	12,50	151	101	1	5
81439211280	3221910785932	12,80	12,80	151	101	1	5
81439211300	3221910785949	13,00	13,00	151	101	1	5

LAZER I HSS-E8 (M42) FULLY GROUND JOBBER LENGTH DRILL.

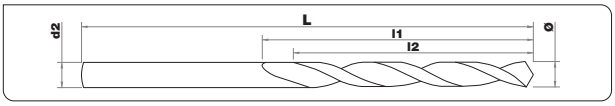
LAZER I BROCA HSS-E8 (M42) RECTIFICADA CILÍNDRICA CORTA

LAZER I PUNTA HSS-E8 CILINDRICA CORTA. TIPO N I TIPO N

#01

HSS E8 | BRIGHT UNCOATED | DIN 338 | 3xd

4 | 135° | N TYPE | h8



For Special alloys Nickel/Cobalt and titanium. High Performance.

Para aleaciones Nickel / Cobalt y Titanio. Alto rendimiento.

Foratura delle leghe nichel/cobalto e titanio. Alte prestazioni.

ARCo ARNi — Ni / Co based special alloys / Aleaciones refractarias Co / Ni / Leghe refrattarie Co / Ni

Ti — Titanium alloys / Aleaciones de titanio / Leghe di titanio

8140161	EAN	Ø	d2	L	l1	QTY	PCB
81401610200	3221910402167	2,00	2,00	49	24	1	10
81401610210	3221910402174	2,10	2,10	49	24	1	10
81401610220	3221910402181	2,20	2,20	53	27	1	10
81401610225	3221910402198	2,25	2,25	53	27	1	10
81401610230	3221910402204	2,30	2,30	53	27	1	10
81401610240	3221910402211	2,40	2,40	57	30	1	10
81401610250	3221910402235	2,50	2,50	57	30	1	10
81401610260	3221910402242	2,60	2,60	57	30	1	10
81401610270	3221910402259	2,70	2,70	61	33	1	10
81401610275	3221910402266	2,75	2,75	61	33	1	10
81401610280	3221910402273	2,80	2,80	61	33	1	10
81401610290	3221910402280	2,90	2,90	61	33	1	10
81401610300	3221910402303	3,00	3,00	61	33	1	10
81401610310	3221910402310	3,10	3,10	65	36	1	10
81401610320	3221910402327	3,20	3,20	65	36	1	10
81401610325	3221910402334	3,25	3,25	65	36	1	10
81401610330	3221910402341	3,30	3,30	65	36	1	10
81401610340	3221910402358	3,40	3,40	70	39	1	10
81401610350	3221910402365	3,50	3,50	70	39	1	10
81401610360	3221910402372	3,60	3,60	70	39	1	10
81401610370	3221910402389	3,70	3,70	70	39	1	10
81401610375	3221910402396	3,75	3,75	70	39	1	10
81401610380	3221910402402	3,80	3,80	75	43	1	10
81401610390	3221910402419	3,90	3,90	75	43	1	10
81401610400	3221910402426	4,00	4,00	75	43	1	10
81401610410	3221910402433	4,10	4,10	75	43	1	10
81401610420	3221910402440	4,20	4,20	75	43	1	10
81401610425	3221910402457	4,25	4,25	75	43	1	10
81401610430	3221910402464	4,30	4,30	80	47	1	10
81401610440	3221910402471	4,40	4,40	80	47	1	10
81401610450	3221910402488	4,50	4,50	80	47	1	10
81401610460	3221910402495	4,60	4,60	80	47	1	10
81401610470	3221910402501	4,70	4,70	80	47	1	10
81401610475	3221910402518	4,75	4,75	80	47	1	10
81401610480	3221910402525	4,80	4,80	86	52	1	10
81401610490	3221910402532	4,90	4,90	86	52	1	10
81401610500	3221910402549	5,00	5,00	86	52	1	10
81401610510	3221910402556	5,10	5,10	86	52	1	10
81401610520	3221910402563	5,20	5,20	86	52	1	10
81401610525	3221910402570	5,25	5,25	86	52	1	10
81401610530	3221910402587	5,30	5,30	86	52	1	10
81401610540	3221910402594	5,40	5,40	93	57	1	10
81401610550	3221910402600	5,50	5,50	93	57	1	10
81401610560	3221910402617	5,60	5,60	93	57	1	10
81401610570	3221910402624	5,70	5,70	93	57	1	10
81401610575	3221910402631	5,75	5,75	93	57	1	10
81401610580	3221910402648	5,80	5,80	93	57	1	10
81401610590	3221910402655	5,90	5,90	93	57	1	10
81401610600	3221910402662	6,00	6,00	93	57	1	10
81401610610	3221910402679	6,10	6,10	101	63	1	10
81401610620	3221910402686	6,20	6,20	101	63	1	10
81401610625	3221910402693	6,25	6,25	101	63	1	10
81401610630	3221910402709	6,30	6,30	101	63	1	10
81401610640	3221910402723	6,40	6,40	101	63	1	10
81401610650	3221910402730	6,50	6,50	101	63	1	10
81401610660	3221910402747	6,60	6,60	101	63	1	10

#01

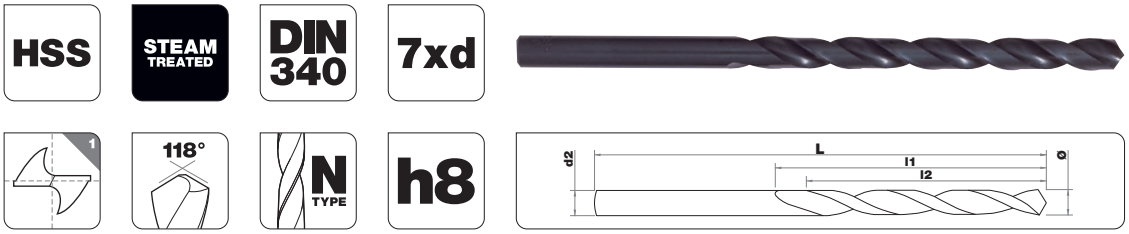
8140161	EAN	Ø	d2	L	l1	QTY	PCB
81401610670	3221910402754	6,70	6,70	101	63	1	10
81401610675	3221910402761	6,75	6,75	109	69	1	10
81401610680	3221910402778	6,80	6,80	109	69	1	10
81401610690	3221910402785	6,90	6,90	109	69	1	10
81401610700	3221910402792	7,00	7,00	109	69	1	10
81401610710	3221910402808	7,10	7,10	109	69	1	10
81401610720	3221910402815	7,20	7,20	109	69	1	10
81401610725	3221910402822	7,25	7,25	109	69	1	10
81401610730	3221910402839	7,30	7,30	109	69	1	10
81401610740	3221910402846	7,40	7,40	109	69	1	10
81401610750	3221910402853	7,50	7,50	109	69	1	10
81401610760	3221910402860	7,60	7,60	117	75	1	10
81401610770	3221910402877	7,70	7,70	117	75	1	10
81401610775	3221910402884	7,75	7,75	117	75	1	10
81401610780	3221910402891	7,80	7,80	117	75	1	10
81401610790	3221910402907	7,90	7,90	117	75	1	10
81401610800	3221910402914	8,00	8,00	117	75	1	10
81401610810	3221910402921	8,10	8,10	117	75	1	5
81401610820	3221910402938	8,20	8,20	117	75	1	5
81401610825	3221910402945	8,25	8,25	117	75	1	5
81401610830	3221910402952	8,30	8,30	117	75	1	5
81401610840	3221910402969	8,40	8,40	117	75	1	5
81401610850	3221910402976	8,50	8,50	117	75	1	5
81401610860	3221910402983	8,60	8,60	125	81	1	5
81401610870	3221910402990	8,70	8,70	125	81	1	5
81401610875	3221910403003	8,75	8,75	125	81	1	5
81401610880	3221910403010	8,80	8,80	125	81	1	5
81401610890	3221910403027	8,90	8,90	125	81	1	5
81401610900	3221910403034	9,00	9,00	125	81	1	5
81401610910	3221910403041	9,10	9,10	125	81	1	5
81401610920	3221910403058	9,20	9,20	125	81	1	5
81401610925	3221910403065	9,25	9,25	125	81	1	5
81401610930	3221910403072	9,30	9,30	125	81	1	5
81401610940	3221910403089	9,40	9,40	125	81	1	5
81401610950	3221910403096	9,50	9,50	125	81	1	5
81401610960	3221910403102	9,60	9,60	133	87	1	5
81401610970	3221910403119	9,70	9,70	133	87	1	5
81401610975	3221910403126	9,75	9,75	133	87	1	5
81401610980	3221910403133	9,80	9,80	133	87	1	5
81401610990	3221910403140	9,90	9,90	133	87	1	5
81401611000	3221910403157	10,00	10,00	133	87	1	5
81401611010	3221910403164	10,10	10,10	133	87	1	5
81401611020	3221910403171	10,20	10,20	133	87	1	5
81401611025	3221910403188	10,25	10,25	133	87	1	5
81401611030	3221910403195	10,30	10,30	133	87	1	5
81401611040	3221910403201	10,40	10,40	133	87	1	5
81401611050	3221910403218	10,50	10,50	133	87	1	5
81401611060	3221910403225	10,60	10,60	133	87	1	5
81401611070	3221910403232	10,70	10,70	142	94	1	5
81401611075	3221910403249	10,75	10,75	142	94	1	5
81401611080	3221910403256	10,80	10,80	142	94	1	5
81401611090	3221910403263	10,90	10,90	142	94	1	5
81401611100	3221910403270	11,00	11,00	142	94	1	5
81401611110	3221910403287	11,10	11,10	142	94	1	5
81401611120	3221910403294	11,20	11,20	142	94	1	5
81401611125	3221910403300	11,25	11,25	142	94	1	5
81401611130	3221910403317	11,30	11,30	142	94	1	5
81401611140	3221910403324	11,40	11,40	142	94	1	5
81401611150	3221910403331	11,50	11,50	142	94	1	5
81401611160	3221910403348	11,60	11,60	142	94	1	5
81401611170	3221910403355	11,70	11,70	142	94	1	5
81401611175	3221910403362	11,75	11,75	142	94	1	5
81401611180	3221910403379	11,80	11,80	142	94	1	5
81401611190	3221910403386	11,90	11,90	151	101	1	5
81401611200	3221910403393	12,00	12,00	151	101	1	5
81401611210	3221910403409	12,10	12,10	151	101	1	5
81401611220	3221910403416	12,20	12,20	151	101	1	5
81401611225	3221910403423	12,25	12,25	151	101	1	5
81401611230	3221910403430	12,30	12,30	151	101	1	5
81401611240	3221910403447	12,40	12,40	151	101	1	5
81401611250	3221910403454	12,50	12,50	151	101	1	5
81401611260	3221910403461	12,60	12,60	151	101	1	5
81401611270	3221910403478	12,70	12,70	151	101	1	5
81401611275	3221910403485	12,75	12,75	151	101	1	5
81401611280	3221910403492	12,80	12,80	151	101	1	5
81401611300	3221910403515	13,00	13,00	151	101	1	5
81401611350	3221910403539	13,50	13,50	160	108	1	5
81401611400	3221910403546	14,00	14,00	160	108	1	5
81401611425	3221910403553	14,25	14,25	169	114	1	5
81401611450	3221910403560	14,50	14,50	169	114	1	5
81401611500	3221910403584	15,00	15,00	169	114	1	5

8140161	EAN	Ø	d2	L	l1	QTY	PCB
81401611525	3221910403591	15,25	15,25	178	120	1	1
81401611550	3221910403607	15,50	15,50	178	120	1	1
81401611575	3221910403614	15,75	15,75	178	120	1	1
81401611600	3221910403621	16,00	16,00	178	120	1	1

HSS ROLL FORGED LONG SERIES DRILL.

BROCA HSS LAMINADA CILÍNDRICA. SERIE LARGA.

PUNTA HSS LAMINATA CILINDRICA LUNGA.



For steels.

Para aceros en general.

Foratura dell'acciaio comune.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

9020031	EAN	Ø	d2	L	l1	QTY	PCB
90200310200	3221910819453	2,00	2,00	85	56	1	10
90200310250	3221910102401	2,50	2,50	95	62	1	10
90200310300	3221910102418	3,00	3,00	100	66	1	10
90200310320	3221910102425	3,20	3,20	106	69	1	10
90200310350	3221910102449	3,50	3,50	112	73	1	10
90200310400	3221910102456	4,00	4,00	119	78	1	10
90200310420	3221910102463	4,20	4,20	119	78	1	10
90200310450	3221910102470	4,50	4,50	126	82	1	10
90200310500	3221910102487	5,00	5,00	132	87	1	10
90200310550	3221910102500	5,50	5,50	139	91	1	10
90200310600	3221910102524	6,00	6,00	139	91	1	10
90200310650	3221910102531	6,50	6,50	148	97	1	10
90200310700	3221910819460	7,00	7,00	156	102	1	10
90200310750	3221910102562	7,50	7,50	156	102	1	10
90200310800	3221910102579	8,00	8,00	165	109	1	10
90200310850	3221910102586	8,50	8,50	165	109	1	10
90200310900	3221910102593	9,00	9,00	175	115	1	5
90200310950	3221910102609	9,50	9,50	175	115	1	5
90200311000	3221910102616	10,00	10,00	184	121	1	5
90200311100	3221910102630	11,00	11,00	195	128	1	5
90200311200	3221910102654	12,00	12,00	205	134	1	1
90200311300	3221910102678	13,00	13,00	205	134	1	1
90200311400	3221910102692	14,00	14,00	214	140	1	1

HSS FULLY GROUND LONG SERIES DRILL | T LINE

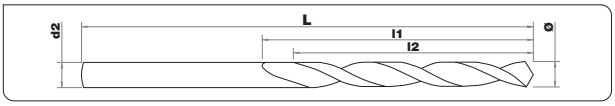
BROCA HSS RECTIFICADA CILÍNDRICA SERIE LARGA | T LINE

PUNTA HSS CILINDRICA LUNGA. TIPO N | T LINE

#01

HSS | STEAM TREATED | DIN 340 | 7xd

4 | 118° | N TYPE | h8



For steels < 700 N/mm²

Para aceros < 700 N/mm²

Foratura di acciai <700 N/mm²

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

1140561	EAN	Ø	d2	L	l1	QTY	PCB
11405610100	3221912001696	1,00	1,00	56	33	1	10
11405610120	3221912001702	1,20	1,20	65	41	1	10
11405610150	3221912001719	1,50	1,50	70	45	1	10
11405610180	3221912001726	1,80	1,80	80	53	1	10
11405610200	3221912001733	2,00	2,00	85	56	1	10
11405610220	3221912001740	2,20	2,20	90	59	1	10
11405610225	3221912001757	2,25	2,25	90	59	1	10
11405610250	3221912001764	2,50	2,50	95	62	1	10
11405610275	3221912001771	2,75	2,75	100	66	1	10
11405610300	3221912001788	3,00	3,00	100	66	1	10
11405610320	3221912001795	3,20	3,20	106	69	1	10
11405610325	3221912001801	3,25	3,25	106	69	1	10
11405610330	3221912001818	3,30	3,30	106	69	1	10
11405610350	3221912001825	3,50	3,50	112	73	1	10
11405610375	3221912001832	3,75	3,75	112	73	1	10
11405610380	3221912001849	3,80	3,80	119	78	1	10
11405610400	3221912001856	4,00	4,00	119	78	1	10
11405610410	3221912001863	4,10	4,10	119	78	1	10
11405610420	3221912001870	4,20	4,20	119	78	1	10
11405610425	3221912001887	4,25	4,25	119	78	1	10
11405610450	3221912001894	4,50	4,50	126	82	1	10
11405610475	3221912001900	4,75	4,75	126	82	1	10
11405610480	3221912001917	4,80	4,80	132	87	1	10
11405610500	3221912001924	5,00	5,00	132	87	1	10
11405610520	3221912001931	5,20	5,20	132	87	1	10
11405610525	3221912001948	5,25	5,25	132	87	1	10
11405610550	3221912001955	5,50	5,50	139	91	1	10
11405610575	3221912001962	5,75	5,75	139	91	1	10
11405610580	3221912001979	5,80	5,80	139	91	1	10
11405610600	3221912001986	6,00	6,00	139	91	1	10
11405610625	3221912001993	6,25	6,25	148	97	1	10
11405610650	3221912002006	6,50	6,50	148	97	1	10
11405610675	3221912002013	6,75	6,75	156	102	1	10
11405610680	3221912002020	6,80	6,80	156	102	1	10
11405610700	3221912002037	7,00	7,00	156	102	1	10
11405610750	3221912002044	7,50	7,50	156	102	1	10
11405610800	3221912002051	8,00	8,00	165	109	1	10
11405610850	3221912002068	8,50	8,50	165	109	1	5
11405610900	3221912002075	9,00	9,00	175	115	1	5
11405610950	3221912002082	9,50	9,50	175	115	1	5
11405611000	3221912002150	10,00	10,00	184	121	1	5
11405611050	3221912002099	10,50	10,50	184	121	1	5
11405611100	3221912002105	11,00	11,00	195	128	1	5
11405611150	3221912002112	11,50	11,50	195	128	1	5
11405611200	3221912002129	12,00	12,00	205	134	1	5
11405611250	3221912002136	12,50	12,50	205	134	1	5
11405611300	3221912002143	13,00	13,00	205	134	1	5

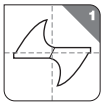
HSS FULLY GROUND LONG SERIES DRILL.

BROCA HSS RECTIFICADA CILÍNDRICA SERIE LARGA.

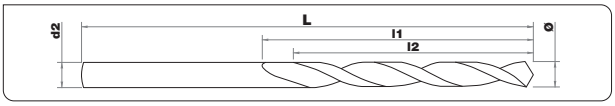
PUNTA HSS CILINDRICA LUNGA. TIPO N.

#01

HSS | STEAM TREATED | DIN 340 | 7xd



118° | N TYPE | h8



For steels and cast irons. Robustness, accuracy.

Para aceros y fundiciones. Fuerza, precisión.

Foratura di acciai <950 N/mm² e ghise. Robustezza e precisione.

AB

Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

C

Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

H

Austenitic stainless steels
Aceros inoxidables austeniticos
Acciai inossidabili austenitici

IJ

Cast iron
Fundiciones
Ghisa

1140331	EAN	ø	d2	L	l1	QTY	PCB
11403310100	3221910158002	1	1	56	33	1	10
11403310110	3221910158026	1,1	1,1	60	37	1	10
11403310120	3221910158040	1,2	1,2	65	41	1	10
11403310125	3221910158057	1,25	1,25	65	41	1	10
11403310130	3221910158064	1,3	1,3	65	41	1	10
11403310140	3221910158088	1,4	1,4	70	45	1	10
11403310150	3221910158101	1,5	1,5	70	45	1	10
11403310160	3221910158132	1,6	1,6	76	50	1	10
11403310170	3221910158156	1,7	1,7	76	50	1	10
11403310175	3221910158163	1,75	1,75	80	53	1	10
11403310180	3221910158170	1,8	1,8	80	53	1	10
11403310190	3221910158194	1,9	1,9	80	53	1	10
11403310200	3221910158224	2	2	85	56	1	10
11403310210	3221910158248	2,1	2,1	85	56	1	10
11403310220	3221910158262	2,2	2,2	90	59	1	10
11403310230	3221910158286	2,3	2,3	90	59	1	10
11403310240	3221910158316	2,4	2,4	95	62	1	10
11403310250	3221910158330	2,5	2,5	95	62	1	10
11403310260	3221910158354	2,6	2,6	95	62	1	10
11403310270	3221910158378	2,7	2,7	100	66	1	10
11403310280	3221910158408	2,8	2,8	100	66	1	10
11403310290	3221910158422	2,9	2,9	100	66	1	10
11403310300	3221910158446	3	3	100	66	1	10
11403310310	3221910158460	3,1	3,1	106	69	1	10
11403310320	3221910158491	3,2	3,2	106	69	1	10
11403310325	3221910158507	3,25	3,25	106	69	1	10
11403310330	3221910158514	3,3	3,3	106	69	1	10
11403310340	3221910158538	3,4	3,4	112	73	1	10
11403310350	3221910158552	3,5	3,5	112	73	1	10
11403310360	3221910158583	3,6	3,6	112	73	1	10
11403310370	3221910158606	3,7	3,7	112	73	1	10
11403310375	3221910158613	3,75	3,75	112	73	1	10
11403310380	3221910158620	3,8	3,8	119	78	1	10
11403310390	3221910158644	3,9	3,9	119	78	1	10
11403310400	3221910158675	4	4	119	78	1	10
11403310410	3221910158682	4,1	4,1	119	78	1	10
11403310420	3221910158699	4,2	4,2	119	78	1	10
11403310425	3221910158705	4,25	4,25	119	78	1	10
11403310430	3221910158712	4,3	4,3	126	82	1	10
11403310440	3221910158736	4,4	4,4	126	82	1	10
11403310450	3221910158743	4,5	4,5	126	82	1	10
11403310460	3221910158750	4,6	4,6	126	82	1	10
11403310470	3221910158767	4,7	4,7	126	82	1	10
11403310475	3221910158774	4,75	4,75	126	82	1	10
11403310480	3221910158798	4,8	4,8	132	87	1	10
11403310490	3221910158804	4,9	4,9	132	87	1	10
11403310500	3221910158811	5	5	132	87	1	10
11403310510	3221910158828	5,1	5,1	132	87	1	10
11403310520	3221910158842	5,2	5,2	132	87	1	10
11403310525	3221910158859	5,25	5,25	132	87	1	10
11403310530	3221910158866	5,3	5,3	132	87	1	10

1140331	EAN	Ø	d2	L	l1	QTY	PCB
11403310540	3221910158873	5,4	5,4	139	91	1	10
11403310550	3221910158880	5,5	5,5	139	91	1	10
11403310560	3221910158910	5,6	5,6	139	91	1	10
11403310570	3221910158927	5,7	5,7	139	91	1	10
11403310575	3221910158934	5,75	5,75	139	91	1	10
11403310580	3221910158941	5,8	5,8	139	91	1	10
11403310590	3221910158958	5,9	5,9	139	91	1	10
11403310600	3221910158972	6	6	139	91	1	10
11403310610	3221910158989	6,1	6,1	148	97	1	10
11403310620	3221910158996	6,2	6,2	148	97	1	10
11403310625	3221910159009	6,25	6,25	148	97	1	10
11403310630	3221910159016	6,3	6,3	148	97	1	10
11403310640	3221910159030	6,4	6,4	148	97	1	10
11403310650	3221910159047	6,5	6,5	148	97	1	10
11403310660	3221910159054	6,6	6,6	148	97	1	10
11403310670	3221910159061	6,7	6,7	148	97	1	10
11403310675	3221910159078	6,75	6,75	156	102	1	10
11403310680	3221910159085	6,8	6,8	156	102	1	10
11403310690	3221910159092	6,9	6,9	156	102	1	10
11403310700	3221910159108	7	7	156	102	1	10
11403310710	3221910159115	7,1	7,1	156	102	1	10
11403310720	3221910159139	7,2	7,2	156	102	1	10
11403310725	3221910159146	7,25	7,25	156	102	1	10
11403310730	3221910159153	7,3	7,3	156	102	1	10
11403310740	3221910159160	7,4	7,4	156	102	1	10
11403310750	3221910159177	7,5	7,5	156	102	1	10
11403310760	3221910159191	7,6	7,6	165	109	1	10
11403310770	3221910159207	7,7	7,7	165	109	1	10
11403310775	3221910159214	7,75	7,75	165	109	1	10
11403310780	3221910159221	7,8	7,8	165	109	1	10
11403310790	3221910159238	7,9	7,9	165	109	1	10
11403310800	3221910159252	8	8	165	109	1	10
11403310810	3221910159269	8,1	8,1	165	109	1	5
11403310820	3221910159276	8,2	8,2	165	109	1	5
11403310825	3221910159283	8,25	8,25	165	109	1	5
11403310830	3221910159290	8,3	8,3	165	109	1	5
11403310840	3221910159313	8,4	8,4	165	109	1	5
11403310850	3221910159320	8,5	8,5	165	109	1	5
11403310860	3221910159337	8,6	8,6	175	115	1	5
11403310870	3221910159344	8,7	8,7	175	115	1	5
11403310875	3221910159368	8,75	8,75	175	115	1	5
11403310880	3221910159375	8,8	8,8	175	115	1	5
11403310890	3221910159382	8,9	8,9	175	115	1	5
11403310900	3221910159399	9	9	175	115	1	5
11403310910	3221910159405	9,1	9,1	175	115	1	5
11403310920	3221910159429	9,2	9,2	175	115	1	5
11403310925	3221910159436	9,25	9,25	175	115	1	5
11403310930	3221910159443	9,3	9,3	175	115	1	5
11403310940	3221910159450	9,4	9,4	175	115	1	5
11403310950	3221910159467	9,5	9,5	175	115	1	5
11403310960	3221910159481	9,6	9,6	184	121	1	5
11403310970	3221910159498	9,7	9,7	184	121	1	5
11403310975	3221910159504	9,75	9,75	184	121	1	5
11403310980	3221910159511	9,8	9,8	184	121	1	5
11403310990	3221910159528	9,9	9,9	184	121	1	5
11403311000	3221910159542	10	10	184	121	1	5
11403311020	3221910159566	10,2	10,2	184	121	1	5
11403311025	3221910159573	10,25	10,25	184	121	1	5
11403311050	3221910159603	10,5	10,5	184	121	1	5
11403311080	3221910159634	10,8	10,8	195	128	1	5
11403311100	3221910159641	11	11	195	128	1	5
11403311150	3221910159689	11,5	11,5	195	128	1	1
11403311175	3221910159702	11,75	11,75	195	128	1	1
11403311180	3221910159719	11,8	11,8	195	128	1	1
11403311200	3221910159740	12	12	205	134	1	1
11403311220	3221910159757	12,2	12,2	205	134	1	1
11403311225	3221910159764	12,25	12,25	205	134	1	1
11403311250	3221910159788	12,5	12,5	205	134	1	1
11403311280	3221910159818	12,8	12,8	205	134	1	1
11403311300	3221910159825	13	13	205	134	1	1
11403311350	3221910159849	13,5	13,5	214	140	1	1
11403311375	3221910159856	13,75	13,75	214	140	1	1
11403311400	3221910159863	14	14	214	140	1	1
11403311450	3221910159894	14,5	14,5	220	144	1	1
11403311500	3221910159917	15	15	220	144	1	1
11403311550	3221910159931	15,5	15,5	227	149	1	1
11403311600	3221910159955	16	16	227	149	1	1
11403311650	3221910159979	16,5	16,5	235	154	1	1
11403311700	3221910159993	17	17	235	154	1	1
11403311800	3221910160036	18	18	241	158	1	1
11403311850	3221910160050	18,5	18,5	247	162	1	1

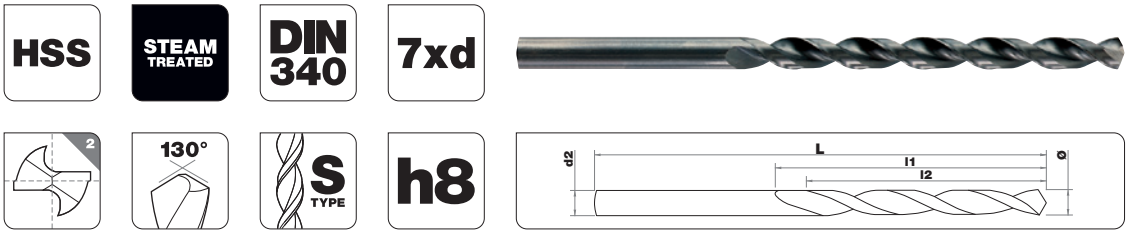
1140331	EAN	Ø	d2	L	l1	QTY	PCB
11403311900	3221910160074	19	19	247	162	1	1
11403311950	3221910160098	19,5	19,5	254	166	1	1
11403312000	3221910160111	20	20	254	166	1	1

#01

HSS FULLY GROUND LONG SERIES DRILL. S TYP

BROCA HSS RECTIFICADA CILÍNDRICA. SERIE LARGA. TIPO S

PUNTA HSS CILINDRICA LUNGA. TIPO S | 1/3 2/3.



For steels < 950 N/mm². Wide dispersal of filings.

Para aceros . Gran desalojo de viruta.

Foratura di acciai <950 N/mm². Efficace rimozione dei trucioli.

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

D Heat Treatable Steels <1200N/mm²
Aceros aleados y tratados < 1200N/mm²
Acciai per trattamento termico <1200N/mm²

1140361	EAN	Ø	d2	L	l1	QTY	PCB
11403610200	3221910161231	2	2	85	56	1	10
11403610220	3221910161255	2,2	2,2	90	59	1	10
11403610250	3221910161293	2,5	2,5	95	62	1	10
11403610260	3221910161309	2,6	2,6	95	62	1	10
11403610280	3221910161330	2,8	2,8	100	66	1	10
11403610300	3221910161354	3	3	100	66	1	10
11403610320	3221910161378	3,2	3,2	106	69	1	10
11403610350	3221910161415	3,5	3,5	112	73	1	10
11403610380	3221910161453	3,8	3,8	119	78	1	10
11403610390	3221910161460	3,9	3,9	119	78	1	10
11403610400	3221910161477	4	4	119	78	1	10
11403610410	3221910161484	4,1	4,1	119	78	1	10
11403610420	3221910161491	4,2	4,2	119	78	1	10
11403610450	3221910161538	4,5	4,5	126	82	1	10
11403610500	3221910161590	5	5	132	87	1	10
11403610520	3221910161613	5,2	5,2	132	87	1	10
11403610550	3221910161651	5,5	5,5	139	91	1	10
11403610580	3221910161699	5,8	5,8	139	91	1	10
11403610600	3221910161712	6	6	139	91	1	10
11403610630	3221910161750	6,3	6,3	148	97	1	10
11403610650	3221910161774	6,5	6,5	148	97	1	10
11403610680	3221910161811	6,8	6,8	156	102	1	10
11403610700	3221910161835	7	7	156	102	1	10
11403610750	3221910161897	7,5	7,5	156	102	1	10
11403610770	3221910161910	7,7	7,7	165	109	1	10
11403610800	3221910161958	8	8	165	109	1	10
11403610830	3221910161989	8,3	8,3	165	109	1	5
11403610850	3221910162009	8,5	8,5	165	109	1	5
11403610900	3221910162061	9	9	175	115	1	5
11403610950	3221910162115	9,5	9,5	175	115	1	5
11403611000	3221910162160	10	10	184	121	1	5
11403611050	3221910162207	10,5	10,5	184	121	1	5
11403611100	3221910162221	11	11	195	128	1	5
11403611200	3221910162252	12	12	205	134	1	1
11403611300	3221910162276	13	13	205	134	1	1

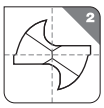
HSS FULLY GROUND LONG SERIES DRILL. SW TYPE

BROCA HSS RECTIFICADA CILÍNDRICA. SERIE LARGA. TIPO S W.

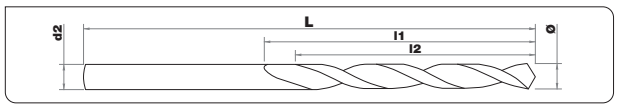
PUNTA HSS CILINDRICA LUNGA. TIPO S/W.

#01

HSS | BRIGHT UNCOATED | DIN 340 | 7xd



h8



For aluminium. Reduction of adhesive wear.(inserted edge).

Para aluminio. Reducción del desgaste adhesivo. (Filo recrecido).

Foratura di alluminio. Riduzione dell'usura.

K Fat aluminium alloys
Aleaciones de aluminio dúctil
Leghe di alluminio grasso

L Aluminium alloys Si<10%
Aleaciones de aluminio Si<10%
Leghe di alluminio grasso Si <10%

1140381	EAN	Ø	d2	L	l1	QTY	PCB
11403810100	3221910162306	1	1	56	33	1	10
11403810110	3221910162313	1,1	1,1	60	37	1	10
11403810120	3221910162320	1,2	1,2	65	41	1	10
11403810130	3221910162344	1,3	1,3	65	41	1	10
11403810140	3221910162351	1,4	1,4	70	44	1	10
11403810150	3221910162368	1,5	1,5	70	44	1	10
11403810160	3221910162375	1,6	1,6	76	50	1	10
11403810170	3221910162382	1,7	1,7	76	50	1	10
11403810180	3221910162405	1,8	1,8	80	53	1	10
11403810190	3221910162412	1,9	1,9	80	53	1	10
11403810200	3221910162429	2	2	85	56	1	10
11403810210	3221910162436	2,1	2,1	85	56	1	10
11403810220	3221910162443	2,2	2,2	90	59	1	10
11403810230	3221910162467	2,3	2,3	90	59	1	10
11403810240	3221910162474	2,4	2,4	95	62	1	10
11403810250	3221910162481	2,5	2,5	95	62	1	10
11403810260	3221910162498	2,6	2,6	95	62	1	10
11403810270	3221910162504	2,7	2,7	100	66	1	10
11403810280	3221910162528	2,8	2,8	100	66	1	10
11403810290	3221910162535	2,9	2,9	100	66	1	10
11403810300	3221910162542	3	3	100	66	1	10
11403810310	3221910162559	3,1	3,1	106	69	1	10
11403810320	3221910162566	3,2	3,2	106	69	1	10
11403810325	3221910162573	3,25	3,25	106	69	1	10
11403810330	3221910162580	3,3	3,3	106	69	1	10
11403810340	3221910162597	3,4	3,4	112	73	1	10
11403810350	3221910162603	3,5	3,5	112	73	1	10
11403810360	3221910162610	3,6	3,6	112	73	1	10
11403810370	3221910162627	3,7	3,7	112	73	1	10
11403810380	3221910162641	3,8	3,8	119	78	1	10
11403810390	3221910162658	3,9	3,9	119	78	1	10
11403810400	3221910162665	4	4	119	78	1	10
11403810410	3221910162672	4,1	4,1	119	78	1	10
11403810420	3221910162689	4,2	4,2	119	78	1	10
11403810430	3221910162702	4,3	4,3	126	82	1	10
11403810440	3221910162719	4,4	4,4	126	82	1	10
11403810450	3221910162726	4,5	4,5	126	82	1	10
11403810460	3221910162733	4,6	4,6	126	82	1	10
11403810470	3221910162740	4,7	4,7	126	82	1	10
11403810480	3221910162764	4,8	4,8	132	87	1	10
11403810490	3221910162771	4,9	4,9	132	87	1	10
11403810500	3221910162788	5	5	132	87	1	10
11403810510	3221910162795	5,1	5,1	132	87	1	10
11403810520	3221910162801	5,2	5,2	132	87	1	10
11403810530	3221910162825	5,3	5,3	132	87	1	10
11403810540	3221910162832	5,4	5,4	139	91	1	10
11403810550	3221910162849	5,5	5,5	139	91	1	10
11403810560	3221910162856	5,6	5,6	139	91	1	10
11403810570	3221910162863	5,7	5,7	139	91	1	10
11403810580	3221910162887	5,8	5,8	139	91	1	10
11403810590	3221910162894	5,9	5,9	139	91	1	10
11403810600	3221910162900	6	6	139	91	1	10
11403810610	3221910162917	6,1	6,1	148	97	1	10
11403810620	3221910162924	6,2	6,2	148	97	1	10
11403810650	3221910162962	6,5	6,5	148	97	1	10
11403810680	3221910163006	6,8	6,8	156	102	1	10

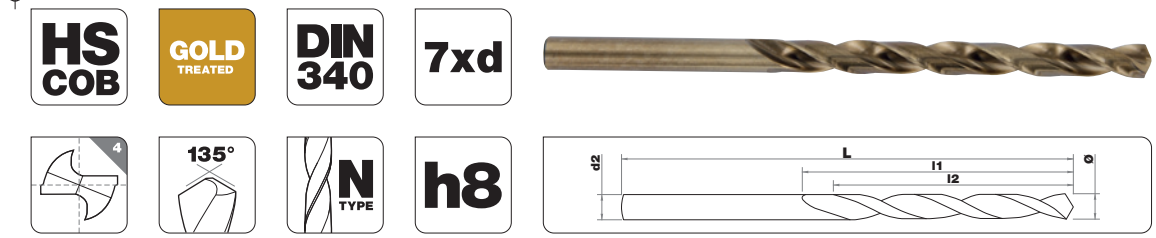
#01

1140381	EAN	Ø	d2	L	l1	QTY	PCB
11403810700	3221910163020	7	7	156	102	1	10
11403810750	3221910163082	7,5	7,5	156	102	1	10
11403810800	3221910163143	8	8	165	109	1	10
11403810820	3221910163167	8,2	8,2	165	109	1	5
11403810850	3221910163204	8,5	8,5	165	109	1	5
11403810880	3221910163235	8,8	8,8	175	115	1	5
11403810900	3221910163259	9	9	175	115	1	5
11403810950	3221910163310	9,5	9,5	175	115	1	5
11403811000	3221910163372	10	10	184	121	1	5
11403811020	3221910163396	10,2	10,2	184	121	1	5
11403811050	3221910163426	10,5	10,5	184	121	1	5
11403811100	3221910163457	11	11	195	128	1	5
11403811150	3221910163488	11,5	11,5	195	128	1	1
11403811200	3221910163518	12	12	205	134	1	1
11403811250	3221910163549	12,5	12,5	205	134	1	1
11403811300	3221910163570	13	13	205	134	1	1

HSCOB FULLY GROUND LONG SERIES DRILL | T LINE

BROCA HSCOB RECTIFICADA CILÍNDRICA SERIE LARGA | T LINE

PUNTA HSCOB CILINDRICA LUNGA. TIPO N | T LINE



For steels and austenitic stainless steels.

Para aceros y aceros inoxidables austeníticos.

Foratura acciai e acciai inossidabili austenitici.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

1140571	EAN	Ø	d2	L	l1	QTY	PCB
11405710250	3221912001528	2,50	2,50	57	30	1	10
11405710300	3221912001665	3,00	3,00	61	33	1	10
11405710350	3221912001535	3,50	3,50	70	39	1	10
11405710400	3221912001542	4,00	4,00	75	43	1	10
11405710450	3221912001559	4,50	4,50	80	47	1	10
11405710500	3221912001566	5,00	5,00	86	52	1	10
11405710550	3221912001573	5,50	5,50	93	57	1	10
11405710600	3221912001580	6,00	6,00	93	57	1	10
11405710650	3221912001597	6,50	6,50	101	63	1	10
11405710700	3221912001603	7,00	7,00	109	69	1	10
11405710800	3221912001610	8,00	8,00	117	75	1	10
11405710850	3221912001634	8,50	8,50	117	75	1	5
11405710900	3221912001641	9,00	9,00	125	81	1	5
11405711000	3221912001658	10,00	10,00	133	87	1	5

HSCOB FULLY GROUND LONG SERIES DRILL

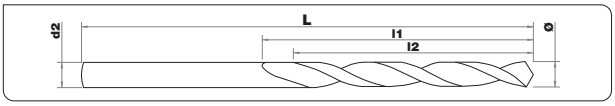
BROCA HSCOB RECTIFICADA CILÍNDRICA. SERIE LARGA

PUNTA HSCOB CILINDRICA LUNGA. TIPO N

#01

HS COB | BRIGHT UNCOATED | DIN 340 | 7xd

4 | 130° | N TYPE | h8



For stainless steels.

Para aceros inoxidables.

Concepita per la foratura di acciai inossidabili.

F Ferritic stainless steels
Aceros inoxidables ferríticos
acciai inossidabili ferritici

G Martensitic stainless steels
Aceros inoxidables martensíticos
acciai inossidabili martensitici

H Austenitic stainless steels
Aceros inoxidables austeniticos
Acciai inossidabili austenitici

8140421	EAN	Ø	d2	L	l1	QTY	PCB
81404210100	3221910742942	1	1	56	33	1	10
81404210110	3221910742959	1,1	1,1	60	37	1	10
81404210120	3221910742966	1,2	1,2	65	41	1	10
81404210125	3221910742973	1,25	1,25	65	41	1	10
81404210130	3221910742980	1,3	1,3	70	45	1	10
81404210140	3221910742997	1,4	1,4	70	45	1	10
81404210150	3221910743000	1,5	1,5	76	50	1	10
81404210160	3221910743017	1,6	1,6	76	50	1	10
81404210170	3221910743024	1,7	1,7	80	53	1	10
81404210175	3221910743031	1,75	1,75	80	53	1	10
81404210180	3221910743048	1,8	1,8	80	53	1	10
81404210190	3221910743055	1,9	1,9	80	53	1	10
81404210200	3221910743062	2	2	85	56	1	10
81404210210	3221910743079	2,1	2,1	85	56	1	10
81404210220	3221910743086	2,2	2,2	90	59	1	10
81404210230	3221910743109	2,3	2,3	90	59	1	10
81404210240	3221910743116	2,4	2,4	95	62	1	10
81404210250	3221910743123	2,5	2,5	95	62	1	10
81404210260	3221910743130	2,6	2,6	95	62	1	10
81404210270	3221910743147	2,7	2,7	100	66	1	10
81404210275	3221910743154	2,75	2,75	100	66	1	10
81404210280	3221910743161	2,8	2,8	100	66	1	10
81404210290	3221910743178	2,9	2,9	100	66	1	10
81404210300	3221910743185	3	3	100	66	1	10
81404210320	3221910743208	3,2	3,2	106	69	1	10
81404210325	3221910743215	3,25	3,25	106	69	1	10
81404210330	3221910743222	3,3	3,3	106	69	1	10
81404210350	3221910743239	3,5	3,5	112	73	1	10
81404210370	3221910743253	3,7	3,7	112	73	1	10
81404210380	3221910743260	3,8	3,8	119	78	1	10
81404210400	3221910743277	4	4	119	78	1	10
81404210410	3221910743284	4,1	4,1	119	78	1	10
81404210420	3221910743291	4,2	4,2	119	78	1	10
81404210430	3221910743307	4,3	4,3	126	82	1	10
81404210440	3221910743314	4,4	4,4	126	82	1	10
81404210450	3221910743321	4,5	4,5	126	82	1	10
81404210470	3221910743338	4,7	4,7	126	82	1	10
81404210480	3221910743345	4,8	4,8	132	87	1	10
81404210490	3221910743352	4,9	4,9	132	87	1	10
81404210500	3221910743369	5	5	132	87	1	10
81404210510	3221910743376	5,1	5,1	132	87	1	10
81404210520	3221910743383	5,2	5,2	132	87	1	10
81404210540	3221910743390	5,4	5,4	139	91	1	10
81404210550	3221910743406	5,5	5,5	139	91	1	10
81404210560	3221910743413	5,6	5,6	139	91	1	10
81404210570	3221910743420	5,7	5,7	139	91	1	10
81404210575	3221910743437	5,75	5,75	139	91	1	10
81404210580	3221910743444	5,8	5,8	139	91	1	10
81404210590	3221910743451	5,9	5,9	139	91	1	10
81404210600	3221910743468	6	6	139	91	1	10
81404210620	3221910743475	6,2	6,2	148	97	1	10
81404210625	3221910743482	6,25	6,25	148	97	1	10
81404210650	3221910743499	6,5	6,5	148	97	1	10
81404210675	3221910743505	6,75	6,75	156	102	1	10
81404210680	3221910743512	6,8	6,8	156	102	1	10
81404210700	3221910743529	7	7	156	102	1	10

#01

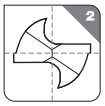
8140421	EAN	Ø	d2	L	l1	QTY	PCB
81404210725	3221910743536	7,25	7,25	156	102	1	10
81404210750	3221910743543	7,5	7,5	156	102	1	10
81404210775	3221910743550	7,75	7,75	165	109	1	10
81404210780	3221910743567	7,8	7,8	165	109	1	10
81404210800	3221910743574	8	8	165	109	1	10
81404210820	3221910743581	8,2	8,2	165	109	1	5
81404210850	3221910743598	8,5	8,5	165	109	1	5
81404210875	3221910743604	8,75	8,75	175	115	1	5
81404210880	3221910743611	8,8	8,8	175	115	1	5
81404210900	3221910743628	9	9	175	115	1	5
81404210950	3221910743635	9,5	9,5	175	115	1	5
81404210980	3221910743642	9,8	9,8	184	121	1	5
81404211000	3221910743659	10	10	184	121	1	5
81404211020	3221910743666	10,2	10,2	184	121	1	5
81404211025	3221910743673	10,25	10,25	184	121	1	5
81404211050	3221910743680	10,5	10,5	184	121	1	5
81404211075	3221910743697	10,75	10,75	195	128	1	5
81404211080	3221910743703	10,8	10,8	195	128	1	5
81404211100	3221910743710	11	11	195	128	1	5
81404211120	3221910743727	11,2	11,2	195	128	1	1
81404211125	3221910743734	11,25	11,25	195	128	1	1
81404211150	3221910743741	11,5	11,5	195	128	1	1
81404211175	3221910743758	11,75	11,75	195	128	1	1
81404211180	3221910743765	11,8	11,8	195	128	1	1
81404211200	3221910743772	12	12	205	134	1	1
81404211220	3221910743789	12,2	12,2	205	134	1	1
81404211225	3221910743796	12,25	12,25	205	134	1	1
81404211250	3221910743802	12,5	12,5	205	134	1	1
81404211275	3221910743819	12,75	12,75	205	134	1	1
81404211280	3221910743826	12,8	12,8	205	134	1	1
81404211300	3221910743833	13	13	205	134	1	1

HSCOB FULLY GROUND LONG SERIES DRILL. TYPE S. 1/3 2/3.

BROCA HSCOB RECTIFICADA. SERIE LARGA. TIPO S. PUNTA 1/3 2/3.

PUNTA HSCOB CILINDRICA LUNGA. TIPO S | 1/3 2/3.

HS COB | BRIGHT UNCOATED | DIN 340 | 7xd



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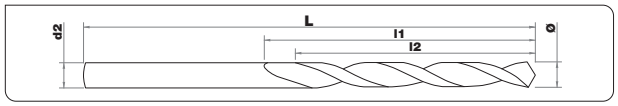


For deep holes. Universal application. High Performance.

Para orificios profundos. Uso universal. Gran rendimiento.

Concepita per forature polivalenti e fori profondi. Alte prestazioni.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

FGH Stainless Steels
Aceros inoxidables
Acciai inossidabili

J SG iron
Fundición nodular
Ghisa GS

M Aluminium alloys Si>10%
Aleaciones de aluminio Si>10%
Leghe di alluminio Si >10%

8140441	EAN	Ø	d2	L	l1	QTY	PCB
81404410200	3221910745783	2	2	85	56	1	10
81404410210	3221910745790	2,1	2,1	85	56	1	10
81404410220	3221910745806	2,2	2,2	90	59	1	10
81404410230	3221910745813	2,3	2,3	90	59	1	10
81404410240	3221910745820	2,4	2,4	95	62	1	10
81404410250	3221910745837	2,5	2,5	95	62	1	10
81404410260	3221910745844	2,6	2,6	95	62	1	10
81404410270	3221910745851	2,7	2,7	100	66	1	10
81404410280	3221910745868	2,8	2,8	100	66	1	10
81404410290	3221910745875	2,9	2,9	100	66	1	10
81404410300	3221910745882	3	3	100	66	1	10
81404410310	3221910745899	3,1	3,1	106	69	1	10
81404410320	3221910745905	3,2	3,2	106	69	1	10
81404410325	3221910745912	3,25	3,25	106	69	1	10
81404410330	3221910745929	3,3	3,3	106	69	1	10
81404410340	3221910745936	3,4	3,4	112	73	1	10
81404410350	3221910745943	3,5	3,5	112	73	1	10

#01

8140441	EAN	Ø	d2	L	l1	QTY	PCB
81404410360	3221910745950	3,6	3,6	112	73	1	10
81404410370	3221910745967	3,7	3,7	112	73	1	10
81404410375	3221910745974	3,75	3,75	112	73	1	10
81404410380	3221910745981	3,8	3,8	119	78	1	10
81404410390	3221910745998	3,9	3,9	119	78	1	10
81404410400	3221910746001	4	4	119	78	1	10
81404410410	3221910746018	4,1	4,1	119	78	1	10
81404410420	3221910746025	4,2	4,2	119	78	1	10
81404410425	3221910746032	4,25	4,25	119	78	1	10
81404410430	3221910746049	4,3	4,3	126	82	1	10
81404410440	3221910746056	4,4	4,4	126	82	1	10
81404410450	3221910746063	4,5	4,5	126	82	1	10
81404410460	3221910746070	4,6	4,6	126	82	1	10
81404410470	3221910746087	4,7	4,7	126	82	1	10
81404410480	3221910746094	4,8	4,8	132	87	1	10
81404410490	3221910746100	4,9	4,9	132	87	1	10
81404410500	3221910746117	5	5	132	87	1	10
81404410510	3221910746124	5,1	5,1	132	87	1	10
81404410520	3221910746131	5,2	5,2	132	87	1	10
81404410525	3221910746148	5,25	5,25	132	87	1	10
81404410530	3221910746155	5,3	5,3	132	87	1	10
81404410540	3221910746162	5,4	5,4	139	91	1	10
81404410550	3221910746179	5,5	5,5	139	91	1	10
81404410560	3221910746186	5,6	5,6	139	91	1	10
81404410570	3221910746193	5,7	5,7	139	91	1	10
81404410575	3221910746209	5,75	5,75	139	91	1	10
81404410580	3221910746216	5,8	5,8	139	91	1	10
81404410590	3221910746223	5,9	5,9	139	91	1	10
81404410600	3221910746230	6	6	139	91	1	10
81404410610	3221910746247	6,1	6,1	148	97	1	10
81404410620	3221910746254	6,2	6,2	148	97	1	10
81404410625	3221910746261	6,25	6,25	148	97	1	10
81404410630	3221910746278	6,3	6,3	148	97	1	10
81404410640	3221910746285	6,4	6,4	148	97	1	10
81404410650	3221910746292	6,5	6,5	148	97	1	10
81404410660	3221910746308	6,6	6,6	148	97	1	10
81404410670	3221910746315	6,7	6,7	148	97	1	10
81404410675	3221910746322	6,75	6,75	156	102	1	10
81404410680	3221910746339	6,8	6,8	156	102	1	10
81404410690	3221910746346	6,9	6,9	156	102	1	10
81404410700	3221910746353	7	7	156	102	1	10
81404410710	3221910746360	7,1	7,1	156	102	1	10
81404410720	3221910746377	7,2	7,2	156	102	1	10
81404410730	3221910746384	7,3	7,3	156	102	1	10
81404410740	3221910746391	7,4	7,4	156	102	1	10
81404410750	3221910746407	7,5	7,5	156	102	1	10
81404410760	3221910746414	7,6	7,6	165	109	1	10
81404410770	3221910746421	7,7	7,7	165	109	1	10
81404410775	3221910746438	7,75	7,75	165	109	1	10
81404410780	3221910746445	7,8	7,8	165	109	1	10
81404410790	3221910746452	7,9	7,9	165	109	1	10
81404410800	3221910746469	8	8	165	109	1	10
81404410810	3221910746476	8,1	8,1	165	109	1	5
81404410820	3221910746483	8,2	8,2	165	109	1	5
81404410830	3221910746490	8,3	8,3	165	109	1	5
81404410840	3221910746506	8,4	8,4	165	109	1	5
81404410850	3221910746513	8,5	8,5	165	109	1	5
81404410860	3221910746520	8,6	8,6	175	115	1	5
81404410870	3221910746537	8,7	8,7	175	115	1	5
81404410880	3221910746544	8,8	8,8	175	115	1	5
81404410890	3221910746551	8,9	8,9	175	115	1	5
81404410900	3221910746568	9	9	175	115	1	5
81404410910	3221910746575	9,1	9,1	175	115	1	5
81404410920	3221910746582	9,2	9,2	175	115	1	5
81404410930	3221910878917	9,3	9,3	175	115	1	5
81404410940	3221910814519	9,4	9,4	175	115	1	5
81404410950	3221910746599	9,5	9,5	175	115	1	5
81404410960	3221910746605	9,6	9,6	184	121	1	5
81404410970	3221910746612	9,7	9,7	184	121	1	5
81404410980	3221910746629	9,8	9,8	184	121	1	5
81404410990	3221910746636	9,9	9,9	184	121	1	5
81404411000	3221910746643	10	10	184	121	1	5
81404411025	3221910746650	10,25	10,25	184	121	1	5
81404411050	3221910746667	10,5	10,5	184	121	1	5
81404411075	3221910746674	10,75	10,75	195	128	1	5
81404411080	3221910746681	10,8	10,8	195	128	1	5
81404411100	3221910746698	11	11	195	128	1	5
81404411120	3221910746704	11,2	11,2	195	128	1	1
81404411150	3221910746711	11,5	11,5	195	128	1	1
81404411180	3221910746728	11,8	11,8	195	128	1	1
81404411200	3221910746735	12	12	205	134	1	1

8140441	EAN	Ø	d2	L	l1	QTY	PCB
81404411220	3221910746742	12,2	12,2	205	134	1	1
81404411225	3221910746759	12,25	12,25	205	134	1	1
81404411250	3221910746766	12,5	12,5	205	134	1	1
81404411275	3221910746773	12,75	12,75	205	134	1	1
81404411280	3221910746780	12,8	12,8	205	134	1	1
81404411300	3221910746797	13	13	205	134	1	1

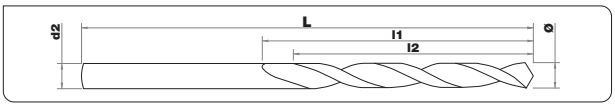
HSS-E8 [M42] FULLY GROUND LONG SERIES DRILL. SPLIT POINT.

BROCA HSS-E8 [M42] RECTIFICADA. SERIE LARGA. PUNTA EN CRUZ.

PUNTA HSS-E8 CILINDRICA LUNGA. TIPO N I AFFILATURA A CROCE.

HSS E8 | BRIGHT UNCOATED | DIN 340 | 7xd

4 | 130° | N TYPE | h8



For Special alloys Nickel/Cobalt and titanium. High Performance.

Para aleaciones especiales Níquel/Cobalto y titanio. Gran rendimiento.

Concepita per leghe nichel/cobalto e titanio. Alte prestazioni.

ARCo ARNi — Ni / Co based special alloys / Aleaciones refractarias Co / Ni / Leghe refrattarie Co / Ni

Ti — Titanium alloys / Aleaciones de titanio / Leghe di titanio

8140481	EAN	Ø	d2	L	l1	QTY	PCB
81404810200	3221910751425	2	2	85	56	1	10
81404810210	3221910751432	2,1	2,1	85	56	1	10
81404810220	3221910751449	2,2	2,2	90	59	1	10
81404810230	3221910751456	2,3	2,3	90	59	1	10
81404810240	3221910751463	2,4	2,4	95	62	1	10
81404810250	3221910751470	2,5	2,5	95	62	1	10
81404810260	3221910751487	2,6	2,6	95	62	1	10
81404810270	3221910751494	2,7	2,7	100	66	1	10
81404810280	3221910751500	2,8	2,8	100	66	1	10
81404810290	3221910751517	2,9	2,9	100	66	1	10
81404810300	3221910751524	3	3	100	66	1	10
81404810310	3221910751531	3,1	3,1	106	69	1	10
81404810320	3221910751548	3,2	3,2	106	69	1	10
81404810330	3221910751555	3,3	3,3	106	69	1	10
81404810340	3221910751562	3,4	3,4	112	73	1	10
81404810350	3221910751579	3,5	3,5	112	73	1	10
81404810370	3221910751586	3,7	3,7	112	73	1	10
81404810380	3221910751593	3,8	3,8	119	78	1	10
81404810390	3221910751609	3,9	3,9	119	78	1	10
81404810400	3221910751616	4	4	119	78	1	10
81404810410	3221910751623	4,1	4,1	119	78	1	10
81404810420	3221910751630	4,2	4,2	119	78	1	10
81404810450	3221910751647	4,5	4,5	126	82	1	10
81404810460	3221910751654	4,6	4,6	126	82	1	10
81404810470	3221910751661	4,7	4,7	126	82	1	10
81404810480	3221910751678	4,8	4,8	132	87	1	10
81404810490	3221910751685	4,9	4,9	132	87	1	10
81404810500	3221910751692	5	5	132	87	1	10
81404810510	3221910751708	5,1	5,1	132	87	1	10
81404810520	3221910751715	5,2	5,2	132	87	1	10
81404810530	3221910751722	5,3	5,3	132	87	1	10
81404810540	3221910751739	5,4	5,4	139	91	1	10
81404810550	3221910751746	5,5	5,5	139	91	1	10
81404810570	3221910751753	5,7	5,7	139	91	1	10
81404810580	3221910751760	5,8	5,8	139	91	1	10
81404810590	3221910751777	5,9	5,9	139	91	1	10
81404810600	3221910751784	6	6	139	91	1	10
81404810610	3221910751791	6,1	6,1	148	97	1	10
81404810620	3221910751807	6,2	6,2	148	97	1	10
81404810650	3221910751814	6,5	6,5	148	97	1	10
81404810660	3221910751821	6,6	6,6	148	97	1	10
81404810670	3221910751838	6,7	6,7	148	97	1	10
81404810680	3221910751845	6,8	6,8	156	102	1	10
81404810690	3221910751852	6,9	6,9	156	102	1	10
81404810700	3221910751869	7	7	156	102	1	10
81404810720	3221910751876	7,2	7,2	156	102	1	10
81404810740	3221910751883	7,4	7,4	156	102	1	10
81404810750	3221910751890	7,5	7,5	156	102	1	10

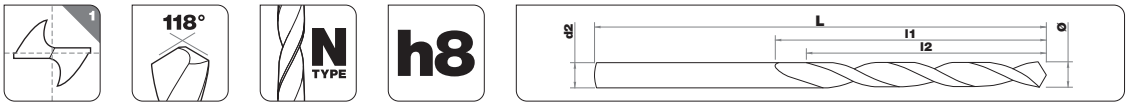
8140481	EAN	Ø	d2	L	l1	QTY	PCB
81404810780	3221910751906	7,8	7,8	165	109	1	10
81404810790	3221910751913	7,9	7,9	165	109	1	10
81404810800	3221910751920	8	8	165	109	1	10
81404810810	3221910751937	8,1	8,1	165	109	1	5
81404810820	3221910751944	8,2	8,2	165	109	1	5
81404810850	3221910751951	8,5	8,5	165	109	1	5
81404810870	3221910751975	8,7	8,7	175	115	1	5
81404810890	3221910751982	8,9	8,9	175	115	1	5
81404810900	3221910751999	9	9	175	115	1	5
81404810920	3221910752002	9,2	9,2	175	115	1	5
81404810930	3221910752019	9,3	9,3	175	115	1	5
81404810950	3221910752026	9,5	9,5	175	115	1	5
81404810970	3221910752033	9,7	9,7	184	121	1	5
81404810980	3221910752040	9,8	9,8	184	121	1	5
81404810990	3221910752057	9,9	9,9	184	121	1	5
81404811000	3221910752064	10	10	184	121	1	5
81404811020	3221910752071	10,2	10,2	184	121	1	5
81404811050	3221910752088	10,5	10,5	184	121	1	5
81404811100	3221910752095	11	11	195	128	1	5
81404811150	3221910752101	11,5	11,5	195	128	1	1
81404811180	3221910752118	11,8	11,8	195	128	1	1
81404811200	3221910752125	12	12	205	134	1	1
81404811250	3221910752149	12,5	12,5	205	134	1	1
81404811300	3221910752156	13	13	205	134	1	1

HSS FULLY GROUND EXTRA LONG SERIES DRILL.

BROCA HSS RECTIFICADA. SERIE EXTRALARGA.

PUNTA HSS CILINDRICA EXTRA-LUNGA.

HSS | STEAM TREATED | NFE 66075 | >10xd



For steels and cast irons. Robustness, accuracy.

Para Aceros y fundiciones. Robustez, precisión.

Foratura di acciai <950 N/mm² e ghise. Robustezza e precisione.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

H Austenitic stainless steels
Aceros inoxidables austeniticos
Acciai inossidabili austenitici

IJ Cast iron
Fundiciones
Ghisa

1142061	EAN	Ø	d2	L	l1	QTY	PCB
11420610300	3221910845001	3	3	160	120	1	1
11420610350	3221910845018	3,5	3,5	160	120	1	1
11420610400	3221910845025	4	4	160	120	1	1
11420610450	3221910845032	4,5	4,5	160	120	1	1
11420610500	3221910845049	5	5	160	120	1	1
11420610550	3221910845056	5,5	5,5	160	120	1	1
11420610600	3221910845063	6	6	160	120	1	1

1142071	EAN	Ø	d2	L	l1	QTY	PCB
11420710300	3221910845070	3	3	200	150	1	1
11420710350	3221910845087	3,5	3,5	200	150	1	1
11420710400	3221910845094	4	4	200	150	1	1
11420710450	3221910845100	4,5	4,5	200	150	1	1
11420710500	3221910845117	5	5	200	150	1	1
11420710550	3221910845124	5,5	5,5	200	150	1	1
11420710600	3221910845131	6	6	200	150	1	1
11420710650	3221910845148	6,5	6,5	200	150	1	1
11420710700	3221910845155	7	7	200	150	1	1
11420710750	3221910845162	7,5	7,5	200	150	1	1
11420710800	3221910845179	8	8	200	150	1	1
11420710850	3221910845186	8,5	8,5	200	150	1	1
11420710900	3221910845193	9	9	200	150	1	1
11420710950	3221910845209	9,5	9,5	200	150	1	1
11420711000	3221910845216	10	10	200	150	1	1

1142081	EAN	Ø	d2	L	l1	QTY	PCB
11420810350	3221910845223	3,5	3,5	250	187	1	1
11420810400	3221910845230	4	4	250	187	1	1
11420810450	3221910845247	4,5	4,5	250	187	1	1
11420810500	3221910845254	5	5	250	187	1	1
11420810550	3221910845261	5,5	5,5	250	187	1	1
11420810600	3221910845278	6	6	250	187	1	1
11420810650	3221910845285	6,5	6,5	250	187	1	1
11420810700	3221910845292	7	7	250	187	1	1
11420810750	3221910845308	7,5	7,5	250	187	1	1
11420810800	3221910845315	8	8	250	187	1	1
11420810850	3221910845322	8,5	8,5	250	187	1	1
11420810900	3221910845339	9	9	250	187	1	1
11420810950	3221910845346	9,5	9,5	250	187	1	1
11420811000	3221910845353	10	10	250	187	1	1
11420811050	3221910845360	10,5	10,5	250	187	1	1
11420811100	3221910845377	11	11	250	187	1	1
11420811150	3221910845384	11,5	11,5	250	187	1	1
11420811200	3221910845391	12	12	250	187	1	1
11420811250	3221910845407	12,5	12,5	250	187	1	1
11420811300	3221910845414	13	13	250	187	1	1

1142091	EAN	Ø	d2	L	l1	QTY	PCB
11420910400	3221910845421	4	4	315	235	1	1
11420910450	3221910845438	4,5	4,5	315	235	1	1
11420910500	3221910845445	5	5	315	235	1	1
11420910550	3221910845452	5,5	5,5	315	235	1	1
11420910600	3221910845469	6	6	315	235	1	1
11420910650	3221910845476	6,5	6,5	315	235	1	1
11420910700	3221910845483	7	7	315	235	1	1
11420910750	3221910845490	7,5	7,5	315	235	1	1
11420910800	3221910845506	8	8	315	235	1	1
11420910850	3221910845513	8,5	8,5	315	235	1	1
11420910900	3221910845520	9	9	315	235	1	1
11420910950	3221910845537	9,5	9,5	315	235	1	1
11420911000	3221910845544	10	10	315	235	1	1
11420911050	3221910845551	10,5	10,5	315	235	1	1
11420911100	3221910845568	11	11	315	235	1	1
11420911150	3221910845575	11,5	11,5	315	235	1	1
11420911200	3221910845582	12	12	315	235	1	1
11420911250	3221910845599	12,5	12,5	315	235	1	1
11420911300	3221910845605	13	13	315	235	1	1

1142101	EAN	Ø	d2	L	l1	QTY	PCB
11421010500	3221910845612	5	5	400	300	1	1
11421010550	3221910845629	5,5	5,5	400	300	1	1
11421010600	3221910845636	6	6	400	300	1	1
11421010650	3221910845643	6,5	6,5	400	300	1	1
11421010700	3221910845650	7	7	400	300	1	1
11421010750	3221910845667	7,5	7,5	400	300	1	1
11421010800	3221910845674	8	8	400	300	1	1
11421010850	3221910845681	8,5	8,5	400	300	1	1
11421010900	3221910845698	9	9	400	300	1	1
11421010950	3221910845704	9,5	9,5	400	300	1	1
11421011000	3221910845711	10	10	400	300	1	1
11421011050	3221910845728	10,5	10,5	400	300	1	1
11421011100	3221910845735	11	11	400	300	1	1
11421011150	3221910845742	11,5	11,5	400	300	1	1
11421011200	3221910845759	12	12	400	300	1	1
11421011250	3221910845766	12,5	12,5	400	300	1	1
11421011300	3221910845773	13	13	400	300	1	1

HSCOB FULLY GROUND EXTRA LONG SERIES DRILL. TYPE S | L 125

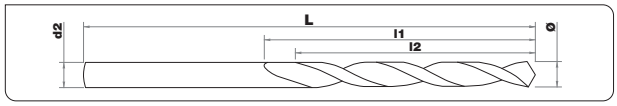
BROCA HSCOB RECTIFICADA. SERIE EXTRALARGA. TIPO S | L 125

PUNTA HSCOB CILINDRICA EXTRA-LUNGA. TIPO S | L 125

#01

HS COB | BRIGHT UNCOATED | NFE 66075 | >10xd

2 | 130° | S TYPE | h8



For deep holes. Universal application. High Performance.

Para orificios profundos. Uso universal. Gran rendimiento.

Concepita per forature polivalenti e fori profondi. Alte prestazioni.

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

FGH Stainless Steels
Aceros inoxidables
Acciai inossidabili

8140671	EAN	Ø	d2	L	l1	QTY	PCB
81406710200	3221910752965	2	2	125	93	1	1
81406710210	3221910752972	2,1	2,1	125	93	1	1
81406710220	3221910752989	2,2	2,2	125	93	1	1
81406710230	3221910752996	2,3	2,3	125	93	1	1
81406710240	3221910753009	2,4	2,4	125	93	1	1
81406710250	3221910753016	2,5	2,5	125	93	1	1
81406710260	3221910753023	2,6	2,6	125	93	1	1
81406710270	3221910753030	2,7	2,7	125	93	1	1
81406710280	3221910753047	2,8	2,8	125	93	1	1
81406710290	3221910753054	2,9	2,9	125	93	1	1
81406710300	3221910753061	3	3	125	93	1	1

8140681	EAN	Ø	d2	L	l1	QTY	PCB
81406810200	3221910753078	2	2	160	120	1	1
81406810210	3221910753085	2,1	2,1	160	120	1	1
81406810220	3221910753092	2,2	2,2	160	120	1	1
81406810230	3221910753108	2,3	2,3	160	120	1	1
81406810240	3221910753115	2,4	2,4	160	120	1	1
81406810250	3221910753122	2,5	2,5	160	120	1	1
81406810260	3221910753139	2,6	2,6	160	120	1	1
81406810270	3221910753146	2,7	2,7	160	120	1	1
81406810280	3221910753153	2,8	2,8	160	120	1	1
81406810290	3221910753160	2,9	2,9	160	120	1	1
81406810300	3221910753177	3	3	160	120	1	1
81406810310	3221910753184	3,1	3,1	160	120	1	1
81406810320	3221910753191	3,2	3,2	160	120	1	1
81406810330	3221910753207	3,3	3,3	160	120	1	1
81406810340	3221910753214	3,4	3,4	160	120	1	1
81406810350	3221910753221	3,5	3,5	160	120	1	1
81406810360	3221910753238	3,6	3,6	160	120	1	1
81406810370	3221910753245	3,7	3,7	160	120	1	1
81406810380	3221910753252	3,8	3,8	160	120	1	1
81406810390	3221910753269	3,9	3,9	160	120	1	1
81406810400	3221910753276	4	4	160	120	1	1
81406810410	3221910753283	4,1	4,1	160	120	1	1
81406810420	3221910753290	4,2	4,2	160	120	1	1
81406810430	3221910753306	4,3	4,3	160	120	1	1
81406810440	3221910753313	4,4	4,4	160	120	1	1
81406810450	3221910753320	4,5	4,5	160	120	1	1
81406810460	3221910753337	4,6	4,6	160	120	1	1
81406810470	3221910753344	4,7	4,7	160	120	1	1
81406810480	3221910753351	4,8	4,8	160	120	1	1
81406810490	3221910753368	4,9	4,9	160	120	1	1
81406810500	3221910753375	5	5	160	120	1	1
81406810510	3221910753382	5,1	5,1	160	120	1	1
81406810520	3221910753399	5,2	5,2	160	120	1	1
81406810530	3221910753405	5,3	5,3	160	120	1	1
81406810540	3221910753412	5,4	5,4	160	120	1	1
81406810550	3221910753429	5,5	5,5	160	120	1	1
81406810560	3221910753436	5,6	5,6	160	120	1	1
81406810570	3221910753443	5,7	5,7	160	120	1	1
81406810580	3221910753450	5,8	5,8	160	120	1	1
81406810590	3221910753467	5,9	5,9	160	120	1	1
81406810600	3221910753474	6	6	160	120	1	1

8140691	EAN	Ø	d2	L	l1	QTY	PCB
81406910300	3221910753481	3	3	200	150	1	1
81406910310	3221910753498	3,1	3,1	200	150	1	1
81406910320	3221910753504	3,2	3,2	200	150	1	1
81406910330	3221910753511	3,3	3,3	200	150	1	1
81406910340	3221910753528	3,4	3,4	200	150	1	1
81406910350	3221910753535	3,5	3,5	200	150	1	1
81406910360	3221910753542	3,6	3,6	200	150	1	1
81406910370	3221910753559	3,7	3,7	200	150	1	1
81406910380	3221910753566	3,8	3,8	200	150	1	1
81406910390	3221910753573	3,9	3,9	200	150	1	1
81406910400	3221910753580	4	4	200	150	1	1
81406910410	3221910753597	4,1	4,1	200	150	1	1
81406910420	3221910753603	4,2	4,2	200	150	1	1
81406910430	3221910753610	4,3	4,3	200	150	1	1
81406910440	3221910753627	4,4	4,4	200	150	1	1
81406910450	3221910753634	4,5	4,5	200	150	1	1
81406910460	3221910753641	4,6	4,6	200	150	1	1
81406910470	3221910753658	4,7	4,7	200	150	1	1
81406910480	3221910753665	4,8	4,8	200	150	1	1
81406910490	3221910753672	4,9	4,9	200	150	1	1
81406910500	3221910753689	5	5	200	150	1	1
81406910510	3221910753696	5,1	5,1	200	150	1	1
81406910520	3221910753702	5,2	5,2	200	150	1	1
81406910530	3221910753719	5,3	5,3	200	150	1	1
81406910540	3221910753726	5,4	5,4	200	150	1	1
81406910550	3221910753733	5,5	5,5	200	150	1	1
81406910560	3221910753740	5,6	5,6	200	150	1	1
81406910570	3221910753757	5,7	5,7	200	150	1	1
81406910580	3221910753764	5,8	5,8	200	150	1	1
81406910590	3221910753771	5,9	5,9	200	150	1	1
81406910600	3221910753788	6	6	200	150	1	1
81406910610	3221910753795	6,1	6,1	200	150	1	1
81406910620	3221910753801	6,2	6,2	200	150	1	1
81406910630	3221910753818	6,3	6,3	200	150	1	1
81406910640	3221910753825	6,4	6,4	200	150	1	1
81406910650	3221910753832	6,5	6,5	200	150	1	1
81406910660	3221910753849	6,6	6,6	200	150	1	1
81406910670	3221910753856	6,7	6,7	200	150	1	1
81406910680	3221910753863	6,8	6,8	200	150	1	1
81406910690	3221910753870	6,9	6,9	200	150	1	1
81406910700	3221910753887	7	7	200	150	1	1
81406910710	3221910753894	7,1	7,1	200	150	1	1
81406910720	3221910753900	7,2	7,2	200	150	1	1
81406910730	3221910753917	7,3	7,3	200	150	1	1
81406910740	3221910753924	7,4	7,4	200	150	1	1
81406910750	3221910753931	7,5	7,5	200	150	1	1
81406910800	3221910753948	8	8	200	150	1	1
81406910850	3221910753955	8,5	8,5	200	150	1	1
81406910900	3221910753962	9	9	200	150	1	1
81406910950	3221910753979	9,5	9,5	200	150	1	1
81406911000	3221910753986	10	10	200	150	1	1

8140701	EAN	Ø	d2	L	l1	QTY	PCB
81407010300	3221910754013	3	3	250	187	1	1
81407010310	3221910754020	3,1	3,1	250	187	1	1
81407010320	3221910754037	3,2	3,2	250	187	1	1
81407010330	3221910754044	3,3	3,3	250	187	1	1
81407010340	3221910754051	3,4	3,4	250	187	1	1
81407010350	3221910754068	3,5	3,5	250	187	1	1
81407010360	3221910754075	3,6	3,6	250	187	1	1
81407010370	3221910754082	3,7	3,7	250	187	1	1
81407010380	3221910754099	3,8	3,8	250	187	1	1
81407010390	3221910754105	3,9	3,9	250	187	1	1
81407010400	3221910754112	4	4	250	187	1	1
81407010410	3221910754129	4,1	4,1	250	187	1	1
81407010420	3221910754136	4,2	4,2	250	187	1	1
81407010430	3221910754143	4,3	4,3	250	187	1	1
81407010440	3221910754150	4,4	4,4	250	187	1	1
81407010450	3221910754167	4,5	4,5	250	187	1	1
81407010460	3221910754174	4,6	4,6	250	187	1	1
81407010470	3221910754181	4,7	4,7	250	187	1	1
81407010480	3221910754198	4,8	4,8	250	187	1	1
81407010490	3221910754204	4,9	4,9	250	187	1	1
81407010500	3221910754211	5	5	250	187	1	1
81407010510	3221910754228	5,1	5,1	250	187	1	1
81407010520	3221910754235	5,2	5,2	250	187	1	1
81407010530	3221910754242	5,3	5,3	250	187	1	1
81407010540	3221910754259	5,4	5,4	250	187	1	1
81407010550	3221910754266	5,5	5,5	250	187	1	1
81407010560	3221910754273	5,6	5,6	250	187	1	1
81407010570	3221910754280	5,7	5,7	250	187	1	1

#01

8140701	EAN	Ø	d2	L	l1	QTY	PCB
81407010580	3221910754297	5,8	5,8	250	187	1	1
81407010590	3221910754303	5,9	5,9	250	187	1	1
81407010600	3221910754310	6	6	250	187	1	1
81407010610	3221910754327	6,1	6,1	250	187	1	1
81407010620	3221910754334	6,2	6,2	250	187	1	1
81407010630	3221910754341	6,3	6,3	250	187	1	1
81407010640	3221910754358	6,4	6,4	250	187	1	1
81407010650	3221910754365	6,5	6,5	250	187	1	1
81407010660	3221910754372	6,6	6,6	250	187	1	1
81407010670	3221910754389	6,7	6,7	250	187	1	1
81407010680	3221910754396	6,8	6,8	250	187	1	1
81407010690	3221910754402	6,9	6,9	250	187	1	1
81407010700	3221910754419	7	7	250	187	1	1
81407010710	3221910754426	7,1	7,1	250	187	1	1
81407010720	3221910754433	7,2	7,2	250	187	1	1
81407010730	3221910754440	7,3	7,3	250	187	1	1
81407010740	3221910754457	7,4	7,4	250	187	1	1
81407010750	3221910754464	7,5	7,5	250	187	1	1
81407010800	3221910754471	8	8	250	187	1	1
81407010850	3221910754488	8,5	8,5	250	187	1	1
81407010900	3221910754495	9	9	250	187	1	1
81407010950	3221910754501	9,5	9,5	250	187	1	1
81407011000	3221910754518	10	10	250	187	1	1
81407011050	3221910754525	10,5	10,5	250	187	1	1
81407011100	3221910754532	11	11	250	187	1	1
81407011150	3221910754549	11,5	11,5	250	187	1	1
81407011200	3221910754556	12	12	250	187	1	1
81407011250	3221910754563	12,5	12,5	250	187	1	1
81407011300	3221910754570	13	13	250	187	1	1

8140711	EAN	Ø	d2	L	l1	QTY	PCB
81407110400	3221910754587	4	4	315	235	1	1
81407110410	3221910754594	4,1	4,1	315	235	1	1
81407110420	3221910754600	4,2	4,2	315	235	1	1
81407110430	3221910754617	4,3	4,3	315	235	1	1
81407110440	3221910754624	4,4	4,4	315	235	1	1
81407110450	3221910754631	4,5	4,5	315	235	1	1
81407110460	3221910754648	4,6	4,6	315	235	1	1
81407110470	3221910754655	4,7	4,7	315	235	1	1
81407110480	3221910754662	4,8	4,8	315	235	1	1
81407110490	3221910754679	4,9	4,9	315	235	1	1
81407110500	3221910754686	5	5	315	235	1	1
81407110510	3221910754693	5,1	5,1	315	235	1	1
81407110520	3221910754709	5,2	5,2	315	235	1	1
81407110530	3221910754716	5,3	5,3	315	235	1	1
81407110540	3221910754723	5,4	5,4	315	235	1	1
81407110550	3221910754730	5,5	5,5	315	235	1	1
81407110560	3221910754747	5,6	5,6	315	235	1	1
81407110570	3221910754754	5,7	5,7	315	235	1	1
81407110580	3221910754761	5,8	5,8	315	235	1	1
81407110590	3221910754778	5,9	5,9	315	235	1	1
81407110600	3221910754785	6	6	315	235	1	1
81407110610	3221910754792	6,1	6,1	315	235	1	1
81407110620	3221910754808	6,2	6,2	315	235	1	1
81407110630	3221910754815	6,3	6,3	315	235	1	1
81407110640	3221910754822	6,4	6,4	315	235	1	1
81407110650	3221910754839	6,5	6,5	315	235	1	1
81407110660	3221910754846	6,6	6,6	315	235	1	1
81407110670	3221910754853	6,7	6,7	315	235	1	1
81407110680	3221910754860	6,8	6,8	315	235	1	1
81407110690	3221910754877	6,9	6,9	315	235	1	1
81407110700	3221910754884	7	7	315	235	1	1
81407110710	3221910754891	7,1	7,1	315	235	1	1
81407110720	3221910754907	7,2	7,2	315	235	1	1
81407110730	3221910754914	7,3	7,3	315	235	1	1
81407110740	3221910754921	7,4	7,4	315	235	1	1
81407110750	3221910754938	7,5	7,5	315	235	1	1
81407110800	3221910754945	8	8	315	235	1	1
81407110850	3221910754952	8,5	8,5	315	235	1	1
81407110900	3221910754969	9	9	315	235	1	1
81407110950	3221910754976	9,5	9,5	315	235	1	1
81407111000	3221910754983	10	10	315	235	1	1
81407111050	3221910754990	10,5	10,5	315	235	1	1
81407111100	3221910755003	11	11	315	235	1	1
81407111150	3221910755010	11,5	11,5	315	235	1	1
81407111200	3221910755027	12	12	315	235	1	1
81407111250	3221910755034	12,5	12,5	315	235	1	1
81407111300	3221910755041	13	13	315	235	1	1

8140721	EAN	Ø	d2	L	l1	QTY	PCB
81407210500	3221910755058	5	5	400	300	1	1
81407210510	3221910755065	5,1	5,1	400	300	1	1
81407210520	3221910755072	5,2	5,2	400	300	1	1
81407210530	3221910755089	5,3	5,3	400	300	1	1
81407210540	3221910755096	5,4	5,4	400	300	1	1
81407210550	3221910755102	5,5	5,5	400	300	1	1
81407210560	3221910755119	5,6	5,6	400	300	1	1
81407210570	3221910755126	5,7	5,7	400	300	1	1
81407210580	3221910755133	5,8	5,8	400	300	1	1
81407210590	3221910755140	5,9	5,9	400	300	1	1
81407210600	3221910755157	6	6	400	300	1	1
81407210610	3221910755164	6,1	6,1	400	300	1	1
81407210620	3221910755171	6,2	6,2	400	300	1	1
81407210630	3221910755188	6,3	6,3	400	300	1	1
81407210640	3221910755195	6,4	6,4	400	300	1	1
81407210650	3221910755201	6,5	6,5	400	300	1	1
81407210660	3221910755218	6,6	6,6	400	300	1	1
81407210670	3221910755225	6,7	6,7	400	300	1	1
81407210680	3221910755232	6,8	6,8	400	300	1	1
81407210690	3221910755249	6,9	6,9	400	300	1	1
81407210700	3221910755256	7	7	400	300	1	1
81407210710	3221910755263	7,1	7,0	400	300	1	1
81407210720	3221910755270	7,2	7,2	400	300	1	1
81407210730	3221910755287	7,3	7,3	400	300	1	1
81407210740	3221910755294	7,4	7,4	400	300	1	1
81407210750	3221910755300	7,5	7,5	400	300	1	1
81407210800	3221910755317	8	8	400	300	1	1
81407210850	3221910755324	8,5	8,5	400	300	1	1
81407210900	3221910755331	9	9	400	300	1	1
81407210950	3221910755348	9,5	9,5	400	300	1	1
81407211000	3221910755355	10	10	400	300	1	1
81407211050	3221910755362	10,5	10,5	400	300	1	1
81407211100	3221910755379	11	11	400	300	1	1
81407211150	3221910755386	11,5	11,5	400	300	1	1
81407211200	3221910755393	12	12	400	300	1	1
81407211250	3221910755409	12,5	12,5	400	300	1	1
81407211300	3221910755416	13	13	400	300	1	1

8141821	EAN	Ø	d2	L	l1	QTY	PCB
81418210500	3221910763879	5	5	500	450	1	1
81418210600	3221910763886	6	6	500	450	1	1
81418210700	3221910763893	7	7	500	450	1	1
81418210800	3221910763909	8	8	500	450	1	1
81418210900	3221910763916	9	9	500	450	1	1
81418211000	3221910763923	10	10	500	450	1	1
81418211100	3221910763930	11	11	500	450	1	1
81418211200	3221910763947	12	12	500	450	1	1
81418211300	3221910763954	13	13	500	450	1	1

HSS FULLY GROUND EXTRA LONG SERIES DRILL. SPLIT POINT.

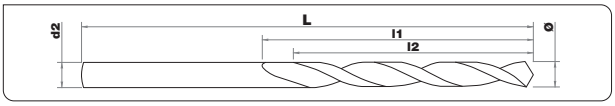
BROCA HSS RECTIFICADA. SERIE EXTRALARGA. PUNTA EN CRUZ.

PUNTA HSS CILINDRICA EXTRA-LUNGA. TIPO N | AFFILATURA A CROCE.

#01

HSS | STEAM TREATED | TIVOLY NORM | 3xd

4 | 118° | N TYPE | h8



For boarding. Comfort. Accuracy.

Para rehundido , Confort, precisión.

Foratura di pannelli. Comfort e precisione.

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

D Heat Treatable Steels <1200N/mm²
Aceros aleados y tratados < 1200N/mm²
Acciai per trattamento termico <1200N/mm²

E Heat Treatable Steels <1400N/mm²
Aceros aleados y tratados < 1400N/mm²
Acciai per trattamento termico <1400N/mm²

1140541	EAN	Ø	d2	L	l1	QTY	PCB
11405410400	3221910174392	4	4	150	35	1	10
11405410505	3221910174408	5,05	5,05	150	35	1	10
11405410565	3221910174439	5,65	5,65	150	35	1	10
11405410580	3221910174446	5,80	5,80	150	35	1	10
11405410595	3221910174453	5,95	5,95	150	35	1	10

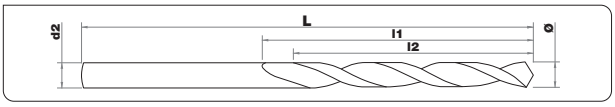
AIRCRAFT | HSS FULLY GROUND EXTRA LONG SERIES DRILL

AIRCRAFT | BROCA HSS RECTIFICADA. SERIE EXTRALARGA

AIRCRAFT | PUNTA HSS CILINDRICA EXTRA-LUNGA. TIPO N

HSS | BRIGHT UNCOATED | NAS 907 | 3xd

4 | 118° | N TYPE | h8



For hand drilling difficult to access structures.

Para el taladrado manual de estructuras de dificil acceso.

Concepita per la foratura manuale di strutture di difficile accesso.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

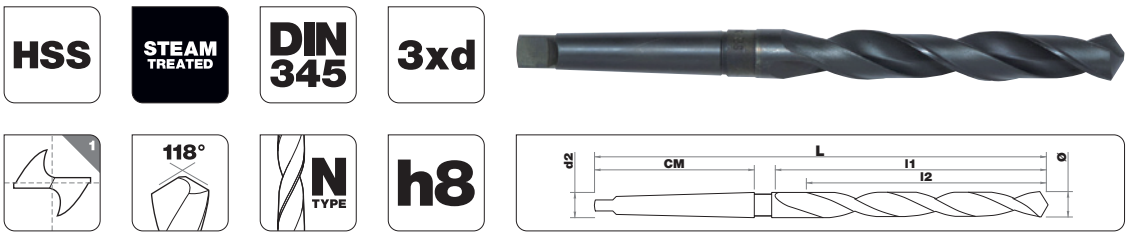
8143811	EAN	Ø	d2	L	l1	QTY	PCB
81438110200	3221910780289	2	2	306	29	1	10
81438110250	3221910780296	2,5	2,5	307	28	1	10
81438110300	3221910780302	3	3	307	43	1	10
81438110320	3221910780319	3,2	3,2	307	43	1	10
81438110326	3221910780326	3,26	3,26	307	43	1	10
81438110330	3221910780333	3,3	3,3	307	50	1	10
81438110350	3221910780340	3,5	3,5	307	56	1	10
81438110400	3221910780357	4	4	307	56	1	10
81438110410	3221910780371	4,1	4,1	307	56	1	10
81438110422	3221910780388	4,22	4,22	307	56	1	10
81438110450	3221910780395	4,5	4,5	307	60	1	10
81438110480	3221910780401	4,8	4,8	307	65	1	10
81438110500	3221910780418	5	5	308	65	1	10
81438110520	3221910780425	5,2	5,2	308	65	1	10
81438110550	3221910780432	5,5	5,5	308	70	1	10
81438110580	3221910780449	5,8	5,8	308	70	1	10
81438110600	3221910780456	6	6	308	70	1	10
81438110620	3221910780463	6,2	6,2	308	77	1	10
81438110650	3221910780470	6,5	6,5	308	77	1	10
81438110675	3221910780487	6,75	6,75	308	82	1	10

8143811	EAN	Ø	d2	L	l1	QTY	PCB
81438110780	3221910780494	7,8	7,8	308	82	1	10
81438110800	3221910780500	8	8	308	82	1	10

HSS ROLL FORGED JOBBER LENGTH DRILL MORSE TAPER SHANK.

BROCA HSS LAMINADA. SERIE CORTA. MANGO CÓNICO.

PUNTA HSS LAMINATA CONO MORSE.



For steels.

Para aceros en general.

Foratura acciaio comune.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

9020061	EAN	Ø	CM	L	l1	QTY	PCB
90200610500	3221910102784	5	CM1	133	52	1	1
90200610520	3221910102791	5,2	CM1	133	52	1	1
90200610550	3221910102814	5,5	CM1	138	57	1	1
90200610600	3221910102845	6	CM1	138	57	1	1
90200610650	3221910102876	6,5	CM1	144	63	1	1
90200610680	3221910102890	6,8	CM1	150	69	1	1
90200610700	3221910102906	7	CM1	150	69	1	1
90200610750	3221910102937	7,5	CM1	150	69	1	1
90200610800	3221910102968	8	CM1	156	75	1	1
90200610850	3221910102999	8,5	CM1	156	75	1	1
90200610900	3221910103026	9	CM1	162	81	1	1
90200610950	3221910103057	9,5	CM1	162	81	1	1
90200611000	3221910103088	10	CM1	168	87	1	1
90200611020	3221910103101	10,2	CM1	168	87	1	1
90200611025	3221910103118	10,25	CM1	168	87	1	1
90200611050	3221910103125	10,5	CM1	168	87	1	1
90200611100	3221910103156	11	CM1	175	94	1	1
90200611150	3221910103187	11,5	CM1	175	94	1	1
90200611200	3221910103217	12	CM1	181	101	1	1
90200611250	3221910103248	12,5	CM1	181	101	1	1
90200611300	3221910813987	13	CM1	181	101	1	1
90200611350	3221910813994	13,5	CM1	189	108	1	1
90200611375	3221910103316	13,75	CM1	189	108	1	1
90200611400	3221910814007	14	CM1	189	108	1	1
90200611425	3221910103354	14,25	CM2	214	114	1	1
90200611450	3221910103361	14,5	CM2	214	114	1	1
90200611500	3221910814014	15	CM2	214	114	1	1
90200611550	3221910814021	15,5	CM2	218	120	1	1
90200611600	3221910814038	16	CM2	218	120	1	1
90200611625	3221910103477	16,25	CM2	223	125	1	1
90200611650	3221910814045	16,5	CM2	223	125	1	1
90200611700	3221910814052	17	CM2	223	125	1	1
90200611750	3221910814069	17,5	CM2	228	130	1	1
90200611800	3221910814076	18	CM2	228	130	1	1
90200611825	3221910103552	18,25	CM2	233	135	1	1
90200611850	3221910814083	18,5	CM2	233	135	1	1
90200611900	3221910814090	19	CM2	233	135	1	1
90200611950	3221910814106	19,5	CM2	238	140	1	1
90200612000	3221910814113	20	CM2	238	140	1	1
90200612050	3221910103644	20,5	CM2	243	145	1	1
90200612100	3221910814120	21	CM2	243	145	1	1
90200612150	3221910103682	21,5	CM2	248	150	1	1
90200612200	3221910814137	22	CM2	248	150	1	1
90200612250	3221910103729	22,5	CM2	276	155	1	1
90200612300	3221910814144	23	CM2	276	155	1	1
90200612350	3221910103767	23,5	CM3	276	155	1	1
90200612400	3221910814151	24	CM3	281	160	1	1
90200612450	3221910103804	24,5	CM3	281	160	1	1
90200612500	3221910814168	25	CM3	281	160	1	1
90200612550	3221910103842	25,5	CM3	286	165	1	1
90200612600	3221910814175	26	CM3	286	165	1	1
90200612650	3221910103873	26,5	CM3	286	165	1	1

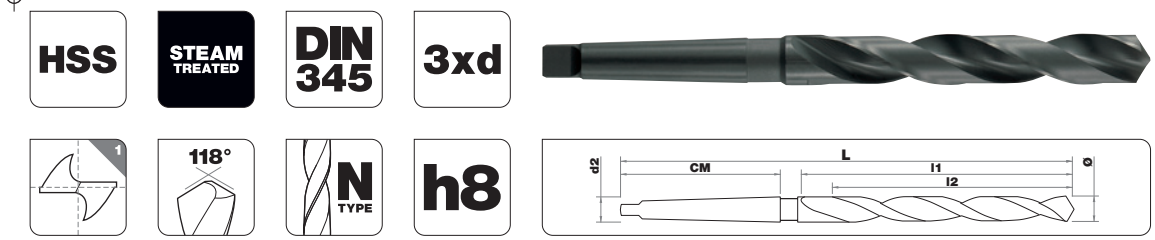
#01

9020061	EAN	Ø	CM	L	l1	QTY	PCB
90200612700	3221910814182	27	CM3	291	170	1	1
90200612750	3221910103897	27,5	CM3	291	170	1	1
90200612800	3221910814199	28	CM3	291	170	1	1
90200612850	3221910103910	28,5	CM3	296	175	1	1
90200612900	3221910814205	29	CM3	296	175	1	1
90200612950	3221910103934	29,5	CM3	296	175	1	1
90200613000	3221910814212	30	CM3	296	175	1	1
90200613050	3221910103958	30,5	CM3	301	180	1	1
90200613100	3221910814229	31	CM3	301	180	1	1
90200613150	3221910103972	31,5	CM3	301	180	1	1
90200613200	3221910814236	32	CM4	334	185	1	1
90200613250	3221910104009	32,5	CM4	334	185	1	1
90200613300	3221910104016	33	CM4	334	185	1	1
90200613350	3221910104023	33,5	CM4	334	185	1	1
90200613400	3221910104030	34	CM4	339	190	1	1
90200613450	3221910104047	34,5	CM4	339	190	1	1
90200613500	3221910104054	35	CM4	339	190	1	1
90200613550	3221910104061	35,5	CM4	339	190	1	1
90200613600	3221910104078	36	CM4	344	195	1	1
90200613650	3221910104085	36,5	CM4	344	195	1	1
90200613700	3221910104092	37	CM4	344	195	1	1
90200613800	3221910104115	38	CM4	349	200	1	1
90200613850	3221910104122	38,5	CM4	349	200	1	1
90200613900	3221910104139	39	CM4	349	200	1	1
90200614000	3221910104153	40	CM4	349	200	1	1
90200614050	3221910104160	40,5	CM4	354	205	1	1
90200614100	3221910104177	41	CM4	354	205	1	1
90200614200	3221910104191	42	CM4	354	205	1	1
90200614250	3221910104207	42,5	CM4	354	205	1	1
90200614300	3221910104214	43	CM4	359	210	1	1
90200614400	3221910104238	44	CM4	359	210	1	1
90200614450	3221910104245	44,5	CM4	359	210	1	1
90200614500	3221910104252	45	CM4	359	210	1	1
90200614550	3221910104269	45,5	CM4	364	215	1	1
90200614600	3221910104276	46	CM4	364	215	1	1
90200614800	3221910104313	48	CM4	369	220	1	1
90200614900	3221910104337	49	CM4	369	220	1	1
90200614950	3221910104344	49,5	CM4	369	220	1	1
90200615000	3221910104351	50	CM4	369	220	1	1
90200615200	3221910104382	52	CM5	412	225	1	1
90200615300	3221910104399	53	CM5	412	225	1	1
90200615500	3221910104412	55	CM5	417	230	1	1
90200615600	3221910104429	56	CM5	417	230	1	1
90200615700	3221910104436	57	CM5	422	235	1	1
90200616000	3221910104467	60	CM5	422	235	1	1
90200617000	3221910104559	70	CM5	412	225	1	1

HSS FULLY GROUND JOBBER LENGTH DRILL MORSE TAPER SHANK I T LINE

BROCA HSS RECTIFICADA. SERIE CORTA. MANGO CÓNICO I T LINE

PUNTA HSS ATTACCO CONO MORSE CORTO I T LINE



For steels and cast irons.

Para aceros y fundiciones.

Foratura di acciai <950 N/mm² e ghise.

A

Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

1143791	EAN	Ø	CM	L	l1	QTY	PCB
11437911000	3221910216894	10	CM1	168	87	1	1
11437911050	3221910216900	10,5	CM1	168	87	1	1
11437911100	3221910216917	11	CM1	175	94	1	1
11437911150	3221910216924	11,5	CM1	175	94	1	1
11437911200	3221910216931	12	CM1	182	101	1	1
11437911250	3221910216948	12,5	CM1	182	101	1	1
11437911300	3221910216955	13	CM1	182	101	1	1
11437911350	3221910216962	13,5	CM1	189	108	1	1

#01

1143791	EAN	Ø	CM	L	l1	QTY	PCB
11437911400	3221910216979	14	CM1	189	108	1	1
11437911450	3221910216986	14,5	CM2	212	114	1	1
11437911500	3221910216993	15	CM2	212	114	1	1
11437911550	3221910217006	15,5	CM2	218	120	1	1
11437911600	3221910217013	16	CM2	218	120	1	1
11437911650	3221910217020	16,5	CM2	223	125	1	1
11437911700	3221910217037	17	CM2	223	125	1	1
11437911750	3221910217044	17,5	CM2	228	130	1	1
11437911800	3221910217051	18	CM2	228	130	1	1
11437911850	3221910217068	18,5	CM2	233	135	1	1
11437911900	3221910217075	19	CM2	233	135	1	1
11437911950	3221910217082	19,5	CM2	238	140	1	1
11437912000	3221910217099	20	CM2	238	140	1	1
11437912050	3221910217105	20,5	CM2	243	145	1	1
11437912100	3221910217112	21	CM2	243	145	1	1
11437912150	3221910217129	21,5	CM2	248	150	1	1
11437912200	3221910217136	22	CM2	248	150	1	1
11437912250	3221910217143	22,5	CM2	253	155	1	1
11437912300	3221910217150	23	CM2	253	155	1	1
11437912350	3221910217167	23,5	CM3	276	155	1	1
11437912400	3221910217174	24	CM3	281	160	1	1
11437912450	3221910217181	24,5	CM3	281	160	1	1
11437912500	3221910217198	25	CM3	281	160	1	1
11437912550	3221910217204	25,5	CM3	286	165	1	1
11437912600	3221910217211	26	CM3	286	165	1	1
11437912650	3221910217228	26,5	CM3	286	165	1	1
11437912700	3221910217235	27	CM3	291	170	1	1
11437912750	3221910217242	27,5	CM3	291	170	1	1
11437912800	3221910217259	28	CM3	291	170	1	1
11437912850	3221910217266	28,5	CM3	296	175	1	1
11437912900	3221910217273	29	CM3	296	175	1	1
11437912950	3221910217280	29,5	CM3	296	175	1	1
11437913000	3221910217297	30	CM3	296	175	1	1
11437913050	3221910217303	30,5	CM3	301	180	1	1
11437913100	3221910217310	31	CM3	301	180	1	1
11437913150	3221910217327	31,5	CM3	301	180	1	1
11437913200	3221910217334	32	CM4	334	185	1	1
11437913300	3221910217341	33	CM4	334	185	1	1
11437913400	3221910217358	34	CM4	339	190	1	1
11437913500	3221910217365	35	CM4	344	195	1	1
11437913600	3221910217372	36	CM4	344	195	1	1
11437913700	3221910217389	37	CM4	344	195	1	1
11437913800	3221910217396	38	CM4	349	200	1	1
11437913900	3221910217402	39	CM4	349	200	1	1
11437914000	3221910217419	40	CM4	349	200	1	1

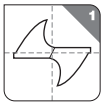
HSS FULLY GROUND | JOBBER LENGTH DRILL | MORSE TAPER SHANK.

BROCA HSS RECTIFICADA. SERIE CORTA. MANGO CÓNICO.

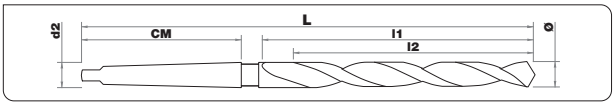
PUNTA HSS ATTACCO CONO MORSE CORTO.

#01

HSS | STEAM TREATED | DIN 345 | 3xd



N TYPE | h8



For steels and cast irons. Robustness, accuracy.

Para aceros y fundiciones. Robustez, precisión.

Foratura di acciai <950 N/mm² e ghise. Robustezza e precisione .

AB — Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

C — Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

H — Austenitic stainless steels
Aceros inoxidables austeniticos
Acciai inossidabili austenitici

IJ — Cast iron
Fundiciones
Ghisa

1140981	EAN	Ø	CM	L	l1	QTY	PCB
11409810300	3221910177751	3	CM1	114	33	1	1
11409810325	3221910177775	3,25	CM1	117	36	1	1
11409810350	3221910177799	3,5	CM1	120	39	1	1
11409810400	3221910177836	4	CM1	124	43	1	1
11409810420	3221910177850	4,2	CM1	124	43	1	1
11409810450	3221910177904	4,5	CM1	128	47	1	1
11409810500	3221910177973	5	CM1	133	52	1	1
11409810510	3221910177980	5,1	CM1	133	52	1	1
11409810520	3221910178000	5,2	CM1	133	52	1	1
11409810525	3221910178017	5,25	CM1	133	52	1	1
11409810530	3221910178024	5,3	CM1	133	52	1	1
11409810550	3221910178048	5,5	CM1	138	57	1	1
11409810575	3221910178086	5,75	CM1	138	57	1	1
11409810580	3221910178093	5,8	CM1	138	57	1	1
11409810600	3221910178123	6	CM1	138	57	1	1
11409810620	3221910178147	6,2	CM1	144	63	1	1
11409810625	3221910178154	6,25	CM1	144	63	1	1
11409810630	3221910178161	6,3	CM1	144	63	1	1
11409810650	3221910178192	6,5	CM1	144	63	1	1
11409810670	3221910178215	6,7	CM1	144	63	1	1
11409810675	3221910178222	6,75	CM1	150	69	1	1
11409810680	3221910178239	6,8	CM1	150	69	1	1
11409810700	3221910178253	7	CM1	150	69	1	1
11409810725	3221910178291	7,25	CM1	150	69	1	1
11409810750	3221910178321	7,5	CM1	150	69	1	1
11409810770	3221910178352	7,7	CM1	156	75	1	1
11409810775	3221910178369	7,75	CM1	156	75	1	1
11409810780	3221910178376	7,8	CM1	156	75	1	1
11409810790	3221910178383	7,9	CM1	156	75	1	1
11409810800	3221910178406	8	CM1	156	75	1	1
11409810820	3221910178420	8,2	CM1	156	75	1	1
11409810825	3221910178437	8,25	CM1	156	75	1	1
11409810850	3221910178475	8,5	CM1	156	75	1	1
11409810860	3221910178482	8,6	CM1	162	81	1	1
11409810870	3221910178499	8,7	CM1	162	81	1	1
11409810880	3221910178529	8,8	CM1	162	81	1	1
11409810900	3221910178543	9	CM1	162	81	1	1
11409810920	3221910178574	9,2	CM1	162	81	1	1
11409810925	3221910178581	9,25	CM1	162	81	1	1
11409810950	3221910178611	9,5	CM1	162	81	1	1
11409810960	3221910178635	9,6	CM1	168	87	1	1
11409810975	3221910178659	9,75	CM1	168	87	1	1
11409810980	3221910178666	9,8	CM1	168	87	1	1
11409811000	3221910178697	10	CM1	168	87	1	1
11409811010	3221910178710	10,1	CM1	168	87	1	1
11409811020	3221910178727	10,2	CM1	168	87	1	1
11409811025	3221910178734	10,25	CM1	168	87	1	1
11409811030	3221910178741	10,3	CM1	168	87	1	1
11409811040	3221910178765	10,4	CM1	168	87	1	1
11409811050	3221910178772	10,5	CM1	168	87	1	1
11409811060	3221910178789	10,6	CM1	168	87	1	1

#01

11140981	EAN	Ø	CM	L	l1	QTY	PCB
11409811070	3221910178796	10,7	CM1	175	94	1	1
11409811075	3221910178819	10,75	CM1	175	94	1	1
11409811080	3221910178826	10,8	CM1	175	94	1	1
11409811100	3221910178840	11	CM1	175	94	1	1
11409811120	3221910178871	11,2	CM1	175	94	1	1
11409811125	3221910178888	11,25	CM1	175	94	1	1
11409811140	3221910178901	11,4	CM1	175	94	1	1
11409811150	3221910178918	11,5	CM1	175	94	1	1
11409811170	3221910178949	11,7	CM1	175	94	1	1
11409811175	3221910178956	11,75	CM1	175	94	1	1
11409811180	3221910178963	11,8	CM1	175	94	1	1
11409811200	3221910178994	12	CM1	182	101	1	1
11409811210	3221910179007	12,1	CM1	182	101	1	1
11409811220	3221910179014	12,2	CM1	182	101	1	1
11409811225	3221910179021	12,25	CM1	182	101	1	1
11409811230	3221910179038	12,3	CM1	182	101	1	1
11409811240	3221910179045	12,4	CM1	182	101	1	1
11409811250	3221910179052	12,5	CM1	182	101	1	1
11409811260	3221910179069	12,6	CM1	182	101	1	1
11409811270	3221910179076	12,7	CM1	182	101	1	1
11409811275	3221910179083	12,75	CM1	182	101	1	1
11409811280	3221910179090	12,8	CM1	182	101	1	1
11409811300	3221910179113	13	CM1	182	101	1	1
11409811310	3221910179137	13,1	CM1	182	101	1	1
11409811320	3221910179144	13,2	CM1	182	101	1	1
11409811325	3221910179151	13,25	CM1	189	108	1	1
11409811340	3221910179175	13,4	CM1	189	108	1	1
11409811350	3221910179199	13,5	CM1	189	108	1	1
11409811360	3221910179205	13,6	CM1	189	108	1	1
11409811370	3221910179212	13,7	CM1	189	108	1	1
11409811375	3221910179229	13,75	CM1	189	108	1	1
11409811380	3221910179236	13,8	CM1	189	108	1	1
11409811390	3221910179250	13,9	CM1	189	108	1	1
11409811400	3221910179267	14	CM1	189	108	1	1
11409811410	3221910179274	14,1	CM2	212	114	1	1
11409811420	3221910179281	14,2	CM2	212	114	1	1
11409811425	3221910179298	14,25	CM2	212	114	1	1
11409811450	3221910179342	14,5	CM2	212	114	1	1
11409811475	3221910179380	14,75	CM2	212	114	1	1
11409811480	3221910179397	14,8	CM2	212	114	1	1
11409811500	3221910179410	15	CM2	212	114	1	1
11409811510	3221910179434	15,1	CM2	218	120	1	1
11409811520	3221910179441	15,2	CM2	218	120	1	1
11409811525	3221910179458	15,25	CM2	218	120	1	1
11409811530	3221910179465	15,3	CM2	218	120	1	1
11409811550	3221910179496	15,5	CM2	218	120	1	1
11409811560	3221910179502	15,6	CM2	218	120	1	1
11409811570	3221910179519	15,7	CM2	218	120	1	1
11409811575	3221910179526	15,75	CM2	218	120	1	1
11409811580	3221910179533	15,8	CM2	218	120	1	1
11409811590	3221910179557	15,9	CM2	218	120	1	1
11409811600	3221910179564	16	CM2	218	120	1	1
11409811610	3221910179571	16,1	CM2	223	125	1	1
11409811620	3221910179588	16,2	CM2	223	125	1	1
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11409811640	3221910179625	16,4	CM2	223	125	1	1
11409811650	3221910179632	16,5	CM2	223	125	1	1
11409811660	3221910179649	16,6	CM2	223	125	1	1
11409811670	3221910179663	16,7	CM2	223	125	1	1
11409811675	3221910179670	16,75	CM2	223	125	1	1
11409811680	3221910179687	16,8	CM2	223	125	1	1
11409811690	3221910179694	16,9	CM2	223	125	1	1
11409811700	3221910179700	17	CM2	223	125	1	1
11409811710	3221910179724	17,1	CM2	228	130	1	1
11409811720	3221910179731	17,2	CM2	228	130	1	1
11409811725	3221910179748	17,25	CM2	228	130	1	1
11409811730	3221910179755	17,3	CM2	228	130	1	1
11409811750	3221910179786	17,5	CM2	228	130	1	1
11409811760	3221910179793	17,6	CM2	228	130	1	1
11409811770	3221910179809	17,7	CM2	228	130	1	1
11409811775	3221910179816	17,75	CM2	228	130	1	1
11409811780	3221910179823	17,8	CM2	228	130	1	1
11409811790	3221910179847	17,9	CM2	228	130	1	1
11409811800	3221910179854	18	CM2	228	130	1	1
11409811810	3221910179861	18,1	CM2	233	135	1	1
11409811820	3221910179878	18,2	CM2	233	135	1	1
11409811825	3221910179885	18,25	CM2	233	135	1	1
11409811830	3221910179908	18,3	CM2	233	135	1	1
11409811850	3221910179922	18,5	CM2	233	135	1	1
11409811875	3221910179960	18,75	CM2	233	135	1	1
11409811880	3221910179977	18,8	CM2	233	135	1	1

#01

1140981	EAN	Ø	CM	L	l1	QTY	PCB
11409811890	3221910179984	18,9	CM2	233	135	1	1
11409811900	3221910179991	19	CM2	233	135	1	1
11409811910	3221910180010	19,1	CM2	238	140	1	1
11409811920	3221910180027	19,2	CM2	238	140	1	1
11409811925	3221910180034	19,25	CM2	238	140	1	1
11409811930	3221910180041	19,3	CM2	238	140	1	1
11409811940	3221910180058	19,4	CM2	238	140	1	1
11409811950	3221910180072	19,5	CM2	238	140	1	1
11409811960	3221910180089	19,6	CM2	238	140	1	1
11409811970	3221910180096	19,7	CM2	238	140	1	1
11409811975	3221910180102	19,75	CM2	238	140	1	1
11409811980	3221910180119	19,8	CM2	238	140	1	1
11409811990	3221910180133	19,9	CM2	238	140	1	1
11409812000	3221910180140	20	CM2	238	140	1	1
11409812010	3221910180157	20,1	CM2	243	145	1	1
11409812020	3221910180164	20,2	CM2	243	145	1	1
11409812025	3221910180188	20,25	CM2	243	145	1	1
11409812030	3221910180195	20,3	CM2	243	145	1	1
11409812040	3221910180201	20,4	CM2	243	145	1	1
11409812050	3221910180218	20,5	CM2	243	145	1	1
11409812060	3221910180225	20,6	CM2	243	145	1	1
11409812070	3221910180249	20,7	CM2	243	145	1	1
11409812075	3221910180256	20,75	CM2	243	145	1	1
11409812080	3221910180263	20,8	CM2	243	145	1	1
11409812090	3221910180270	20,9	CM2	243	145	1	1
11409812100	3221910180287	21	CM2	243	145	1	1
11409812125	3221910180324	21,25	CM2	248	150	1	1
11409812150	3221910180362	21,5	CM2	248	150	1	1
11409812175	3221910180393	21,75	CM2	248	150	1	1
11409812200	3221910180430	22	CM2	248	150	1	1
11409812225	3221910180485	22,25	CM2	248	150	1	1
11409812250	3221910180515	22,5	CM2	253	155	1	1
11409812275	3221910180553	22,75	CM2	253	155	1	1
11409812300	3221910180584	23	CM2	253	155	1	1
11409812325	3221910180607	23,25	CM3	276	155	1	1
11409812350	3221910180621	23,5	CM3	276	155	1	1
11409812375	3221910180638	23,75	CM3	281	160	1	1
11409812400	3221910180652	24	CM3	281	160	1	1
11409812425	3221910180683	24,25	CM3	281	160	1	1
11409812450	3221910180690	24,5	CM3	281	160	1	1
11409812475	3221910180713	24,75	CM3	281	160	1	1
11409812500	3221910180720	25	CM3	281	160	1	1
11409812525	3221910180744	25,25	CM3	286	165	1	1
11409812550	3221910180768	25,5	CM3	286	165	1	1
11409812575	3221910180775	25,75	CM3	286	165	1	1
11409812600	3221910180782	26	CM3	286	165	1	1
11409812625	3221910180799	26,25	CM3	286	165	1	1
11409812650	3221910180805	26,5	CM3	286	165	1	1
11409812675	3221910180812	26,75	CM3	291	170	1	1
11409812700	3221910180836	27	CM3	291	170	1	1
11409812725	3221910180843	27,25	CM3	291	170	1	1
11409812750	3221910180850	27,5	CM3	291	170	1	1
11409812775	3221910180867	27,75	CM3	291	170	1	1
11409812800	3221910180881	28	CM3	291	170	1	1
11409812825	3221910180898	28,25	CM3	296	175	1	1
11409812850	3221910180904	28,5	CM3	296	175	1	1
11409812875	3221910180928	28,75	CM3	296	175	1	1
11409812900	3221910180935	29	CM3	296	175	1	1
11409812925	3221910180942	29,25	CM3	296	175	1	1
11409812950	3221910180959	29,5	CM3	296	175	1	1
11409812975	3221910180966	29,75	CM3	296	175	1	1
11409813000	3221910180980	30	CM3	296	175	1	1
11409813025	3221910181017	30,25	CM3	301	180	1	1
11409813050	3221910181024	30,5	CM3	301	180	1	1
11409813075	3221910181031	30,75	CM3	301	180	1	1
11409813100	3221910181048	31	CM3	301	180	1	1
11409813125	3221910181055	31,25	CM3	301	180	1	1
11409813150	3221910181062	31,5	CM3	301	180	1	1
11409813175	3221910181079	31,75	CM3	306	185	1	1
11409813200	3221910181086	32	CM4	334	185	1	1
11409813250	3221910181093	32,5	CM4	334	185	1	1
11409813300	3221910181116	33	CM4	334	185	1	1
11409813350	3221910181130	33,5	CM4	334	185	1	1
11409813400	3221910181147	34	CM4	339	190	1	1
11409813450	3221910181154	34,5	CM4	339	190	1	1
11409813500	3221910181185	35	CM4	339	190	1	1
11409813550	3221910181192	35,5	CM4	339	190	1	1
11409813600	3221910181215	36	CM4	344	195	1	1
11409813650	3221910181239	36,5	CM4	344	195	1	1
11409813700	3221910181253	37	CM4	344	195	1	1
11409813750	3221910181277	37,5	CM4	344	195	1	1

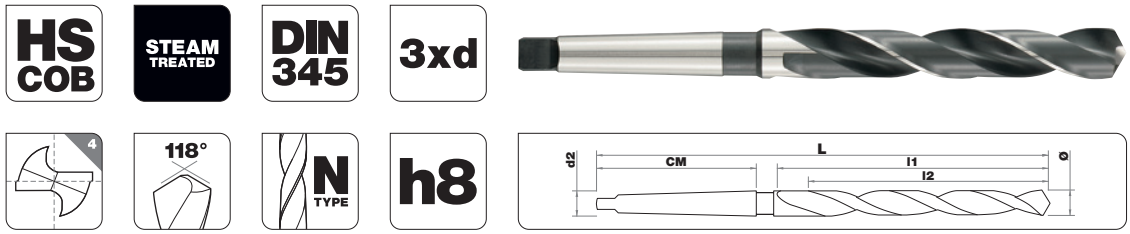
#01

1140981	EAN	Ø	CM	L	l1	QTY	PCB
11409813800	3221910181284	38	CM4	349	200	1	1
11409813850	3221910181307	38,5	CM4	349	200	1	1
11409813900	3221910181321	39	CM4	349	200	1	1
11409813950	3221910181338	39,5	CM4	349	200	1	1
11409814000	3221910181369	40	CM4	349	200	1	1
11409814050	3221910181383	40,5	CM4	354	205	1	1
11409814100	3221910181390	41	CM4	354	205	1	1
11409814150	3221910181413	41,5	CM4	354	205	1	1
11409814200	3221910181437	42	CM4	354	205	1	1
11409814250	3221910181444	42,5	CM4	354	205	1	1
11409814300	3221910181451	43	CM4	359	210	1	1
11409814350	3221910181468	43,5	CM4	359	210	1	1
11409814400	3221910181475	44	CM4	359	210	1	1
11409814450	3221910181499	44,5	CM4	359	210	1	1
11409814500	3221910181512	45	CM4	359	210	1	1
11409814550	3221910181529	45,5	CM4	364	215	1	1
11409814600	3221910181536	46	CM4	364	215	1	1
11409814650	3221910181543	46,5	CM4	364	215	1	1
11409814700	3221910181550	47	CM4	364	215	1	1
11409814750	3221910181567	47,5	CM4	364	215	1	1
11409814800	3221910181581	48	CM4	369	220	1	1
11409814850	3221910181598	48,5	CM4	369	220	1	1
11409814900	3221910181604	49	CM4	369	220	1	1
11409814950	3221910181611	49,5	CM4	369	220	1	1
11409815000	3221910181628	50	CM4	369	220	1	1
11409815050	3221910181635	50,5	CM4	374	225	1	1
11409815100	3221910181659	51	CM5	412	225	1	1
11409815150	3221910181666	51,5	CM5	412	225	1	1
11409815200	3221910181673	52	CM5	412	225	1	1
11409815300	3221910181697	53	CM5	412	225	1	1
11409815400	3221910181710	54	CM5	417	230	1	1
11409815500	3221910181734	55	CM5	417	230	1	1
11409815600	3221910181758	56	CM5	417	230	1	1
11409815700	3221910181772	57	CM5	422	235	1	1
11409815800	3221910181796	58	CM5	422	235	1	1
11409815900	3221910181819	59	CM5	422	235	1	1
11409816000	3221910181833	60	CM5	422	235	1	1
11409816100	3221910181857	61	CM5	427	240	1	1
11409816200	3221910181871	62	CM5	427	240	1	1
11409816300	3221910181888	63	CM5	427	240	1	1
11409816400	3221910181895	64	CM5	432	245	1	1
11409816500	3221910181901	65	CM5	432	245	1	1
11409816600	3221910181918	66	CM5	432	245	1	1
11409817000	3221910181956	70	CM5	437	250	1	1
11409817500	3221910182021	75	CM5	442	255	1	1

HSCOB FULLY GROUND | JOBBER LENGTH DRILL | MORSE TAPER SHANK.

BROCA HSCOB RECTIFICADA. SERIE CORTA. MANGO CÓNICO.

PUNTA HSCOB ATTACCO CONO MORSE CORTO.



For stainless steels. High performance.

Para aceros inoxidables. Gran rendimiento.

Foratura acciai inossidabili .

F Ferritic stainless steels
Aceros inoxidables ferríticos
acciai inossidabili ferritici

G Martensitic stainless steels
Aceros inoxidables martensíticos
acciai inossidabili martensitici

H Austenitic stainless steels
Aceros inoxidables austeníticos
Acciai inossidabili austenitici

1141051	EAN	Ø	CM	L	l1	QTY	PCB
11410511000	3221910184902	10	CM1	168	87	1	1
11410511050	3221910184919	10,5	CM1	168	87	1	1
11410511100	3221910184926	11	CM1	175	94	1	1
11410511150	3221910184933	11,5	CM1	175	94	1	1
11410511200	3221910184957	12	CM1	182	101	1	1
11410511250	3221910184964	12,5	CM1	182	101	1	1
11410511300	3221910184971	13	CM1	182	101	1	1
11410511350	3221910184988	13,5	CM1	189	108	1	1
11410511400	3221910184995	14	CM1	189	108	1	1

#01

1141051	EAN	Ø	CM	L	l1	QTY	PCB
11410511450	3221910185008	14,5	CM2	212	114	1	1
11410511500	3221910185015	15	CM2	212	114	1	1
11410511550	3221910185022	15,5	CM2	218	120	1	1
11410511600	3221910185039	16	CM2	218	120	1	1
11410511650	3221910185053	16,5	CM2	223	125	1	1
11410511700	3221910185060	17	CM2	223	125	1	1
11410511750	3221910185077	17,5	CM2	228	130	1	1
11410511800	3221910185084	18	CM2	228	130	1	1
11410511850	3221910185091	18,5	CM2	233	135	1	1
11410511900	3221910185107	19	CM2	233	135	1	1
11410511950	3221910185114	19,5	CM2	238	140	1	1
11410512000	3221910185121	20	CM2	238	140	1	1
11410512050	3221910185138	20,5	CM2	243	145	1	1
11410512100	3221910185145	21	CM2	243	145	1	1
11410512150	3221910185152	21,5	CM2	248	150	1	1
11410512200	3221910185169	22	CM2	248	150	1	1
11410512250	3221910185176	22,5	CM2	253	155	1	1
11410512300	3221910185183	23	CM2	253	155	1	1
11410512350	3221910185190	23,5	CM3	276	155	1	1
11410512400	3221910185206	24	CM3	281	160	1	1
11410512450	3221910185213	24,5	CM3	281	160	1	1
11410512500	3221910185220	25	CM3	281	160	1	1
11410512550	3221910185237	25,5	CM3	286	165	1	1
11410512600	3221910185244	26	CM3	286	165	1	1
11410512650	3221910185251	26,5	CM3	286	165	1	1
11410512700	3221910185268	27	CM3	291	170	1	1
11410512750	3221910185275	27,5	CM3	291	170	1	1
11410512800	3221910185282	28	CM3	291	170	1	1
11410512850	3221910185299	28,5	CM3	296	175	1	1
11410512900	3221910185305	29	CM3	296	175	1	1
11410512950	3221910185312	29,5	CM3	296	175	1	1
11410513000	3221910185329	30	CM3	296	175	1	1
11410513050	3221910185336	30,5	CM3	296	175	1	1
11410513100	3221910185343	31	CM3	301	180	1	1
11410513200	3221910185350	32	CM4	334	185	1	1
11410513400	3221910185381	34	CM4	339	190	1	1
11410513500	3221910185398	35	CM4	339	190	1	1
11410513600	3221910759964	36	CM4	344	195	1	1
11410513700	3221910185411	37	CM4	344	195	1	1
11410513800	3221910759971	38	CM4	349	200	1	1
11410513900	3221910185435	39	CM4	349	200	1	1
11410514000	3221910185442	40	CM4	349	200	1	1

HSS FULLY GROUND | LONG SERIES | DRILL MORSE TAPER SHANK.

BROCA HSCOB RECTIFICADA. SERIE LARGA. MANGO CÓNICO.

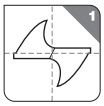
PUNTA HSS ATTACCO CONO MORSE LUNGO.

HSS

STEAM TREATED

DIN 341

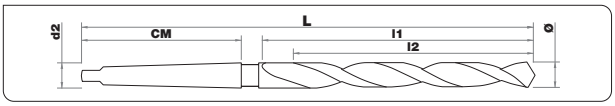
7xd



118°

N TYPE

h8



For steels and cast irons. Robustness, accuracy.

Para aceros y fundiciones.Robustez, precisión.

Foratura di acciai <950 N/mm² e ghise. Robustezza e precisione.

AB

Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

C

Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

H

Austenitic stainless steels
Aceros inoxidables austeníticos
Acciai inossidabili austenitici

IJ

Cast iron
Fundiciones
Ghisa

1141101	EAN	Ø	CM	L	l1	QTY	PCB
11411010700	3221910187132	7	CM1	174	93	1	1
11411010750	3221910187149	7,5	CM1	174	93	1	1
11411010800	3221910187156	8	CM1	181	100	1	1
11411010850	3221910187187	8,5	CM1	181	100	1	1
11411010900	3221910187217	9	CM1	188	107	1	1
11411010950	3221910187248	9,5	CM1	188	107	1	1
11411010975	3221910187255	9,75	CM1	197	116	1	1

#01

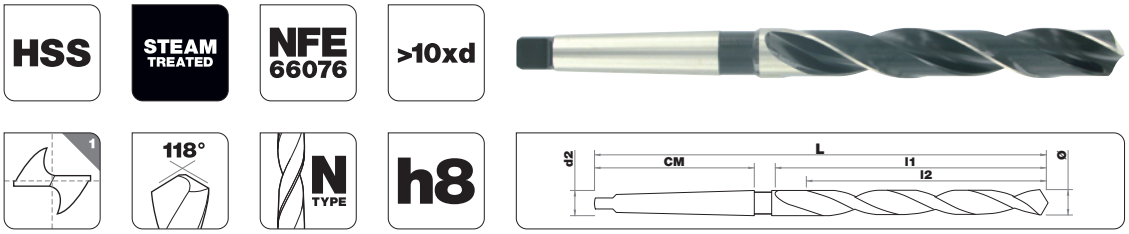
1141101	EAN	Ø	CM	L	l1	QTY	PCB
11411011000	3221910187279	10	CM1	197	116	1	1
11411011020	3221910187293	10,2	CM1	197	116	1	1
11411011025	3221910187309	10,25	CM1	197	116	1	1
11411011050	3221910187316	10,5	CM1	197	116	1	1
11411011075	3221910187323	10,75	CM1	206	125	1	1
11411011100	3221910187347	11	CM1	206	125	1	1
11411011125	3221910187361	11,25	CM1	206	125	1	1
11411011150	3221910187378	11,5	CM1	206	125	1	1
11411011175	3221910187385	11,75	CM1	206	125	1	1
11411011180	3221910187392	11,8	CM1	206	125	1	1
11411011200	3221910187408	12	CM1	215	134	1	1
11411011225	3221910187439	12,25	CM1	215	134	1	1
11411011250	3221910187446	12,5	CM1	215	134	1	1
11411011275	3221910187460	12,75	CM1	215	134	1	1
11411011300	3221910187484	13	CM1	215	134	1	1
11411011325	3221910187507	13,25	CM1	223	142	1	1
11411011350	3221910187514	13,5	CM1	223	142	1	1
11411011375	3221910187521	13,75	CM1	223	142	1	1
11411011380	3221910187538	13,8	CM1	223	142	1	1
11411011400	3221910187545	14	CM1	223	142	1	1
11411011425	3221910187552	14,25	CM2	245	147	1	1
11411011450	3221910187569	14,5	CM2	245	147	1	1
11411011475	3221910187576	14,75	CM2	245	147	1	1
11411011500	3221910187583	15	CM2	245	147	1	1
11411011525	3221910187613	15,25	CM2	251	153	1	1
11411011550	3221910187620	15,5	CM2	251	153	1	1
11411011575	3221910187637	15,75	CM2	251	153	1	1
11411011600	3221910187644	16	CM2	251	153	1	1
11411011625	3221910187651	16,25	CM2	257	159	1	1
11411011650	3221910187668	16,5	CM2	257	159	1	1
11411011675	3221910187675	16,75	CM2	257	159	1	1
11411011700	3221910187682	17	CM2	257	159	1	1
11411011725	3221910187699	17,25	CM2	263	165	1	1
11411011750	3221910187705	17,5	CM2	263	165	1	1
11411011775	3221910187712	17,75	CM2	263	165	1	1
11411011800	3221910187729	18	CM2	263	165	1	1
11411011825	3221910187736	18,25	CM2	269	171	1	1
11411011850	3221910187743	18,5	CM2	269	171	1	1
11411011875	3221910187750	18,75	CM2	269	171	1	1
11411011900	3221910187767	19	CM2	269	171	1	1
11411011925	3221910187781	19,25	CM2	275	177	1	1
11411011950	3221910187798	19,5	CM2	275	177	1	1
11411011975	3221910187804	19,75	CM2	275	177	1	1
11411012000	3221910187811	20	CM2	275	177	1	1
11411012025	3221910187828	20,25	CM2	282	184	1	1
11411012050	3221910187835	20,5	CM2	282	184	1	1
11411012100	3221910187859	21	CM2	282	184	1	1
11411012150	3221910187873	21,5	CM2	289	191	1	1
11411012200	3221910187897	22	CM2	289	191	1	1
11411012250	3221910187910	22,5	CM2	296	198	1	1
11411012300	3221910187934	23	CM2	296	198	1	1
11411012350	3221910187941	23,5	CM3	319	198	1	1
11411012400	3221910187958	24	CM3	327	206	1	1
11411012450	3221910187965	24,5	CM3	327	206	1	1
11411012500	3221910187972	25	CM3	327	206	1	1
11411012550	3221910187989	25,5	CM3	335	214	1	1
11411012600	3221910187996	26	CM3	335	214	1	1
11411012650	3221910188009	26,5	CM3	335	214	1	1
11411012700	3221910188016	27	CM3	343	222	1	1
11411012750	3221910188023	27,5	CM3	343	222	1	1
11411012800	3221910188030	28	CM3	343	222	1	1
11411012850	3221910188047	28,5	CM3	351	230	1	1
11411012900	3221910188054	29	CM3	351	230	1	1
11411012950	3221910188061	29,5	CM3	351	230	1	1
11411013000	3221910188078	30	CM3	351	230	1	1
11411013050	3221910188085	30,5	CM3	360	239	1	1
11411013100	3221910188092	31	CM3	360	239	1	1
11411013150	3221910188108	31,5	CM3	360	239	1	1
11411013200	3221910188115	32	CM4	397	248	1	1
11411013250	3221910188122	32,5	CM4	397	248	1	1
11411013300	3221910188139	33	CM4	397	248	1	1
11411013350	3221910188146	33,5	CM4	397	248	1	1
11411013400	3221910188153	34	CM4	406	257	1	1
11411013450	3221910188160	34,5	CM4	406	257	1	1
11411013500	3221910188177	35	CM4	406	257	1	1
11411013550	3221910188184	35,5	CM4	406	257	1	1
11411013600	3221910188191	36	CM4	416	267	1	1
11411013650	3221910188207	36,5	CM4	416	267	1	1
11411013700	3221910188214	37	CM4	416	267	1	1
11411013750	3221910188221	37,5	CM4	416	267	1	1
11411013800	3221910188238	38	CM4	426	277	1	1

1141101	EAN	Ø	CM	L	l1	QTY	PCB
11411013850	3221910188245	38,5	CM4	426	277	1	1
11411013900	3221910188252	39	CM4	426	277	1	1
11411013950	3221910188269	39,5	CM4	426	277	1	1
11411014000	3221910188276	40	CM4	426	277	1	1

HSS FULLY GROUND EXTRA LONG SERIES DRILL MORSE TAPER SHANK | L 315 & 400

BROCA HSS RECTIFICADA. SERIE EXTRALARGA. MANGO CÓNICO | L 315 & 400

PUNTA HSS ATTACCO CONO MORSE EXTRA-LUNGA | L 315 & 400



For steels and cast irons. Robustness, accuracy.

Para aceros y fundiciones.Robustez, precisión.

Foratura di acciai <950 N/mm² e ghise. Robustezza e precisione.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

H Austenitic stainless steels
Aceros inoxidables austeniticos
Acciai inossidabili austenitici

IJ Cast iron
Fundiciones
Ghisa

1142041	EAN	Ø	CM	L	l1	QTY	PCB
11420410600	3221910190897	6	CM1	315	235	1	1
11420410650	3221910190903	6,5	CM1	315	235	1	1
11420410700	3221910190910	7	CM1	315	235	1	1
11420410750	3221910190927	7,5	CM1	315	235	1	1
11420410800	3221910190934	8	CM1	315	235	1	1
11420410850	3221910190941	8,5	CM1	315	235	1	1
11420410900	3221910190958	9	CM1	315	235	1	1
11420410950	3221910190965	9,5	CM1	315	235	1	1
11420411000	3221910190972	10	CM1	315	235	1	1
11420411050	3221910190989	10,5	CM1	315	235	1	1
11420411100	3221910190996	11	CM1	315	235	1	1
11420411150	3221910191009	11,5	CM1	315	235	1	1
11420411200	3221910191016	12	CM2	315	215	1	1
11420411250	3221910191023	12,5	CM2	315	215	1	1
11420411300	3221910191030	13	CM2	315	215	1	1
11420411350	3221910191047	13,5	CM2	315	215	1	1
11420411400	3221910191054	14	CM2	315	215	1	1
11420411450	3221910191061	14,5	CM2	315	215	1	1
11420411500	3221910191078	15	CM2	315	215	1	1
11420411550	3221910191092	15,5	CM2	315	215	1	1
11420411600	3221910191108	16	CM2	315	215	1	1
11420411650	3221910191115	16,5	CM2	315	215	1	1
11420411700	3221910191122	17	CM2	315	215	1	1
11420411750	3221910191139	17,5	CM2	315	215	1	1
11420411800	3221910191146	18	CM2	315	215	1	1
11420411850	3221910191153	18,5	CM2	315	215	1	1
11420411900	3221910191160	19	CM2	315	215	1	1
11420411950	3221910191177	19,5	CM2	315	215	1	1
11420412000	3221910191184	20	CM2	315	215	1	1
11420412050	3221910191191	20,5	CM2	315	215	1	1
11420412100	3221910191207	21	CM2	315	215	1	1
11420412150	3221910191214	21,5	CM2	315	215	1	1
11420412200	3221910191221	22	CM2	315	215	1	1
11420412250	3221910191238	22,5	CM2	315	215	1	1
11420412300	3221910191245	23	CM2	315	215	1	1

1142051	EAN	Ø	CM	L	l1	QTY	PCB
11420511000	3221910191252	10	CM1	400	300	1	1
11420511050	3221910191269	10,5	CM1	400	300	1	1
11420511100	3221910191276	11	CM1	400	300	1	1
11420511150	3221910191283	11,5	CM1	400	300	1	1
11420511200	3221910191290	12	CM2	400	300	1	1
11420511250	3221910191306	12,5	CM2	400	300	1	1
11420511300	3221910191313	13	CM2	400	300	1	1
11420511350	3221910191320	13,5	CM2	400	300	1	1

1142051	EAN	Ø	CM	L	l1	QTY	PCB
11420511400	3221910191337	14	CM2	400	300	1	1
11420511450	3221910191344	14,5	CM2	400	300	1	1
11420511500	3221910191351	15	CM2	400	300	1	1
11420511550	3221910191368	15,5	CM2	400	300	1	1
11420511600	3221910191375	16	CM2	400	300	1	1
11420511650	3221910191382	16,5	CM2	400	300	1	1
11420511700	3221910191399	17	CM2	400	300	1	1
11420511750	3221910191405	17,5	CM2	400	300	1	1
11420511800	3221910191412	18	CM2	400	300	1	1
11420511850	3221910191429	18,5	CM2	400	300	1	1
11420511900	3221910191436	19	CM2	400	300	1	1
11420511950	3221910191443	19,5	CM2	400	300	1	1
11420512000	3221910191450	20	CM2	400	300	1	1
11420512050	3221910191467	20,5	CM2	400	300	1	1
11420512100	3221910191474	21	CM2	400	300	1	1
11420512150	3221910191481	21,5	CM2	400	300	1	1
11420512200	3221910191498	22	CM2	400	300	1	1
11420512250	3221910191504	22,5	CM2	400	300	1	1
11420512300	3221910191511	23	CM2	400	300	1	1
11420512400	3221910191528	24	CM3	400	300	1	1
11420512500	3221910191535	25	CM3	400	275	1	1
11420512600	3221910191542	26	CM3	400	275	1	1
11420512700	3221910191559	27	CM3	400	275	1	1
11420512800	3221910191566	28	CM3	400	275	1	1
11420512900	3221910191573	29	CM3	400	275	1	1
11420513000	3221910191580	30	CM3	400	275	1	1
11420513100	3221910191597	31	CM3	400	275	1	1

TEMPERED ADAPTER.

CASQUILLO DE REDUCCIÓN TEMPLADO.

BUSSOLA DI RIDUZIONE TEMPERATA.

NFE 66534

Rectified interior and exterior cones.

Conos interiores y exteriores rectificados.

Coni interni ed esterni rettificati.

1110341	EAN	CE	CI	L	QTY	PCB
11103410201	3221910520458	2	1	92	1	1
11103410301	3221910520472	3	1	99	1	1
11103410302	3221910520489	3	2	112	1	1
11103410402	3221910520526	4	2	124	1	1
11103410403	3221910520533	4	3	140	1	1
11103410504	3221910520571	5	4	171	1	1

TEMPERED ELONGATED ADAPTER.

CASQUILLO DE REDUCCIÓN LARGO TEMPLADO.

BUSSOLA DI RIDUZIONE ALLUNGATA TEMPERATA.

NFE 66535

Rectified interior and exterior cones.

Conos interiores y exteriores rectificados.

Coni interni ed esterni rettificati.

1110361	EAN	CE	CI	L	QTY	PCB
11103610201	3221910521028	2	1	160	1	1
11103610202	3221910521035	2	2	175	1	1
11103610203	3221910521042	2	3	196	1	1
11103610302	3221910521073	3	2	194	1	1
11103610304	3221910521097	3	4	240	1	1
11103610405	3221910521141	4	5	300	1	1

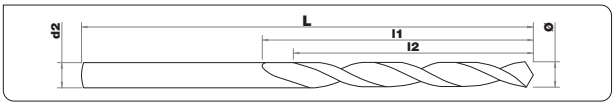
CONE PUNCH. | EXTRACTOR DE CONOS. | CACCIA CONI.

TIVOLY NORM

1110371	EAN	CM	QTY	PCB
11103710102	3221910521707	1/2	1	1
11103710203	3221910521714	2/3	1	1
11103710304	3221910521721	3/4	1	1

HSS 90° SPOTTING DRILL. | BROCA HSS PARA PUNTEAR 90°. | PUNTA HSCOB5 A CENTRARE 90°.

HS COB | BRIGHT UNCOATED | NF 66052 | 1xd | 90° | h8



For spotting, deburring, countersink. | Para puntear, desbastar, avellanar. | Per preforatura, sbavatura, svasatura.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

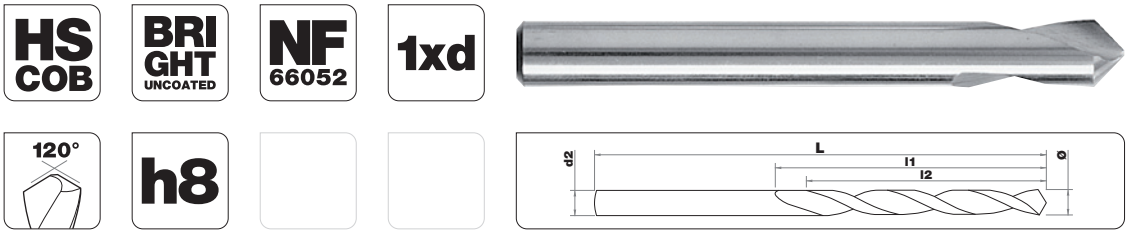
C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

8140891	EAN	ø	d2	L	l1	QTY	PCB
81408910300	3221910757458	3	3	50	10	1	1
81408910400	3221910757465	4	4	52	12	1	1
81408910500	3221910757472	5	5	60	15	1	1
81408910600	3221910757489	6	6	66	20	1	1
81408910800	3221910757496	8	8	79	25	1	1
81408911000	3221910757502	10	10	89	25	1	1
81408911200	3221910757519	12	12	102	30	1	1
81408911600	3221910757526	16	16	115	35	1	1
81408912000	3221910757533	20	20	131	40	1	1
81408912500	3221910757540	25	25	138	45	1	1

HSS 120° SPOTTING DRILL

BROCA HSS PARA PUNTEAR 120°.

PUNTA HSCOB5 A CENTRARE 120°.



For spotting, deburring, countersink.

Para puntear, desbastar, avellanar.

Per preforatura, sbavatura, svasatura.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

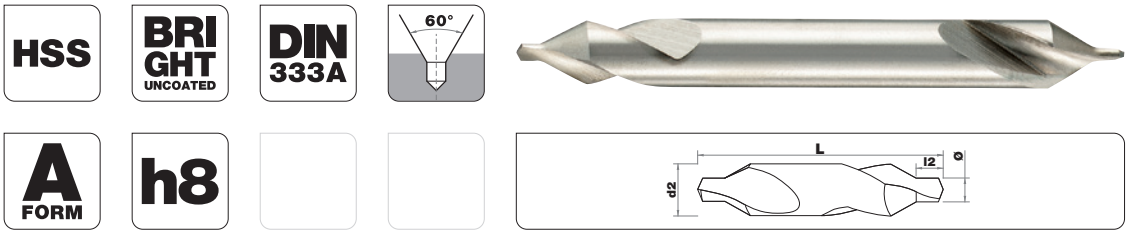
C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

8140911	EAN	Ø	d2	L	l1	QTY	PCB
81409110300	3221910757908	3	3	50	10	1	1
81409110400	3221910757915	4	4	52	12	1	1
81409110500	3221910757922	5	5	60	15	1	1
81409110600	3221910757939	6	6	66	20	1	1
81409110800	3221910757946	8	8	79	25	1	1
81409111000	3221910757953	10	10	89	25	1	1
81409111200	3221910757960	12	12	102	30	1	1
81409111600	3221910757977	16	16	115	35	1	1
81409112000	3221910757984	20	20	131	40	1	1
81409112500	3221910757991	25	25	138	45	1	1

60° CENTER DRILL I A FORM.

BROCA DE CENTRAR 60°.

PUNTA HSS A CENTRARE 60° FORMA A.



To center.

Para centrar forma A.

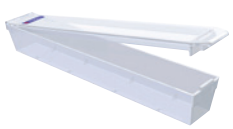
Per centraggio forma A.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

8140811	EAN	Ø	d2	L	QTY	PCB
8140811050315	3221910479763	3,15	0,5	25	1	1
8140811063315	3221910479770	3,15	0,63	25	1	1
8140811080315	3221910479794	3,15	0,8	25	1	1
8140811100315	3221910479831	3,15	1	31	1	1
8140811125315	3221910479893	3,15	1,25	31	1	1
8140811100400	3221910479848	4,00	1	35	1	1
8140811160400	3221910479923	4,00	1,6	35	1	1
8140811150500	3221910479916	5,00	1,5	40	1	1
8140811200500	3221910479947	5,00	2	40	1	1
8140811200600	3221910479954	6,00	2	45	1	1
8140811250630	3221910479978	6,30	2,5	45	1	1
8140811250800	3221910480004	8,00	2,5	50	1	1
8140811300800	3221910480035	8,00	3	50	1	1
8140811315800	3221910480042	8,00	3,15	50	1	1
8140811300100	3221910480011	10,00	3	55	1	1
8140811400100	3221910480059	10,00	4	55	1	1
8140811400120	3221910480103	12,00	4	63	1	1
8140811500120	3221910480189	12,00	5	63	1	1
8140811500125	3221910480202	12,50	5	63	1	1



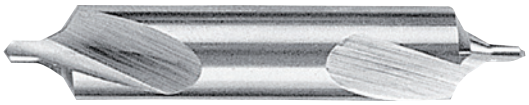
8140811	EAN	Ø	d2	L	QTY	PCB
8140811500140	3221910480219	14,00	5	71	1	1
8140811630160	3221910480264	16,00	6,3	71	1	1
8140811600180	3221910480257	18,00	6	80	1	1
8140811800200	3221910480271	20,00	8	80	1	1

60°-120° CENTER DRILL. B FORM.

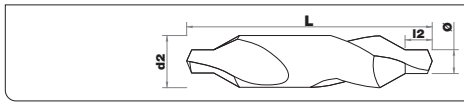
BROCA PARA CENTRAR 60°-120° FORMA B

PUNTA HSS A CENTRARE 60°-120° FORMA B

HSS | BRIGHT UNCOATED | DIN 333B | 60° 120°



B FORM | h8



For centering.

Para centrar.

Per centraggio .

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

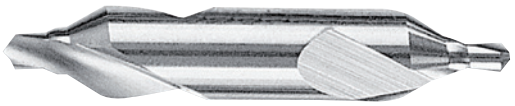
8140821	EAN	Ø	d2	L	l1	QTY	PCB
8140821100040	3221910756109	4	1	25	0,8	1	1
8140821125050	3221910756130	5	1,25	25	1,1	1	1
8140821100060	3221910756116	6	1	25	0,9	1	1
8140821160063	3221910756161	6,3	1,6	35	1,3	1	1
8140821150080	3221910756147	8	1,5	31	1,3	1	1
8140821200080	3221910756178	8	2	31	1,6	1	1
8140821200100	3221910756185	10	2	40	2	1	1
8140821250100	3221910756192	10	2,5	35	2	1	1
8140821315112	3221910756239	11,2	3,15	45	3,1	1	1
8140821250120	3221910756208	12	2,5	40	2,5	1	1
8140821300140	3221910756222	14	3	45	2,5	1	1
8140821400140	3221910756246	14	4	50	3,1	1	1
8140821400180	3221910756253	18	4	50	3,9	1	1
8140821500180	3221910756260	18	5	55	3,9	1	1
8140821630200	3221910756284	20	6,3	50	3,9	1	1

60° CENTER DRILL. W FORM. REINFORCED BULGE.

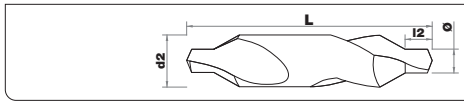
BROCA PARA CENTRAR 60°. FORMA W BARRILETE DE REFUERZO.

PUNTA HSS A CENTRARE 60° FORMA W CON CENTRO RINFORZATO.

HSS | BRIGHT UNCOATED | DIN 333B | 60°



W FORM | h8



For centering.

Para centrar.

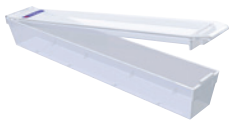
Per centraggio.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

8140881	EAN	Ø	d2	L	l1	QTY	PCB
8140881100315	3221910757151	3,15	1	31	1,3	1	1
8140881125315	3221910757168	3,15	1,25	31	1,6	1	1
8140881160400	3221910757175	4	1,6	35	2	1	1
8140881200500	3221910757182	5	2	40	2,5	1	1
8140881250630	3221910757199	6,3	2,5	45	3,1	1	1
8140881315800	3221910757205	8	3,15	50	3,9	1	1
81408814001000	3221910757212	10	4	55	5	1	1
81408816301600	3221910757236	16	6,3	71	8	1	1

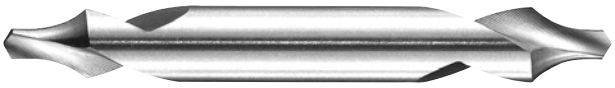


RADIUS CENTER DRILL. R FORM.

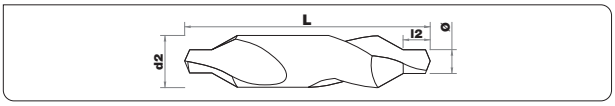
BROCA DE CENTRAR CON RADIO. FORMA R.

PUNTA HSS A CENTRARE CON RAGGIO FORMA R.

HSS | BRIGHT UNCOATED | DIN 333R | α



R FORM | h8



For centering.

Para centrar.

Per centraggio.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

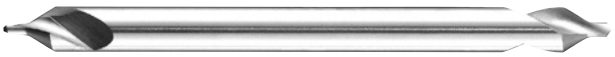
8140831	EAN	Ø	d2	L	l1	QTY	PCB
8140831050315	3221910756536	3,15	0,5	25	2,3	1	1
8140831080315	3221910756543	3,15	0,8	25	2,6	1	1
8140831100315	3221910756567	3,15	1	31	3	1	1
8140831125315	3221910756574	3,15	1,25	31	3,3	1	1
8140831160400	3221910756581	4	1,6	35	4,2	1	1
8140831200500	3221910756598	5	2	40	5	1	1
8140831250630	3221910756604	6,3	2,5	45	6,3	1	1
8140831315800	3221910756611	8	3,15	50	8	1	1
81408314001000	3221910756628	10	4	55	10	1	1
81408315001250	3221910756635	12,5	5	63	12,5	1	1
81408316301600	3221910756642	16	6,3	71	16	1	1

60° CENTER DRILL. A FORM. LONG SERIES L 60 | 80 | 100 | 120 MM.

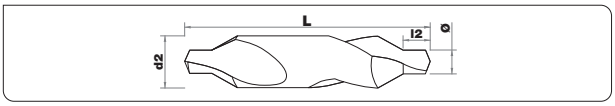
BROCA DE CENTRAR. FORMA A. SERIE LARGA. L 60 | 80 | 100 | 120.

PUNTA HSCOB5 A CENTRARE 60° LUNGA | FORMA A (L 60 | 80 | 100 | 120 MM).

HS COB | BRIGHT UNCOATED | TIVOLY NORM | 60°



A FORM | h8



For centering.

Para centrar.

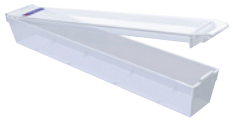
Per centraggio.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

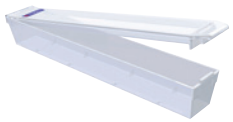
8140841	EAN	Ø	d2	L	l1	QTY	PCB
8140841075350	3221910481179	3,5	0,75	60	1	1	1
8140841100400	3221910481186	4	1	60	1,3	1	1
8140841150500	3221910481193	5	1,5	60	2	1	1



8140851	EAN	Ø	d2	L	l1	QTY	PCB
8140851200600	3221910481360	6	2	80	2,5	1	1
8140851250800	3221910481384	8	2,5	80	3,1	1	1
8140851300800	3221910481391	8	3	80	3,9	1	1

8140861	EAN	Ø	d2	L	l1	QTY	PCB
8140861300100	3221910481537	10	3	100	3,9	1	1
8140861400100	3221910481544	10	4	100	5	1	1
8140861400120	3221910481551	12	4	100	5	1	1

8140871	EAN	Ø	d2	L	l1	QTY	PCB
8140871100400	3221910756833	4	1	120	1,3	1	1
8140871150500	3221910756840	5	1,5	120	2	1	1
8140871200600	3221910756857	6	2	120	2,5	1	1
8140871250800	3221910756864	8	2,5	120	3,1	1	1
8140871300800	3221910756888	8	3	120	3,9	1	1
8140871500140	3221910756918	14	5	120	3,9	1	1
81408713001000	3221910756871	10	3	120	5	1	1
81408714001000	3221910756895	10	4	120	5	1	1
81408714001200	3221910756901	12	4	120	6,3	1	1



HSS SHEET DRILL.

BROCA HSS CÓNICA LISA.

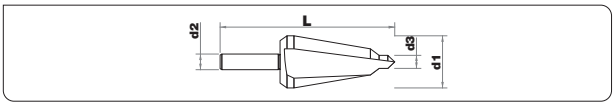
PUNTA HSS CONICA LISCIA ALLARGA FORI.

HSS

BRIGHT UNCOATED

TIVOLY NORM

100°



Drilling and enlarging sheet metal and plastics.

Para chapas y plásticos.

Foratura e allargatura lamiere e materiali plastici.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

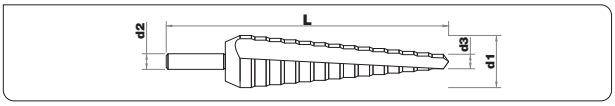
C Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

1143862	EAN	d1	d2	d3	L	QTY	PCB
11438620314	3221910223038	14	6	3	58	1	1
11438620520	3221910223045	20	8	5	71	1	1
11438620531	3221910223052	31	8	5	103	1	1
11438621630	3221910223069	30,5	9	16	76	1	1
11438622440	3221910223076	40	10	24	89	1	1

HSS STEP DRILL. STRAIGHT FLUTE I T LINE

BROCA HSCOB ESCALONADA. CANAL RECTO I T LINE

PUNTA HSS CONICA SCALINATA I SCANALATURE DRITTE I T LINE



For sheet and plastic.

Para chapas y plásticos.

Foratura lamiere e materiali plastici.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

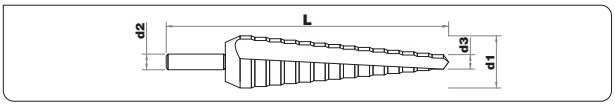
B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

1144881	EAN	d1	d2	d3	L	QTY	PCB
11448810412	3221910856496	12	6	4	65	1	1
11448810420	3221910856502	20	8	4	75	1	1
11448810430	3221910856519	30	10	4	100	1	1
11448810637	3221910856526	37	10	6	100	1	1

HSS STEP DRILL. HELICOÏDAL FLUTE.

BROCA HSCOB ESCALONADA. CANAL HELICOIDAL.

PUNTA HSS CONICA SCALINATA I SCANALATURE ELICOIDALI.



For sheet and plastic. Comfort, accuracy.

Para chapas y plásticos. Confort, precisión.

Foratura lamiere e materiali plastici. Comfort e precisione.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

C Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

1144852	EAN	d1	d2	d3	L	QTY	PCB
11448520412	3221910899134	12	6	4	65	1	1
11448520420	3221910899141	20	8	4	75	1	1
11448520430	3221910223106	30	10	4	100	1	1
11448520637	3221910223113	37	10	6	100	1	1

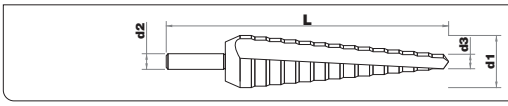
HSS STEP DRILL TIALN. HELICOIDAL FLUTE

BROCA HSS ESCALONADA TIALN. CANAL HELICOIDAL.

PUNTA HSS TIAIN CONICA SCALINATA I SCANALATURE ELICOIDALI.

HSS | TiAIN COATED | TIVOLY NORM | 4

100°



For sheet and plastic. Speed, life span.

Para chapas y plásticos. Rapidez, duración de vida.

Foratura lamiere e mat. plast. resistenti. Velocità. Lunga durata.

A Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

B Heat Treatable Steels <1200N/mm²
Aceros aleados y tratados < 1200N/mm²
Acciai per trattamento termico <1200N/mm²

C Heat Treatable Steels <1400N/mm²
Aceros aleados y tratados < 1400N/mm²
Acciai per trattamento termico <1400N/mm²

1143872	EAN	d1	d2	d3	L	QTY	PCB
11438720412	3221910223083	12	6	4	65	1	1
11438720420	3221910223090	20	8	4	75	1	1
11438720430	3221910223106	30	10	4	100	1	1
11438720637	3221910223113	37	10	6	100	1	1

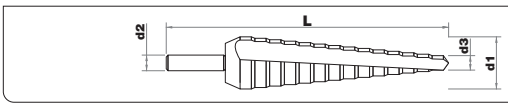
HSCOB STEP DRILL TIALN. HELICOÏDAL FLUTE.

BROCA HSCOB ESCALONADA TIALN. CANAL HELICOIDAL.

PUNTA HSCOB TIAIN CONICA SCALINATA I SCANALATURE ELICOIDALI.

HS COB | TiAIN COATED | TIVOLY NORM | 4

100°



For stainless steels sheet and resistant material. Speed, life span

Para chapas de aceros inox. Y resistentes. Rapidez, duración de vida.

Foratura acciai inossidabili, mat. resistenti. Velocità. Lunga durata.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

C Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

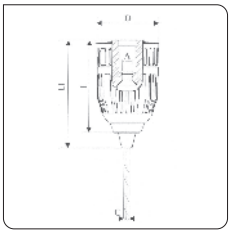
FGH Stainless Steels
Aceros inoxidables
Acciai inossidabili

1144872	EAN	d1	d2	d3	L	QTY	PCB
11448720412	3221910843250	12	6	4	65	1	1
11448720420	3221910843267	20	8	4	75	1	1
11448720430	3221910843274	30	10	4	100	1	1
11448720637	3221910843281	37	10	6	100	1	1

KEYLESS CHUCK I PLASTIC SLEEVE

PORTABROCAS SIN LLAVE/ CAMISA DE PLÁSTICO

MANDRINO SENZA CHIAVE I IN PLASTICA



Easy changeovers I Ergonomic

"Simple Action"/Ergonómico

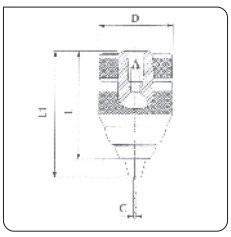
Azione semplice I Ergonomico

Chuck1	EAN	c	Thread.	A	Ø	L	L1	QTY	PCB
XT60694001560	3221912000071	1,5-13	3/8-24	5,5	42,5	64	75	1	1
XT60694001561	3221912000095	1,5-13	1/2-20	6,5	42,5	64	75	1	1

KEYLESS CHUCK I METAL SLEEVE

PORTABROCAS SIN LLAVE/ CAMISA METÁLICA

MANDRINO SENZA CHIAVE I IN METALLO



Easy changeovers I Ergonomic

"Simple Action"/Ergonómico

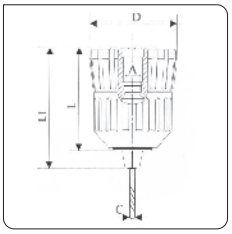
Azione semplice I Ergonomico

Chuck2	EAN	c	Thread.	A	Ø	L	L1	QTY	PCB
XT60694001562	3221912000101	1,5-13	3/8-24	5,5	42,5	64	75	1	1
XT60694001563	3221912000118	1,5-13	1/2-20	6,5	42,5	64	75	1	1

KEYLESS CHUCK I PLASTIC SLEEVE I FOR CORDLESS

PORTABROCAS SIN LLAVE/ CAMISA PLÁSTICO/ SIN CABLE

MANDRINO SENZA CHIAVE I IN PLASTICA I PER AVVITATORE



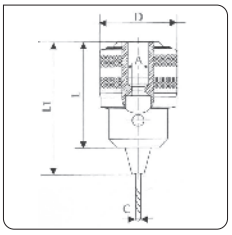
For cordless drills | Para taladro sin cable | Per trapano a batteria

Chuck3	EAN	c	Thread.	A	Ø	L	L1	QTY	PCB
XT60694001564	3221912000125	0,5-10	3/8-24	5,5	42,0	52	61	1	1
XT60694001565	3221912000132	0,5-10	1/2-20	6,5	42,0	52	61	1	1

KEYED CHUCK

PORTABROCAS CON LLAVE

MANDRINO CON CHIAVE



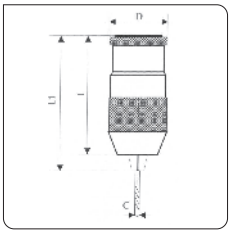
Hardened cogs | Cremallera tratada | Cremagliera trattata

Chuck4	EAN	c	Thread.	A	D	L	L1	QTY	PCB
XT60694001566	3221912000149	0,5-10	3/8-24	5,5	33,0	49	60	1	1
XT60694001567	3221912000156	0,5-10	1/2-20	6,5	33,0	49	60	1	1
XT60694001568	3221912000163	1,5-13	3/8-24	5,5	42,0	58	72	1	1
XT60694001569	3221912000170	1,5-13	1/2-20	6,5	42,0	58	72	1	1

PROFESSIONAL SELF LOCKING CHUCK

PORTABROCAS AUTOMÁTICO PROFESIONAL SIN PERCUSIÓN

MANDRINO AUTOMATICO PROFESSIONALE SENZA PERCUSSIONE



Self locking/opening

Apertura automática

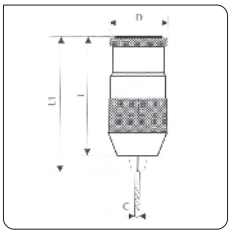
Apertura automatica

Chuck5	EAN	c	Thread.	D	L	L1	QTY	PCB
XT60694001570	3221912000194	0,5-13	B16	46,0	88	99	1	1
XT60694001571	3221912000200	1-16	B16	46,0	99	110	1	1
XT60694001572	3221912000293	1-16	B18	46,0	99	110	1	1

PROFESSIONAL SELF LOCKING CHUCK FOR PERCUSSION DRILLS

PORTABROCAS AUTOMÁTICO PROFESIONAL CON PERCUSIÓN

MANDRINO AUTOMATICO PROFESSIONALE CON PERCUSSIONE



Easy changeovers I Ergonomic

"Simple Action"/apertura automática

Azione semplice I Apertura automatica

Chuck6	EAN	c	Thread.	D	L	L1	QTY	PCB
XT60694001573	3221912000217	1,5-13	1/2-20	42,7	77	94	1	1

CHUCK KEY

LLAVE DE PORTABROCAS

CHIAVE PER MANDRINO

Chuck7	EAN	d	L	L1	typ	QTY	PCB
XT60694001574	3221912000224	6,10	33,00	60,0	C14	1	1
XT60694001575	3221912000231	6,00	41,00	80,0	C2	1	1

#01

LEFT TURN KEY M6X100

TORNILLO ROSCA IZQUIERDA M6X100

VITA SINISTRA M6X100

XT60694001576

3221912000255

QTY	PCB
1	1

ADAPTER 3/8 I 3/8

ADAPTADOR 3/8/ 3/8

ADATTATORE 3/8 I 3/8

XT60694001577

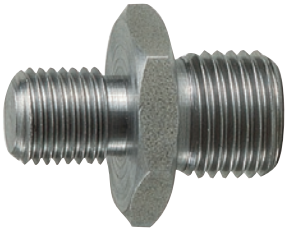
3221912000262

QTY	PCB
1	1

ADAPTER 3/8 I 1/2

ADAPTADOR 3/8/ 1/2

ADATTATORE 3/8 I 1/2



XT60694001578

3221912000279

QTY	PCB
1	1

ADAPTER SDS+

ADAPTADOR SDS+

ADATTATORE SDS +

XT60694001579

3221912000286

QTY	PCB
1	1

ADAPTER SDSMAX

ADAPTADOR SDSMAX

ADATTATORE SDS MAX

XT60694001580

QTY	PCB
1	1

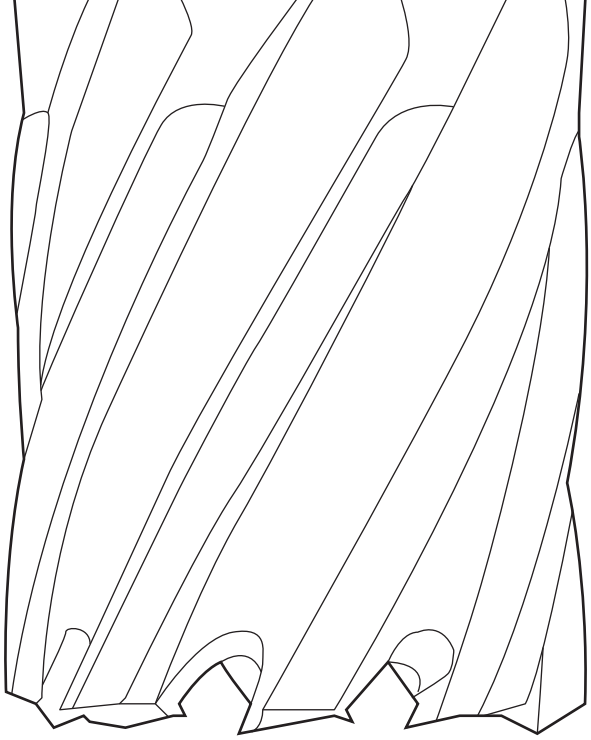
GENE-
RAL
CATALOGUE

CORE HOLE DRILLING

FRESADO HUECO

CAROTATURA

#02/08



CORE HOLE DRILLING
FRESADO HUECO
CAROTATURA

CORE HOLE DRILL **160**
FRESAS HUECAS
FRESE A CAROTARE

End mills. Fresas. Frese.

Accessories. Accesorios. Accessori.

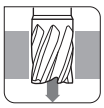
HSS TIALN CORE HOLE DRILL WELDON SHORT SERIES.

FRESA HUECA HSS TIALN WELDON SERIE CORTA.

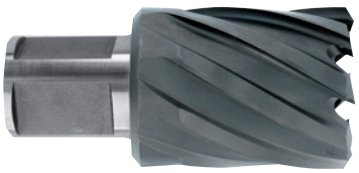
FRESA PER CAROTAGGIO HSS, TIAIN ATTACCO WELDON, CORTA.

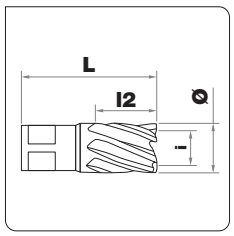
#02

HSS | TiAIN COATED | TIVOLY NORM



Z 4-14 | WELDON 19mm





For stainless steels and steels drilling, comfort, speed, life span.

Taladrado de aceros e inoxidables. Confort, rapidez, duración de vida.

Foratura di acciai e inox. Comfort e velocità di taglio. Lunga durata.

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

1037001	EAN	Ø	L	l2	i	Z	QTY	PCB
10370011200	3221910824945	12	60	30	6	4	1	1
10370011300	3221910824952	13	60	30	6	4	1	1
10370011400	3221910824969	14	60	30	6	4	1	1
10370011500	3221910824976	15	60	30	7	4	1	1
10370011600	3221910824983	16	60	30	8	5	1	1
10370011700	3221910824990	17	60	30	9	5	1	1
10370011800	3221910825003	18	60	30	10	5	1	1
10370011900	3221910825010	19	60	30	11	5	1	1
10370012000	3221910825027	20	60	30	12	5	1	1
10370012100	3221910825034	21	60	30	13	5	1	1
10370012200	3221910825041	22	60	30	14	6	1	1
10370012300	3221910825058	23	60	30	15	6	1	1
10370012400	3221910825065	24	60	30	16	6	1	1
10370012500	3221910825072	25	60	30	17	6	1	1
10370012600	3221910825089	26	60	30	18	6	1	1
10370012700	3221910825096	27	60	30	19	6	1	1
10370012800	3221910825102	28	60	30	20	8	1	1
10370012900	3221910825119	29	60	30	21	8	1	1
10370013000	3221910825126	30	60	30	22	8	1	1
10370013100	3221910825133	31	60	30	23	8	1	1
10370013200	3221910825140	32	60	30	24	8	1	1
10370013300	3221910825157	33	60	30	25	8	1	1
10370013400	3221910825164	34	60	30	26	10	1	1
10370013500	3221910825171	35	60	30	27	10	1	1
10370013600	3221910825188	36	60	30	28	10	1	1
10370013700	3221910825195	37	60	30	29	10	1	1
10370013800	3221910825201	38	60	30	30	10	1	1
10370013900	3221910825218	39	60	30	31	10	1	1
10370014000	3221910825225	40	60	30	32	12	1	1
10370014100	3221910825232	41	60	30	33	12	1	1
10370014200	3221910825249	42	60	30	34	12	1	1
10370014300	3221910825256	43	60	30	35	12	1	1
10370014400	3221910825263	44	60	30	36	12	1	1
10370014500	3221910825270	45	60	30	37	12	1	1
10370014600	3221910825287	46	60	30	38	14	1	1
10370014700	3221910825294	47	60	30	39	14	1	1
10370014800	3221910825300	48	60	30	40	14	1	1
10370014900	3221910825317	49	60	30	41	14	1	1
10370015000	3221910825324	50	60	30	42	14	1	1

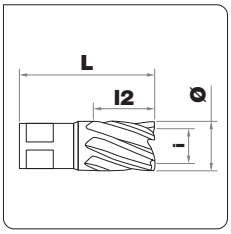
HSS TIALN CORE HOLE DRILL WELDON LONG SERIES.

FRESA HUECA HSS TIALN WELDON SERIE LARGA.

FRESA PER CAROTAGGIO HSS, TIAIN ATTACCO WELDON, LUNGA.

#02

HSS | TiAIN COATED | TIVOLY NORM | WELDON 19mm



For stainless steels and steels drilling, comfort, speed, life span.

Taladrado de aceros e inoxidables. Confort, rapidez, duración de vida.

Foratura di acciai e inox. Comfort e velocità di taglio. Lunga durata.

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

1037011	EAN	Ø	L	l2	i	Z	QTY	PCB
10370111200	3221910825331	12	80	50	6	4	1	1
10370111300	3221910825348	13	80	50	6	4	1	1
10370111400	3221910825355	14	80	50	6	4	1	1
10370111500	3221910825362	15	80	50	7	4	1	1
10370111600	3221910825379	16	80	50	8	5	1	1
10370111700	3221910825386	17	80	50	9	5	1	1
10370111800	3221910825393	18	80	50	10	5	1	1
10370111900	3221910825409	19	80	50	11	5	1	1
10370112000	3221910825416	20	80	50	12	5	1	1
10370112100	3221910825423	21	80	50	13	5	1	1
10370112200	3221910825430	22	80	50	14	6	1	1
10370112300	3221910825447	23	80	50	15	6	1	1
10370112400	3221910825454	24	80	50	16	6	1	1
10370112500	3221910825461	25	80	50	17	6	1	1
10370112600	3221910825478	26	80	50	18	6	1	1
10370112700	3221910825485	27	80	50	19	6	1	1
10370112800	3221910825492	28	80	50	20	8	1	1
10370112900	3221910825508	29	80	50	21	8	1	1
10370113000	3221910825515	30	80	50	22	8	1	1
10370113100	3221910825522	31	80	50	23	8	1	1
10370113200	3221910825539	32	80	50	24	8	1	1
10370113300	3221910825546	33	80	50	25	8	1	1
10370113400	3221910825553	34	80	50	26	10	1	1
10370113500	3221910825560	35	80	50	27	10	1	1
10370113600	3221910825577	36	80	50	28	10	1	1
10370113700	3221910825584	37	80	50	29	10	1	1
10370113800	3221910825591	38	80	50	30	10	1	1
10370113900	3221910825607	39	80	50	31	10	1	1
10370114000	3221910825614	40	80	50	32	12	1	1
10370114100	3221910825621	41	80	50	33	12	1	1
10370114200	3221910825638	42	80	50	34	12	1	1
10370114300	3221910825645	43	80	50	35	12	1	1
10370114400	3221910825652	44	80	50	36	12	1	1
10370114500	3221910825669	45	80	50	37	12	1	1
10370114600	3221910825676	46	80	50	38	14	1	1
10370114700	3221910825683	47	80	50	39	14	1	1
10370114800	3221910825690	48	80	50	40	14	1	1
10370114900	3221910825706	49	80	50	41	14	1	1
10370115000	3221910825713	50	80	50	42	14	1	1

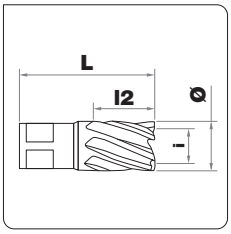
HSS TIALN CORE HOLE DRILL WELDON SHORT SERIES.

FRESA HUECA HSS WELDON SERIE CORTA.

FRESA PER CAROTAGGIO HSS, TIAIN ATTACCO WELDON, CORTA.

#02

HSS | BRIGHT UNCOATED | TIVOLY NORM | WELDON 19mm



For steels drilling.

Taladrado de aceros.

Foratura degli acciai.

AB

Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

P

Composite Plastics
Composites plásticos
Plastiche composite

1037051	EAN	Ø	L	l2	i	Z	QTY	PCB
10370511200	3221910859664	12	60	30	6	4	1	1
10370511300	3221910859671	13	60	30	6	4	1	1
10370511400	3221910859688	14	60	30	6	4	1	1
10370511500	3221910859695	15	60	30	7	4	1	1
10370511600	3221910859701	16	60	30	8	5	1	1
10370511700	3221910859718	17	60	30	9	5	1	1
10370511800	3221910859725	18	60	30	10	5	1	1
10370511900	3221910859732	19	60	30	11	5	1	1
10370512000	3221910859749	20	60	30	12	5	1	1
10370512100	3221910859756	21	60	30	13	5	1	1
10370512200	3221910859763	22	60	30	14	6	1	1
10370512300	3221910859770	23	60	30	15	6	1	1
10370512400	3221910859787	24	60	30	16	6	1	1
10370512500	3221910859794	25	60	30	17	6	1	1
10370512600	3221910859800	26	60	30	18	6	1	1
10370512700	3221910859817	27	60	30	19	6	1	1
10370512800	3221910859824	28	60	30	20	8	1	1
10370513000	3221910859848	30	60	30	22	8	1	1
10370513200	3221910859862	32	60	30	24	8	1	1
10370513500	3221910859893	35	60	30	27	10	1	1
10370513800	3221910859923	38	60	30	30	10	1	1
10370514000	3221910859947	40	60	30	32	12	1	1
10370514200	3221910859961	42	60	30	34	12	1	1
10370514500	3221910859992	45	60	30	37	12	1	1
10370514800	3221910860028	48	60	30	40	14	1	1
10370515000	3221910860042	50	60	30	42	14	1	1

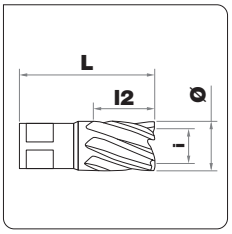
HSS CORE HOLE DRILL WELDON LONG SERIES.

FRESA HUECA HSS TIALN WELDON SERIE LARGA.

FRESA PER CAROTAGGIO HSS, ATTACCO WELDON, LUNGA.

#02

HSS | BRIGHT UNCOATED | TIVOLY NORM | WELDON 19mm



For steels drilling.

Taladrado de aceros.

Foratura degli acciai.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

P Composite Plastics
Composites plásticos
Plastiche composite

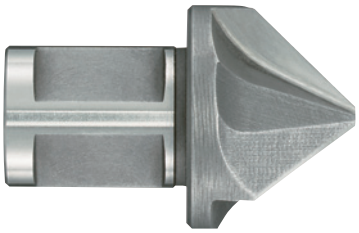
1037061	EAN	Ø	L	l2	i	Z	QTY	PCB
10370611200	3221910860059	12	80	50	6	4	1	1
10370611300	3221910860066	13	80	50	6	4	1	1
10370611400	3221910860073	14	80	50	6	4	1	1
10370611500	3221910860080	15	80	50	7	4	1	1
10370611600	3221910860097	16	80	50	8	5	1	1
10370611700	3221910860103	17	80	50	9	5	1	1
10370611800	3221910860110	18	80	50	10	5	1	1
10370611900	3221910860127	19	80	50	11	5	1	1
10370612000	3221910860134	20	80	50	12	5	1	1
10370612100	3221910860141	21	80	50	13	5	1	1
10370612200	3221910860158	22	80	50	14	6	1	1
10370612300	3221910860165	23	80	50	15	6	1	1
10370612400	3221910860172	24	80	50	16	6	1	1
10370612500	3221910860189	25	80	50	17	6	1	1
10370612600	3221910860196	26	80	50	18	6	1	1
10370612700	3221910860202	27	80	50	19	6	1	1
10370612800	3221910860219	28	80	50	20	8	1	1
10370613000	3221910860233	30	80	50	22	8	1	1
10370613200	3221910860257	32	80	50	24	8	1	1
10370613500	3221910860288	35	80	50	27	10	1	1
10370613800	3221910860318	38	80	50	30	10	1	1
10370614000	3221910860332	40	80	50	32	12	1	1
10370614200	3221910860356	42	80	50	34	12	1	1
10370614500	3221910860387	45	80	50	37	12	1	1
10370614800	3221910860417	48	80	50	40	14	1	1
10370615000	3221910860431	50	80	50	42	14	1	1

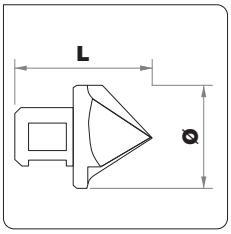
HSS DEBURRING TOOLS WELDON.

FRESA PARA DESBASTAR HSS WELDON.

FRESA PER SBAVATURA HSS, ATTACCO WELDON.

HSS | BRIGHT UNCOATED | TIVOLY NORM | Z3 | WELDON 19mm





Universal application, finishing.

Uso univeral. Acabado.

Uso polivalente per finitura dei fori.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

IJ Cast iron
Fundiciones
Ghisa

P Composite Plastics
Composites plásticos
Plastiche composite

1037031	EAN	Ø	L	Z	QTY	PCB
10370312500	3221910825782	25	43	3	1	1
10370313000	3221910825799	30	47	3	1	1
10370314000	3221910825805	40	52	3	1	1
10370315500	3221910825812	55	63	4	1	1

PILOT PIN FOR CORE HOLE DRILL.

EXPULSORES PARA FRESA HUECA.

PILOTA DI GUIDA PER FRESA DI CAROTAGGIO.

TIVOLY NORM | WELDON 19mm

Pointing before drilling and core ejection.

Punteado previo al taladrado y extractor.

Guida di foratura ed estrazione materiale.

1111121	EAN	Ø	L	QTY	PCB
11111210001	3221910825720	6,34	77	1	1
11111210002	3221910825737	6,34	103	1	1

ARBOR HOLDERS CM => WELDON.

ADAPTADORES DE CM A WELDON.

ADATTATORE CM => WELDON.

TIVOLY NORM | WELDON 19mm

#02

For use with Weldon core hole drill on CM column drill.

Para uso con fresas huecas Weldon en taladros de columnas.

Per l'uso delle frese carotatrici Weldon su foratrici a colonna CM.

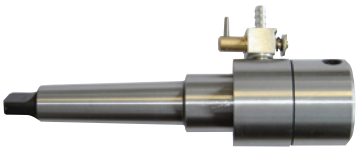
1111131	EAN	Ø	CM	QTY	PCB
11111310002	3221910825744	19	2	1	1
11111310003	3221910825751	19	3	1	1

ARBOR HOLDERS WITH LUB. CM => WELDON.

ADAPTADORES DE CM A WELDON CON SIST. DE LUBRICACIÓN INTEGRADO.

ADATTATORE CM => WELDON CON LUBRIFICAZIONE.

TIVOLY NORM | WELDON 19mm | LUB



For use with Weldon core hole drill on CM column drill.

Para uso con fresas huecas Weldon en taladros de columnas.

Per l'uso delle frese carotatrici Weldon su foratrici a colonna CM.

1111141	EAN	Ø	CM	QTY	PCB
11111410002	3221910825768	19	2	1	1
11111410003	3221910825775	19	3	1	1

ADAPTER FEIN => WELDON.

ADAPTADOR FEIN A WELDON.

ADATTATORE CM => WELDON.

TIVOLY NORM | WELDON 19mm | FEIN QUICK-IN

For use with Weldon core hole drill on Fein machine.

Para uso con fresas huecas Weldon en máquinas Fein.

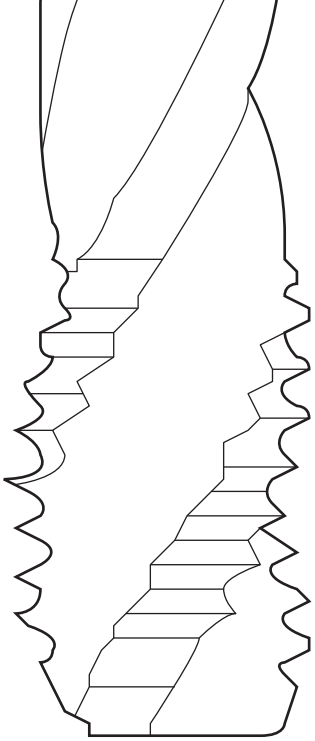
Per l'uso delle frese carotatrici Weldon su macchine Fein.

1111151	EAN	Ø	F	QTY	PCB
11111510001	3221910843526	19	18	1	1

GENE-
RAL
CATALOGUE

TAPPING
ROSCADO
MASCHIATURA

#03/08



TAPPING
ROSCADO
MASCHIATURA

MANUAL **170**
A MANO
A MANO

M / MF
UNC / UNF
BSPG
BSW / BSF
Accessories. Accesorios. Accessori.

#03

MACHINE **182**
MÁQUINA
A MACCHINA

M / MF
UNC / UNF
BSPG
BSW / BSF
PG
NPT
BSPT / Rc

#03

INFO

Polyvalence de fonctionnement dans les principales matières utilisées :
aciers doux, aciers pour traitement thermique, fontes, aciers inoxydables austénitiques (304L/316L), aluminium profilés ou plats.

Tapping in standard steel, stainless steel and aluminium.

TIVOLY®

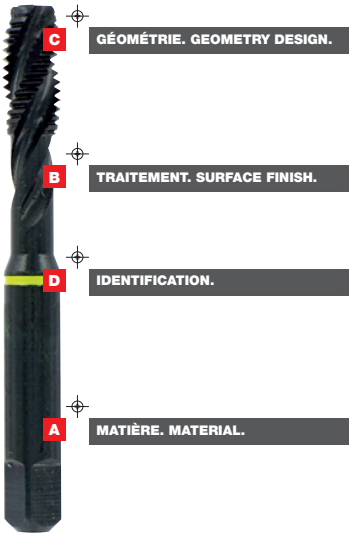
TARAUDS MULTI-APPLICATIONS
GENERAL PURPOSE TAPS

Tivoly® a conçu des géométries spéciales multi applications. Des angles de coupe spécifiques associés à des profils spéciaux (progressivité ou conicité arrière) confèrent aux tarauds multi applications Tivoly® des performances élevées et constantes quel que soit la matière usinée.

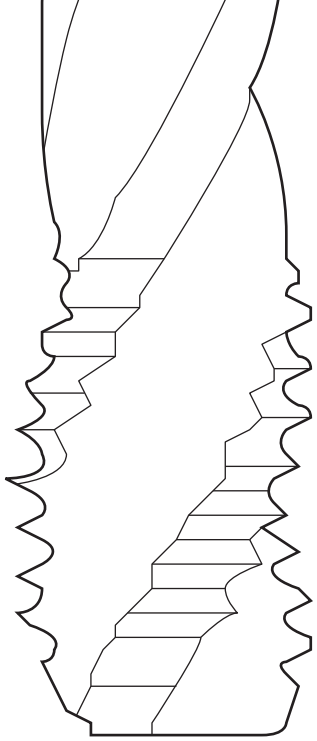
- Réduction de la friction
- Evacuation des copeaux facilitée
- Sortie du tarauds aisée
- Réduction des sollicitation sur les derniers filets.

Tivoly offers a new range specially designed for general purpose applications.
With a geometry design optimised for general purpose applications (specific cutting angles for special profiles, progressive cutting or reverse cones) Tivoly®'s general purpose taps guarantee high quality and consistent performance in all types of material.

- reduces friction and cutting tool wear
- optimised swarf removal
- reduced stoppages
- smooth accurate tapping.



professionnel@tivoly.com



MANUAL **170**
A MANO
A MANO

M / MF #03
UNC / UNF
BSPG
BSW / BSF
Accessories. Accesorios. Accessori.

MACHINE 182
MÁQUINA
A MACCHINA

M / MF #03
UNC / UNF
BSPG
BSW / BSF
PG
NPT
BSPT / Rc

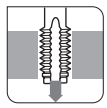
SET OF 3 HSS ISO HAND TAPS. SERIAL TYPE.

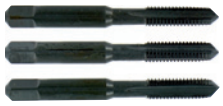
JUEGO DE MACHOS DE MANO HSSEE ISO. PERFIL ESCALONADO.

SERIE DI 3 MASCHI A MANO HSS ISO. PROFILO SCALINATO.

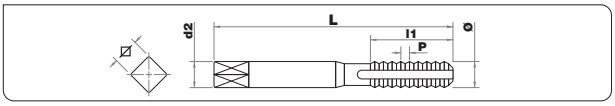
#03

HSS | STEAM TREATED | ISO 529





x3 SET | C FORM | 6H | METRIC / METRIC FINE



Multipurpose hand tapping. Robustness, accuracy.

Roscado manual multi-aplicación. Robustez, precisión.

Filettatura manuale multi-applicazione. Robustezza e precisione.

AB — Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

C — Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

H — Austenitic stainless steels
Aceros inoxidables austeniticos
Acciai inossidabili austenitici

IJ — Cast iron
Fundiciones
Ghisa

KLM — Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

P — Composite Plastics
Composites plásticos
Plastiche composite

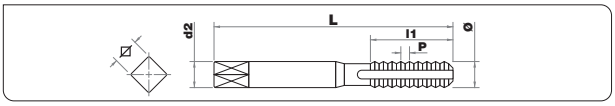
1050031	EAN	Ø	P	L	l	d2	ISO	QTY	PCB
1050031020040	3221910539931	M2	0,4	42	8,5	2,5	529	1	1
1050031025045	3221910539962	M2,5	0,45	44,5	10	2,8	529	1	1
1050031030050	3221910539979	M3	0,5	48	15	3,15	529	1	1
1050031035060	3221910540012	M3,5	0,6	50	20,5	3,55	529	1	1
1050031040070	3221910540036	M4	0,7	53	12,5	4	529	1	1
1050031040075	3221910540043	M4	0,75	53	12,5	4	529	1	1
1050031050080	3221910540074	M5	0,8	58	15,5	5	529	1	1
1050031050090	3221910540081	M5	0,9	58	15,5	5	529	1	1
1050031060100	3221910540128	M6	1	66	19	6,3	529	1	1
1050031070100	3221910540142	M7	1	66	18,5	7,1	529	1	1
1050031080125	3221910540180	M8	1,25	72	22	8	529	1	1
1050031090125	3221910540210	M9	1,25	72	22	8	529	1	1
1050031100150	3221910540265	M10	1,5	80	23	10	529	1	1
1050031110150	3221910540289	M11	1,5	85	24	8	529	1	1
1050031120175	3221910540326	M12	1,75	89	29	9	529	1	1
1050031140200	3221910540395	M14	2	95	30	11,2	529	1	1
1050031160200	3221910540449	M16	2	102	32	12,5	529	1	1
1050031180250	3221910540487	M18	2,5	112	37	14	529	1	1
1050031200250	3221910540524	M20	2,5	112	37	14	529	1	1
1050031220250	3221910540548	M22	2,5	118	38	16	529	1	1
1050031240300	3221910540579	M24	3	130	45	18	529	1	1
1050031270300	3221910540609	M27	3	135	45	20	529	1	1
1050031300350	3221910540630	M30	3,5	138	48	20	529	1	1
1050031030060	3221910539986	MF3	0,6	48	14,5	3,15	529	1	1
1050031080100	3221910540173	MF8	1	69	19	8	529	1	1
1050031090100	3221910540203	MF9	1	69	19	9	529	1	1
1050031100100	3221910540241	MF10	1	76	20	10	529	1	1
1050031100125	3221910540258	MF10	1,25	76	20	10	529	1	1
1050031120100	3221910540296	MF12	1	84	24	9	529	1	1
1050031120125	3221910540302	MF12	1,25	84	24	9	529	1	1
1050031120150	3221910540319	MF12	1,5	89	29	9	529	1	1
1050031140125	3221910540364	MF14	1,25	90	25	11,2	529	1	1
1050031140150	3221910540371	MF14	1,5	90	30	11,2	529	1	1
1050031160150	3221910540432	MF16	1,5	102	32	12,5	529	1	1
1050031180150	3221910540463	MF18	1,5	104	29	14	529	1	1
1050031200150	3221910540517	MF20	1,5	104	29	14	529	1	1
1050031220150	3221910540531	MF22	1,5	113	38	16	529	1	1
1050031240150	3221910540555	MF24	1,5	120	45	18	529	1	1

SET OF 3 HSSEE [ASP] ISO HAND TAPS. SERIAL TYPE WITH PILOT.

JUEGO DE MACHOS DE MANO HSSEE (ASP) ISO. Nº1 CON GUÍA.

SERIE DI 3 MASCHI A MANO HSS-EE [ASP] ISO CON GUIDA.

HSS EE | BRIGHT UNCOATED | ISO 529 | x3 SET | C FORM | 6H | METRIC



Very high strength, universal application.

Muy alta resistencia, usos múltiples.

Altissima resistenza, polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

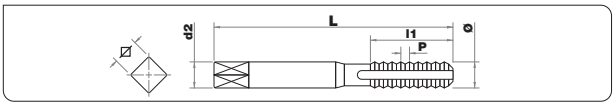
9501031	EAN	Ø	P	L	l	d2	ISO	QTY	PCB
950103100300050	8420609240348	M3	0,5	48	11	3,15	529	1	1
950103100400070	8420609240362	M4	0,7	53	13	4	529	1	1
950103100500080	8420609240379	M5	0,8	58	16	5	529	1	1
950103100600100	8420609240386	M6	1	66	19	6,3	529	1	1
950103100800125	8420609240409	M8	1,25	72	22	8	529	1	1
950103101000150	8420609240430	M10	1,5	80	24	10	529	1	1
950103101200175	8420609240447	M12	1,75	89	29	9	529	1	1
950103101400200	8420609240454	M14	2	95	30	11,2	529	1	1
950103101600200	8420609240461	M16	2	102	32	12,5	529	1	1

SET OF 3 HSS DIN HAND TAPS I T LINE

JUEGO DE 3 MACHOS DE MANO HSS DIN I T LINE

SERIE DI 3 MASCHI A MANO HSS ISO I T LINE

HSS | BRIGHT UNCOATED | DIN 352 | x3 SET | C FORM | 6H | METRIC



Steels hand tapping.

Roscado manual de aceros.

Filettatura manuale degli acciai.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

1050051	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
1050051030050	3221910551360	M3	0,5	40	11	3,5	352	1	1
1050051040070	3221910551384	M4	0,7	45	13	4,5	352	1	1
1050051050080	3221910551414	M5	0,8	50	15	6	352	1	1
1050051060100	3221910551445	M6	1	50	16	6	352	1	1
1050051070100	3221910551469	M7	1	50	19	6	352	1	1
1050051080125	3221910551483	M8	1,25	56	22	6	352	1	1
1050051100150	3221910551513	M10	1,5	70	24	7	352	1	1
1050051120175	3221910551544	M12	1,75	75	29	9	352	1	1
1050051140200	3221910551568	M14	2	80	30	11	352	1	1
1050051160200	3221910551575	M16	2	80	32	12	352	1	1
1050051180250	3221910551582	M18	2,5	95	40	16	352	1	1
1050051200250	3221910551599	M20	2,5	90	40	16	352	1	1
1050051220250	3221910551605	M22	2,5	100	40	18	352	1	1
1050051240300	3221910853310	M24	3	110	45	18	352	1	1
1050051270300	3221910853327	M27	3	110	50	20	352	1	1
1050051300350	3221910853334	M30	3,5	125	56	22	352	1	1

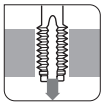
SET OF 3 HSS DIN HAND TAPS.

JUEGO DE 3 MACHOS DE MANO HSS DIN.

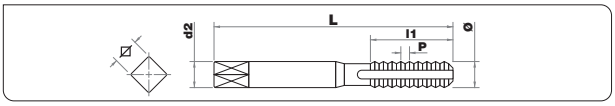
SERIE DI 3 MASCHI A MANO HSS DIN.

#03

HSS | BRIGHT UNCOATED | DIN 352



x3 SET | A FORM | 6H | METRIC



Multipurpose hand tapping. Robustness, accuracy.

Roscado manual multi-aplicación. Robustez, precisión.

Filettatura manuale multi-applicazione. Robustezza e precisione.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

1501511	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
150151100200040	3221912005168	M2	0,4	36	9	2,8	352	1	1
150151100250045	3221912005175	M2,5	0,45	40	10	2,8	352	1	1
150151100300050	3221912005182	M3	0,5	40	11	3,5	352	1	1
150151100350060	3221912005199	M3,5	0,6	45	13	4	352	1	1
150151100400070	3221912005205	M4	0,7	45	13	4,5	352	1	1
150151100500080	3221912005212	M5	0,8	50	15	6	352	1	1
150151100600100	3221912005229	M6	1	50	16	6	352	1	1
150151100700100	3221912005236	M7	1	50	19	6	352	1	1
150151100800125	3221912005243	M8	1,25	56	22	6	352	1	1
150151100900125	3221912005250	M9	1,25	63	22	6	352	1	1
150151101000150	3221912005267	M10	1,5	70	24	7	352	1	1
150151101100150	3221912005274	M11	1,5	70	24	8	352	1	1
150151101200175	3221912005281	M12	1,75	75	29	9	352	1	1
150151101400200	3221912005298	M14	2	80	30	11	352	1	1
150151101600200	3221912005304	M16	2	80	32	12	352	1	1
150151101800250	3221912005311	M18	2,5	95	40	14	352	1	1
150151102000250	3221912005328	M20	2,5	95	40	16	352	1	1
150151102200250	3221912005335	M22	2,5	100	40	18	352	1	1
150151102400300	3221912005342	M24	3	110	45	18	352	1	1
150151102700300	3221912005359	M27	3	110	50	20	352	1	1
150151103000350	3221912005366	M30	3,5	125	56	22	352	1	1
150151103300350	3221912005373	M33	3,5	125	56	25	352	1	1
150151103600400	3221912005380	M36	4	150	63	28	352	1	1
150151103900400	3221912005397	M39	4	150	63	32	352	1	1
150151104200450	3221912005403	M42	4,5	150	63	32	352	1	1
150151104500450	3221912005410	M45	4,5	160	70	36	352	1	1
150151105200500	3221912005427	M52	5	180	75	40	352	1	1

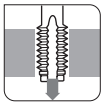
SET OF 3 HSS DIN HAND TAPS.

JUEGO DE 3 MACHOS DE MANO HSS DIN.

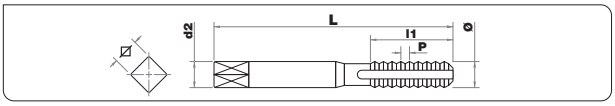
SERIE DI 3 MASCHI A MANO HSS DIN.

#03

HSS | STEAM TREATED | DIN 352



x3 SET | A FORM | 6H | METRIC



Multipurpose hand tapping. Robustness, accuracy.

Roscado manual multi-aplicación. Robustez, precisión.

Filettatura manuale multi-applicazione. Robustezza e precisione.

AB
Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

C
Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

H
Austenitic stainless steels
Aceros inoxidables austeniticos
Acciai inossidabili austenitici

IJ
Cast iron
Fundiciones
Ghisa

KLM
Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

P
Composite Plastics
Composites plásticos
Plastiche composite

9501011	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
950101100200040	8420609239175	M2	0,4	36	11,5	2,8	352	1	1
950101100250045	8420609239199	M2,5	0,45	40	12	2,8	352	1	1
950101100300050	8420609239212	M3	0,5	40	11	3,5	352	1	1
950101100350060	8420609239229	M3,5	0,6	45	12	4	352	1	1
950101100400070	8420609239243	M4	0,7	45	12,5	4,5	352	1	1
950101100400075	8420609239250	M4	0,75	45	12,5	4,5	352	1	1
950101100500080	8420609239274	M5	0,8	50	14,5	6	352	1	1
950101100600100	8420609239298	M6	1	50	15,5	6	352	1	1
950101100700100	8420609239304	M7	1	50	19	6	352	1	1
950101100800125	8420609239311	M8	1,25	56	22	6	352	1	1
950101100900125	8420609239328	M9	1,25	63	22	6	352	1	1
950101101000150	8420609239335	M10	1,5	70	24	7	352	1	1
950101101100150	8420609239342	M11	1,5	70	24	8	352	1	1
950101101200175	8420609239359	M12	1,75	75	29	9	352	1	1
950101101400200	8420609239373	M14	2	80	29	11	352	1	1
950101101600200	8420609239380	M16	2	80	31	12	352	1	1
950101101800250	8420609239397	M18	2,5	95	39	14	352	1	1
950101102000250	8420609239403	M20	2,5	95	39	16	352	1	1
950101102200250	8420609239410	M22	2,5	100	40	18	352	1	1
950101102400300	8420609239427	M24	3	110	45	18	352	1	1
950101102700300	8420609239434	M27	3	110	50	20	352	1	1
950101103000350	8420609239441	M30	3,5	125	56	22	352	1	1
950101103300350	8420609239458	M33	3,5	125	56	25	352	1	1
950101103600400	8420609239465	M36	4	150	63	28	352	1	1
950101103900400	8420609239472	M39	4	150	63	32	352	1	1
950101104200450	8420609239489	M42	4,5	150	63	32	352	1	1

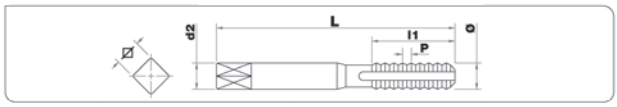
SET OF 3 HSS DIN HAND TAPS LEFT HAND.

JUEGO DE 3 MACHOS DE MANO HSS DIN IZQUIERDAS.

SERIE DI 3 MASCHI A MANO HSS DIN, ELICA SINISTRA.

HSS | BRIGHT UNCOATED | DIN 352

x3 SET | A FORM | METRIC



Multipurpose hand tapping. Robustness, accuracy.

Roscado manual multi-aplicación. Robustez, precisión.

Filettatura manuale multi-applicazione. Robustezza e precisione.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

9501081	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
950108100400070	8420609241192	M4	0,7	45	13	4,5	352	1	1
950108100500080	8420609241208	M5	0,8	50	15	6	352	1	1
950108100600100	8420609241215	M6	1	50	16	6	352	1	1
950108100800125	8420609241239	M8	1,25	56	22	6	352	1	1
950108101000150	8420609241253	M10	1,5	70	24	7	352	1	1
950108101200175	8420609241277	M12	1,75	75	29	9	352	1	1
950108101400200	8420609241284	M14	2	80	30	11	352	1	1
950108101600200	8420609241291	M16	2	80	32	12	352	1	1

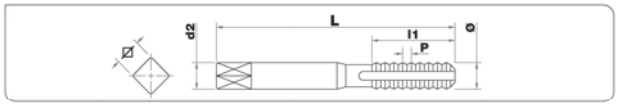
SET OF 2 HSS DIN HAND TAPS.

JUEGO DE 2 MACHOS DE MANO HSS DIN.

SERIE DI 2 MASCHI A MANO HSS DIN.

HSS | BRIGHT UNCOATED | DIN 2181

x2 SET | C FORM | 6H | METRIC FINE



Multipurpose hand tapping. Robustness, accuracy.

Roscado manual multi-aplicación. Robustez, precisión.

Filettatura manuale multi-applicazione. Robustezza e precisione.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

1501521	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
150152100400050	3221912005434	MF4	0,5	50	14,5	6	2181	1	1
150152100500050	3221912005441	MF5	0,5	50	11	6	2181	1	1
150152100600050	3221912005458	MF6	0,5	50	14	6	2181	1	1
150152100600075	3221912005465	MF6	0,75	50	14	6	2181	1	1
150152100700075	3221912005472	MF7	0,75	50	19	6	2181	1	1
150152100800075	3221912005489	MF8	0,75	50	18	6	2181	1	1
150152100800100	3221912005496	MF8	1	56	22	6	2181	1	1
150152101000100	3221912005502	MF10	1	63	18	7	2181	1	1
150152101000125	3221912005519	MF10	1,25	70	24	7	2181	1	1
150152101100100	3221912005526	MF11	1	63	20	8	2181	1	1
150152101200100	3221912005533	MF12	1	70	20	9	2181	1	1
150152101200125	3221912005557	MF12	1,25	70	20	9	2181	1	1
150152101200150	3221912005564	MF12	1,5	70	20	9	2181	1	1
150152101400100	3221912005571	MF14	1	70	22	11	2181	1	1
150152101400125	3221912005588	MF14	1,25	70	22	11	2181	1	1
150152101400150	3221912005595	MF14	1,5	70	22	11	2181	1	1
150152101600100	3221912005601	MF16	1	70	22	12	2181	1	1
150152101600150	3221912005618	MF16	1,5	70	22	12	2181	1	1
150152101800100	3221912005625	MF18	1	80	22	14	2181	1	1
150152101800150	3221912005632	MF18	1,5	80	22	14	2181	1	1

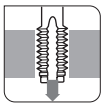
1501521	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
150152101800200	3221912005649	MF18	2	80	22	14	2181	1	1
150152102000100	3221912005656	MF20	1	80	22	16	2181	1	1
150152102000150	3221912005663	MF20	1,5	80	22	16	2181	1	1
150152102000200	3221912005670	MF20	2	80	22	16	2181	1	1
150152102200150	3221912005687	MF22	1,5	80	22	18	2181	1	1
150152102200200	3221912005694	MF22	2	80	22	18	2181	1	1
150152102400150	3221912005700	MF24	1,5	90	22	18	2181	1	1
150152102400200	3221912005717	MF24	2	90	22	18	2181	1	1
150152102700150	3221912005724	MF27	1,5	90	22	20	2181	1	1
150152102700200	3221912005731	MF27	2	90	22	18	2181	1	1
150152103000150	3221912005748	MF30	1,5	90	22	22	2181	1	1
150152103000200	3221912005755	MF30	2	90	22	22	2181	1	1

SET OF 2 HSS DIN HAND TAPS.

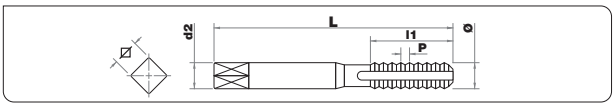
JUEGO DE 2 MACHOS DE MANO HSS DIN.

SERIE DI 2 MASCHI A MANO HSS DIN.

HSS · STEAM TREATED · DIN 2181



x2 SET · C FORM · 6H · METRIC FINE



Multipurpose hand tapping. Robustness, accuracy.

Roscado manual multi-aplicación. Robustez, precisión.

Filettatura manuale multi-applicazione. Robustezza e precisione.

AB — Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

C — Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

H — Austenitic stainless steels
Aceros inoxidables austeniticos
Acciai inossidabili austenitici

IJ — Cast iron
Fundiciones
Ghisa

KLM — Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

P — Composite Plastics
Composites plásticos
Plastiche composite

9501021	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
950102100500050	8420609239601	MF5	0,5	50	14,5	6	2181	1	1
950102100500075	8420609239618	MF5	0,75	50	15	6	2181	1	1
950102100600075	8420609239632	MF6	0,75	50	15,5	6	2181	1	1
950102100800075	8420609239656	MF8	0,75	50	22	6	2181	1	1
950102100800100	8420609239663	MF8	1	56	22	6	2181	1	1
950102101000100	8420609239700	MF10	1	63	18	7	2181	1	1
950102101000125	8420609239717	MF10	1,25	70	24	7	2181	1	1
950102101100100	8420609239731	MF11	1	63	20	8	2181	1	1
950102101100125	8420609239748	MF11	1,25	63	20	8	2181	1	1
950102101200100	8420609239755	MF12	1	70	20	9	2181	1	1
950102101200125	8420609239762	MF12	1,25	70	20	9	2181	1	1
950102101200150	8420609239779	MF12	1,5	70	20	9	2181	1	1
950102101400100	8420609239816	MF14	1	70	20	11	2181	1	1
950102101400125	8420609239823	MF14	1,25	70	20	11	2181	1	1
950102101400150	8420609239830	MF14	1,5	70	22	11	2181	1	1
950102101600100	8420609239878	MF16	1	70	22	12	2181	1	1
950102101600125	8420609239885	MF16	1,25	70	22	12	2181	1	1
950102101600150	8420609239892	MF16	1,5	70	22	12	2181	1	1
950102101800100	8420609239908	MF18	1	80	22	14	2181	1	1
950102101800125	8420609239915	MF18	1,25	80	22	14	2181	1	1
950102101800150	8420609239922	MF18	1,5	80	22	14	2181	1	1
950102101800200	8420609239946	MF18	2	80	22	14	2181	1	1
950102102000100	8420609239953	MF20	1	80	22	16	2181	1	1
950102102000150	8420609239977	MF20	1,5	80	22	16	2181	1	1
950102102000200	8420609239984	MF20	2	80	22	16	2181	1	1
950102102200150	8420609240010	MF22	1,5	80	22	18	2181	1	1
950102102200200	8420609240027	MF22	2	80	22	18	2181	1	1
950102102400150	8420609240041	MF24	1,5	90	22	18	2181	1	1
950102102400200	8420609240058	MF24	2	90	22	18	2181	1	1
950102102600150	8420609240089	MF26	1,5	90	22	20	2181	1	1
950102102700200	8420609240119	MF27	2	90	22	18	2181	1	1
950102103000150	8420609240157	MF30	1,5	90	22	22	2181	1	1
950102103000200	8420609240164	MF30	2	90	22	22	2181	1	1
950102103300200	8420609240201	MF33	2	100	25	25	2181	1	1

SET OF 3 HSS DIN HAND TAPS LEFT HAND.

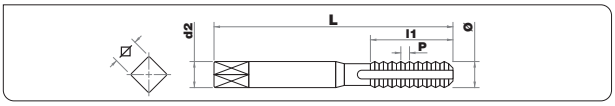
JUEGO DE 3 MACHOS DE MANO HSS DIN.

SERIE DI 3 MASCHI A MANO HSS DIN.

#03

HSS | BRIGHT UNCOATED | DIN 352

x3 SET | 6H | UNC



Multipurpose hand tapping. Robustness, accuracy.

Roscado manual multi-aplicación. Robustez, precisión.

Filettatura manuale multi-applicazione. Robustezza e precisione.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

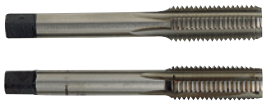
9521011	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
952101100002560	8420609249839	N°2	56	36	10	2,8	352	1	1
952101100003480	8420609249846	N°3	48	40	11	3,5	352	1	1
952101100004400	8420609249853	N°4	40	40	11	3,5	352	1	1
952101100005400	8420609249860	N°5	40	40	11	3,5	352	1	1
952101100006320	8420609249877	N°6	32	45	13	4	352	1	1
952101100008320	8420609249884	N°8	32	45	13	4	352	1	1
952101100010240	8420609249891	N°10	24	50	16	6	352	1	1
952101100012240	8420609249907	N°12	24	50	18	6	352	1	1
952101100140200	8420609249921	1/4	20	56	22	6	352	1	1
952101100516180	8420609249976	5/16	18	63	25	6	352	1	1
952101100380160	8420609249952	3/8	16	70	28	7	352	1	1
952101100716140	8420609249990	7/16	14	75	30	8	352	1	1
952101100120130	8420609249914	1/2	13	80	32	9	352	1	1
952101100916120	8420609250019	9/16	12	80	32	11	352	1	1
952101100580110	8420609249983	5/8	11	90	36	12	352	1	1
952101100340100	8420609249945	3/4	10	105	40	14	352	1	1
952101100780090	8420609250002	7/8	9	110	45	18	352	1	1
952101110000080	8420609250026	1"	8	110	50	20	352	1	1

SET OF 2 HSS DIN HAND TAPS.

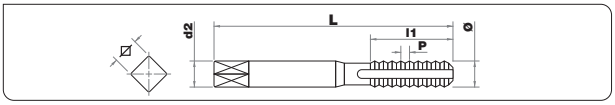
JUEGO DE 2 MACHOS DE MANO HSS DIN.

SERIE DI 2 MASCHI A MANO HSS DIN.

HSS | BRIGHT UNCOATED | DIN 2181



x2 SET | 6H | UNF



Multipurpose hand tapping. Robustness, accuracy.

Roscado manual multi-aplicación. Robustez, precisión.

Filettatura manuale multi-applicazione. Robustezza e precisione.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

9521021	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
952102100003560	8420609250163	N°3	56	40	11	3,5	2181	1	1
952102100004480	8420609250170	N°4	48	40	11	3,5	2181	1	1
952102100005440	8420609250187	N°5	44	40	11	3,5	2181	1	1
952102100006400	8420609250194	N°6	40	45	13	4	2181	1	1
952102100008360	8420609250200	N°8	36	45	13	4	2181	1	1
952102100010320	8420609250217	N°10	32	50	16	6	2181	1	1
952102100012280	8420609250224	N°12	28	50	18	6	2181	1	1
952102100140280	8420609250248	1/4	28	56	22	6	2181	1	1
952102100516240	8420609250279	5/16	24	63	25	6	2181	1	1
952102100380240	8420609250262	3/8	24	70	25	7	2181	1	1
952102100716200	8420609250293	7/16	20	75	30	8	2181	1	1

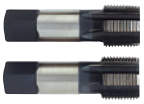
9521021	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
952102100120200	8420609250231	1/2	20	80	32	9	2181	1	1
952102100916180	8420609250316	9/16	18	90	32	12	2181	1	1
952102100580180	8420609250286	5/8	18	90	32	12	2181	1	1
952102100340160	8420609250255	3/4	16	105	35	14	2181	1	1
952102100780140	8420609250309	7/8	14	110	35	18	2181	1	1
952102110000120	8420609250323	1"	12	110	35	20	2181	1	1

SET OF 2 HSS DIN HAND TAPS.

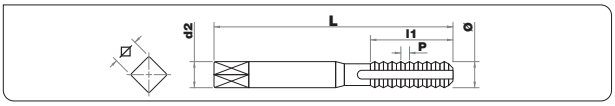
JUEGO DE 2 MACHOS DE MANO HSS DIN.

SERIE DI 2 MASCHI A MANO HSS DIN.

HSS | BRIGHT UNCOATED | DIN 5157 | x2 SET



BSP G



Multipurpose hand tapping. Robustness, accuracy.

Roscado manual multi-aplicación. Robustez, precisión.

Filettatura manuale multi-applicazione. Robustezza e precisione.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

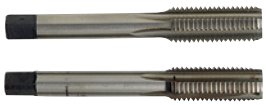
9531021	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
953102100180280	8420609252716	1/8	28	63	18	7	5157	1	1
953102100140190	8420609252709	1/4	19	70	20	11	5157	1	1
953102100380190	8420609252730	3/8	19	70	20	12	5157	1	1
953102100120140	8420609252693	1/2	14	80	22	16	5157	1	1
953102100580140	8420609252747	5/8	14	80	22	18	5157	1	1
953102100340140	8420609252723	3/4	14	90	22	20	5157	1	1
953102100780140	8420609252754	7/8	14	90	22	22	5157	1	1
953102110000110	8420609252761	1"	11	100	25	25	5157	1	1
953102110180110	8420609252792	1"1/8	11	125	32	28	5157	1	1
953102110140110	8420609252785	1"1/4	11	125	32	32	5157	1	1
953102110380110	8420609252815	1"3/8	11	125	32	36	5157	1	1
953102110120110	8420609252778	1"1/2	11	140	32	36	5157	1	1
953102120000110	8420609252822	2"	11	160	36	45	5157	1	1

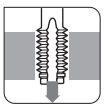
SET OF 2 HSS DIN HAND TAPS.

JUEGO DE 2 MACHOS DE MANO HSS DIN.

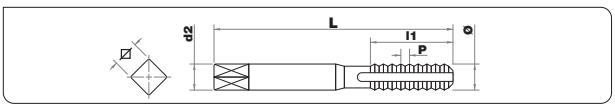
SERIE DI 2 MASCHI A MANO HSS DIN.

HSS | BRIGHT UNCOATED | DIN 2181 | x2 SET





BSF



Multipurpose hand tapping. Robustness, accuracy.

Roscado manual multi-aplicación. Robustez, precisión.

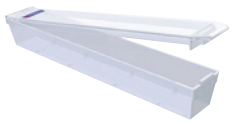
Filettatura manuale multi-applicazione. Robustezza e precisione.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

9511021	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
951102100140260	8420609248061	1/4	26	56	22	6	2181	1	1
951102100380200	8420609248092	3/8	20	70	28	7	2181	1	1
951102100716180	8420609248122	7/16	18	75	30	8	2181	1	1
951102100120160	8420609248054	1/2	16	80	32	9	2181	1	1
951102100916160	8420609248146	9/16	16	80	32	11	2182	1	1
951102100780110	8420609248139	7/8	19,5	45	18	14,5	2183	1	1
951102110000100	8420609248153	1"	10	110	50	20	2184	1	1



SET OF 3 HSS DIN HAND TAPS LEFT HAND.

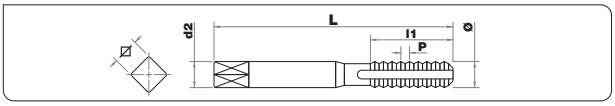
JUEGO DE 3 MACHOS DE MANO HSS DIN IZQUIERDAS.

SERIE DI 3 MASCHI A MANO HSS DIN.

#03

HSS | BRIGHT UNCOATED | DIN 352

x3 SET | BSW



Multipurpose hand tapping. Robustness, accuracy.

Roscado manual multi-aplicación. Robustez, precisión.

Filettatura manuale multi-applicazione. Robustezza e precisione.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

9511011	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
951101100180400	8420609247828	1/8	40	40	11	3,5	352	1	1
951101100532320	8420609247880	5/32	32	45	13	4,5	352	1	1
951101100316240	8420609247835	3/16	24	50	16	6	352	1	1
951101100732240	8420609247910	7/32	24	50	18	6	352	1	1
951101100140200	8420609247811	1/4	20	56	22	6	352	1	1
951101100516180	8420609247873	5/16	18	63	25	6	352	1	1
951101100380160	8420609247866	3/8	16	70	28	7	352	1	1
951101100716140	8420609247903	7/16	14	75	30	8	352	1	1
951101100120120	8420609247804	1/2	12	80	32	9	352	1	1
951101100916120	8420609247934	9/16	12	80	32	9	352	1	1
951101100580110	8420609247897	5/18	0	0	0	0	352	1	1
951101100340100	8420609247859	3/4	10	105	40	14	352	1	1
951101100780090	8420609247927	7/8	9	110	45	18	352	1	1
951101110000080	8420609247958	1"	8	110	50	20	352	1	1
951101110140070	8420609247972	1"1/4	7	125	56	25	352	1	1

TAP WRENCH.

GIRAMACHOS.

GIRAMASCHI CON CORPO E MANICO IN ACCIAIO.

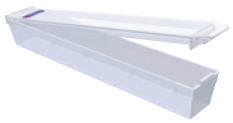
TIVOLY NORM

Robustness, life span.

Robustez, duración de vida.

Robustezza, lunga durata.

1110011	EAN	N°	M to M	QTY	PCB
11100110000	3221910548094	N°0	M1-6	1	1
11100110010	3221910548100	N°1	M3-8	1	1
11100110015	3221910548117	N°1,5	M3-12	1	1
11100110020	3221910548124	N°2	M4-14	1	1
11100110030	3221910548148	N°3	M6-20	1	1
11100110040	3221910548155	N°4	M9-27	1	1



TAP WRENCH WITH RATCHET.

PORTAMACHOS REVERSIBLE CON TRINQUETE.

PORTA MASCHI REVERSIBILE CON CRICCHETTO.

#03

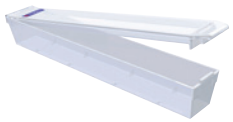
TIVOLY NORM

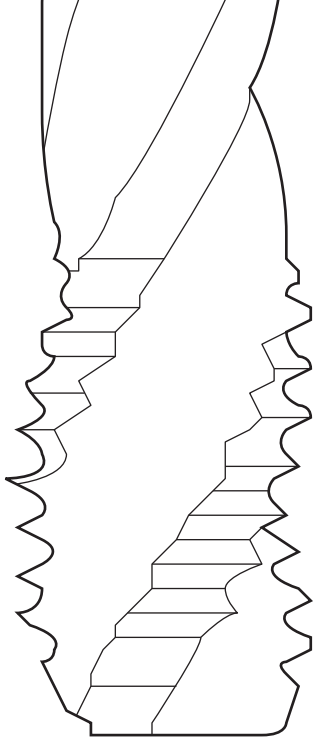
Special narrow access tapping.

especial para el roscado en lugares de difícil acceso.

Filettatura speciale negli spazi ristretti.

1110031	EAN	Ø	L	QTY	PCB
11100310001	3221910714529	2 - 5	85	1	1
11100310002	3221910714536	4,5 - 6,5	105	1	1
11100310003	3221910714543	2 - 5	250	1	1
11100310004	3221910714550	4,5 - 6,5	300	1	1





MANUAL 170
A MANO
A MANO.

M / MF #03
UNC / UNF
BSPG
BSW / BSF
Accessories. Accesorios. Accessori.

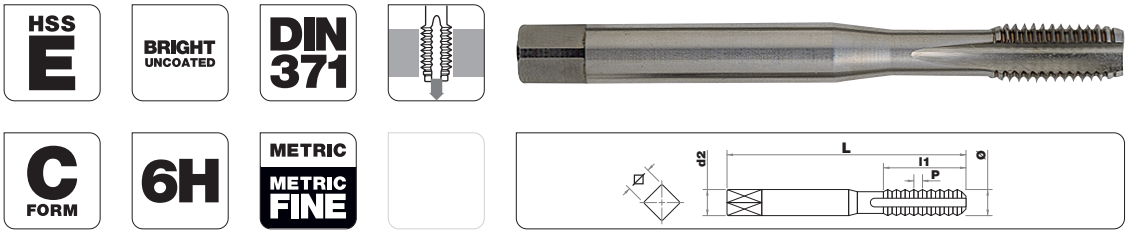
MACHINE 182
MÁQUINA
A MACCHINA

M / MF #03
UNC / UNF
BSPG
BSW / BSF
PG
NPT
BSPT / Rc

HSSE DIN MACHINE TAP STRAIGHT.

MACHO DE MÁQUINA HSSE DIN RECTO.

MASCHIO A MACCHINA HSS-E DIN DRITTO.



Metal tapping. Short filings. Robustness, accuracy.

Roscado de metales de viruta corta. Confort, precisión.

Filettatura dei metalli a truciolo corto. Robustezza e precisione.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

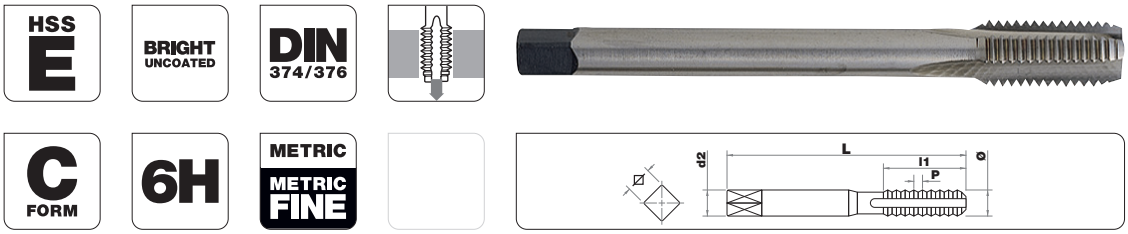
B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

9602011	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960201100200040	8420609297670	M2	0,4	45	8	2,8	371	1	1
960201100250045	8420609297694	M2,5	0,45	50	9	2,8	371	1	1
960201100260045	8420609297700	M2,6	0,45	50	9	2,8	371	1	1
960201100300050	8420609297717	M3	0,5	56	10	3,5	371	1	1
960201100350060	8420609297724	M3,5	0,6	56	11	4	371	1	1
960201100400070	8420609297762	M4	0,7	63	12	4,5	371	1	1
960201100500080	8420609297816	M5	0,8	70	14	6	371	1	1
960201100600100	8420609297854	M6	1	80	16	6	371	1	1
960201100800125	8420609297908	M8	1,25	90	18	8	371	1	1
960201101000150	8420609297960	M10	1,5	100	20	10	371	1	1
960201100400050	8420609297755	MF4	0,5	63	10	4,5	371	1	1
960201100500050	8420609297793	MF5	0,5	70	11	6	371	1	1
960201100700075	8420609297861	MF7	0,75	80	16	7	371	1	1
960201100800075	8420609297885	MF8	0,75	90	18	8	371	1	1
960201100800100	8420609297892	MF8	1	90	18	8	371	1	1
960201101000100	8420609297946	MF10	1,25	100	20	10	371	1	1
960201101000125	8420609297953	MF10	1,25	100	20	10	371	1	1

HSSE DIN MACHINE TAP STRAIGHT.

MACHO DE MÁQUINA HSSE DIN RECTO.

MASCHIO A MACCHINA HSS-E DIN DRITTO.



Metal tapping. Short filings. Robustness, accuracy.

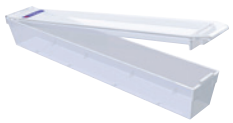
Roscado de metales de viruta corta. Confort, precisión.

Filettatura dei metalli a truciolo corto. Robustezza e precisione.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

9603011	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960301100300050	8420609303944	M3	0,4	45	8	2,2	376	1	1
960301100400070	8420609303982	M4	0,7	63	12	2,8	376	1	1
960301100500080	8420609304019	M5	0,8	70	14	3,5	376	1	1
960301100600100	8420609304040	M6	1	80	16	4,5	376	1	1
960301100800125	8420609304095	M8	1,25	90	18	6	376	1	1
960301101000150	8420609304163	M10	1,5	100	20	7	376	1	1
960301101200175	8420609304248	M12	1,75	110	22	9	376	1	1
960301101400200	8420609304323	M14	2	10	25	11	376	1	1
960301101600200	8420609304408	M16	2	110	28	12	376	1	1
960301102000250	8420609304507	M20	2,5	140	32	16	376	1	1
960301102400300	8420609304606	M24	3	160	32	18	376	1	1
960301103000350	8420609304729	M30	3,5	180	40	22	376	1	1



#03

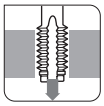
9603011	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960301103300350	8420609304774	M33	3,5	180	40	25	376	1	1
960301103600400	8420609304835	M36	4	200	45	28	376	1	1
960301103900400	8420609304873	M39	4	200	45	32	376	1	1
960301104200450	8420609304934	M42	4,5	200	50	32	376	1	1
960301104500450	8420609304972	M45	4,5	220	50	36	376	1	1
960301104800500	8420609304989	M48	5	250	56	36	376	1	1
960301100600075	8420609304033	MF6	0,75	80	12	4,5	376	1	1
960301100800100	8420609304088	MF8	1	90	18	8	374	1	1
960301101000100	8420609304149	MF10	1	90	18	7	374/376	1	1
960301101000125	8420609304156	MF10	1,25	100	20	7	374/376	1	1
960301101200100	8420609304217	MF12	1,25	100	22	9	374/376	1	1
960301101200125	8420609304224	MF12	1,5	100	22	9	374/376	1	1
960301101200150	8420609304231	MF12	1,5	100	22	9	374/376	1	1
960301101300100	8420609304255	MF13	1	100	22	9	374/376	1	1
960301101400100	8420609304293	MF14	1	100	22	11	374/376	1	1
960301101400150	8420609304316	MF14	1,5	100	22	11	374/376	1	1
960301101500100	8420609304330	MF15	1	100	22	11	374/376	1	1
960301101600100	8420609304378	MF16	1	100	22	12	374/376	1	1
960301101600125	8420609304385	MF16	1,25	100	22	12	374/376	1	1
960301101600150	8420609304392	MF16	1,5	110	22	12	374/376	1	1
960301101800150	8420609304439	MF18	1,5	110	22	12	374/376	1	1
960301102000100	8420609304460	MF20	1	125	25	14	374/376	1	1
960301102000150	8420609304484	MF20	1	125	25	16	374/376	1	1
960301102200100	8420609304514	MF22	1	125	25	18	374/376	1	1
960301102200150	8420609304538	MF22	1,5	125	25	18	374/376	1	1
960301102400200	8420609304590	MF24	2	140	25	18	374/376	1	1
960301102500150	8420609304613	MF25	1,5	140	25	18	374/376	1	1
960301102700200	8420609304668	MF27	2	140	25	18	374/376	1	1
960301103000200	8420609304712	MF30	2	150	32	22	374/376	1	1
960301103200150	8420609304736	MF32	1,5	150	28	28	374/376	1	1
960301103600150	8420609304804	MF36	1,5	170	32	28	374/376	1	1
960301104000150	8420609304880	MF40	1,5	170	32	32	374/376	1	1

HSS E DIN MACHINE TAP STRAIGHT FLUTE STEAM.

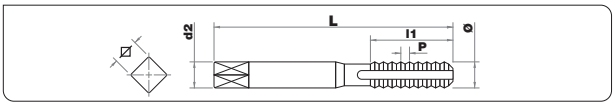
MACHO MÁQUINA HSSE DIN CANAL RECTO.STEAM.

MASCHIO A MACCHINA HSS DIN STEAM DRITTO.

HSS E | STEAM NIT TREATED | DIN 371



C FORM | 6H | METRIC FINE



Tap cast iron. Comfort, accuracy.

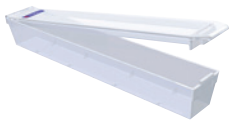
Fundición. Confort, precisión.

Filettatura ghise. Comfort e precisione.

I Grey cast iron
Fundición gris
ghisa grigia

J SG iron
Fundición nodular
Ghisa GS

9602411	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960241100300050	8420609301421	M3	0,5	56	10	3,5	371	1	1
960241100400070	8420609301469	M4	0,7	63	12	4,5	371	1	1
960241100500080	8420609301513	M5	0,8	70	14	6	371	1	1
960241100600100	8420609301551	M6	1	80	16	6	371	1	1
960241100800125	8420609301605	M8	1,25	90	18	8	371	1	1
960241101000150	8420609301674	M10	1,5	100	20	10	371	1	1
960241101000100	8420609301650	MF10	1	90	18	10	371	1	1
960241101000125	8420609301667	MF10	1,25	100	20	10	371	1	1



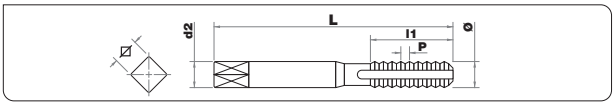
#03

HSS EE [ASP] DIN MACHINE TAP STRAIGHT FLUTE STEAM.

MACHO MÁQUINA HSSEE [ASP] DIN CANAL RECTO.STEAM.

MASCHIO A MACCHINA HSS-EE [ASP] DIN STEAM DRITTO.

HSS EE | STEAM NIT TREATED | DIN 371 | C FORM | 6H | METRIC FINE



Tap cast iron. Robustness, accuracy.

Fundición. Confort, precisión.

Filettatura ghise. Robustezza e precisione.

I — Grey cast iron / Fundición gris / ghisa grigia

J — SG iron / Fundición nodular / Ghisa GS

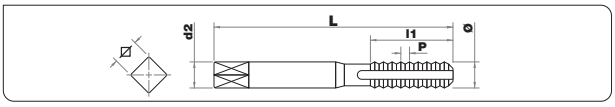
9605411	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960541100300050	8420609320767	M3	0,5	56	10	3,5	371	1	1
960541100350060	8420609320774	M3,5	0,6	56	11	4	371	1	1
960541100400070	8420609320781	M4	0,7	63	12	4,5	371	1	1
960541100500080	8420609320804	M5	0,8	70	14	6	371	1	1
960541100600100	8420609320811	M6	1	80	16	6	371	1	1
960541100800125	8420609320842	M8	1,25	90	18	8	371	1	1
960541101000150	8420609320880	M10	1,5	100	20	10	371	1	1
960541100800100	8420609320835	MF8	1	90	18	8	371	1	1
960541101000100	8420609320866	MF10	1	90	18	10	371	1	1

HSS EE [ASP] DIN MACHINE TAPS. STRAIGHT FLUTE STEAM.

MACHO MÁQUINA HSSEE [ASP] DIN CANAL RECTO.STEAM.

MASCHIO A MACCHINA HSS-EE [ASP] DIN STEAM DRITTO.

HSS EE | STEAM NIT TREATED | DIN 374/376 | C FORM | 6H | METRIC FINE



Tap cast iron. Robustness, accuracy.

Fundición. Confort, precisión.

Filettatura ghise. Robustezza e precisione.

I — Grey cast iron / Fundición gris / ghisa grigia

J — SG iron / Fundición nodular / Ghisa GS

9606411	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960641100600100	8420609326981	M6	1	80	16	4,5	376	1	1
960641100800125	8420609327025	M8	1,25	90	18	6	376	1	1
960641101000150	8420609327063	M10	1,5	100	20	7	376	1	1
960641101200175	8420609327117	M12	1,75	110	22	9	376	1	1
960641101400200	8420609327131	M14	2	110	25	11	376	1	1
960641101600200	8420609327155	M16	2	110	28	12	376	1	1
960641100800100	8420609327018	MF8	1	90	18	6	374	1	1
960641101000100	8420609327049	MF10	1	90	18	7	374	1	1
960641101200150	8420609327100	MF12	1,5	100	22	11	374	1	1
960641101400150	8420609327124	MF14	1,5	100	22	11	374	1	1
960641101600150	8420609327148	MF16	1,5	110	22	12	374	1	1

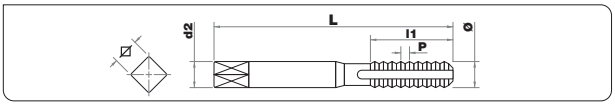
HSSEE (ASP) TICN DIN MACHINE TAPS. I FLASHCUT I , STRAIGHT FLUTE.

MACHO DE MÁQUINA HSSE (ASP) TICN I FLASHCUT I , RECTO.

MASCHIO A MACCHINA HSS-EE [ASP] TICN DIN I FLASHCUT I DRITTO.

HSS EE | TiCN COATED | DIN 371/374 376

C FORM | 6H | METRIC FINE



Designed for Cast iron. High Performance.

Diseñado para Fundicion. Alto rendimiento.

Concepito per le ghise. Alte prestazioni.

I Grey cast iron / Fundición gris / ghisa grigia

J SG iron / Fundición nodular / Ghisa GS

960CT11	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960CT1100300050	8420609526572	M3	0,5	56	10	3,5	371	1	1
960CT1100400070	8420609526589	M4	0,7	63	12	4,5	371	1	1
960CT1100500080	8420609526596	M5	0,8	70	14	6	371	1	1
960CT1100600100	8420609526602	M6	1	80	16	6	371	1	1
960CT1100800125	8420609526626	M8	1,25	90	18	8	371	1	1
960CT1101000150	8420609526633	M10	1,5	100	20	10	371	1	1
960CT1101200175	8420609526640	M12	1,75	110	22	9	376	1	1
960CT1101400200	8420609526657	M14	2	110	25	11	376	1	1
960CT1101600200	8420609526664	M16	2	110	28	12	376	1	1
960CT1100800100	8420609526619	MF8	1	90	18	8	371	1	1
960CT1101000100	8420609596247	MF10	1	90	18	10	371	1	1
960CT1101200150	8420609596254	MF12	1,5	100	22	9	374	1	1
960CT1101400150	8420609596261	MF14	1,5	100	22	11	374	1	1

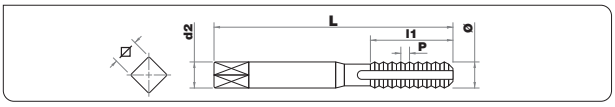
HSSE DIN MACHINE TAPS. I FLASH-CUT I , STRAIGHT.

MACHO DE MÁQUINA HSSE I FLASHCUT I , RECTO.

MASCHIO A MACCHINA HSS-E DIN I FLASHCUT I DRITTO.

HSS E | BRIGHT UNCOATED | DIN 371/374 376

C FORM | 6H | METRIC FINE



Designed for copper alloys. High Performance.

Diseñado para aleaciones de cobre. Alto rendimiento.

Concepito per le leghe di rame. Alte prestazioni.

N Brass / Latón / ottone

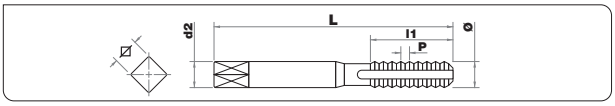
O Bronze / Bronce / Bronzo

960BT11	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960BT1100300050	8420609526480	M3	0,5	56	10	3,5	371	1	1
960BT1100400070	8420609526497	M4	0,7	63	12	4,5	371	1	1
960BT1100500080	8420609526503	M5	0,8	70	14	6	371	1	1
960BT1100600100	8420609526510	M6	1	80	16	6	371	1	1
960BT1100800125	8420609526527	M8	1,25	90	18	8	371	1	1
960BT1101000150	8420609526534	M10	1,5	100	20	10	371	1	1
960BT1101200175	8420609526541	M12	1,75	110	22	9	376	1	1
960BT1101400200	8420609526558	M14	2	110	25	111	376	1	1
960BT1101600200	8420609526565	M16	2	110	28	12	376	1	1
960BT1100800100	8420609596209	MF8	1	90	18	8	371	1	1
960BT1101000100	8420609596216	MF10	1	90	18	10	374	1	1
960BT1101200150	8420609596223	MF12	1,5	100	22	9	374	1	1
960BT1101400150	8420609596230	MF14	1,5	100	22	11	374	1	1

HSS ISO MACHINE TAP GUN BACK CHAMFER.

MACHO MÁQUINA GUN CONI. INVERSA.

MASCHIO A MACCHINA HSS ISO GUN.



Multi-application machine tapping. Comfort, accuracy.

Multi-aplicación. Confort, precisión.

Filettatura a macchina multiapplicazione. Comfort e precisione.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

H Austenitic stainless steels
Aceros inoxidables austeniticos
Acciai inossidabili austenitici

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

1050071	EAN	Ø	P	L	l	d2	ISO	QTY	PCB
1050071030050	3221910540654	M3	0,5	48	23	3,15	529	1	1
1050071035060	3221910540685	M3,5	0,6	50	20,5	3,55	529	1	1
1050071040070	3221910540708	M4	0,7	53	10	4	529	1	1
1050071050080	3221910540753	M5	0,8	58	11	5	529	1	1
1050071060075	3221910540784	M6	0,75	66	14	6,3	529	1	1
1050071070100	3221910540807	M7	1	66	18,5	7,1	529	1	1
1050071080125	3221910540845	M8	1,25	72	17,5	8	529	1	1
1050071090125	3221910540582	M9	1,25	72	22	8	529	1	1
1050071100150	3221910540920	M10	1,5	80	21	10	529	1	1
1050071120175	3221910540982	M12	1,75	89	29	9	529	1	1
1050071140200	3221910541033	M14	2	95	30	11,2	529	1	1
1050071160200	3221910541071	M16	2	102	32	12,5	529	1	1
1050071180250	3221910541118	M18	2,5	112	37	14	529	1	1
1050071200250	3221910541149	M20	2,5	112	37	14	529	1	1
1050071220250	3221910541163	M22	2,5	118	38	16	529	1	1
1050071240300	3221910541194	M24	3	130	45	18	529	1	1
1050071300350	3221910541255	M30	3,5	138	48	20	529	1	1
1050071030060	3221910540661	MF3	0,6	48	23	3,15	529	1	1
1050071040075	3221910540715	MF4	0,75	53	10	4	529	1	1
1050071050050	3221910540746	MF5	0,5	58	11	5	529	1	1
1050071060100	3221910540791	MF6	1	66	14	6,3	529	1	1
1050071080100	3221910540838	MF8	1	69	17,5	8	529	1	1
1050071090100	3221910540869	MF9	1	72	22	8	529	1	1
1050071100100	3221910540906	MF10	1	80	21	10	529	1	1
1050071100125	3221910540913	MF10	1,25	80	21	10	529	1	1
1050071120100	3221910540951	MF12	1	84	24	9	529	1	1
1050071120125	3221910540968	MF12	1,25	89	24	9	529	1	1
1050071120150	3221910540975	MF12	1,5	89	29	9	529	1	1
1050071140125	3221910541002	MF14	1,25	90	25	11,2	529	1	1
1050071140150	3221910541019	MF14	1,5	95	30	11,2	529	1	1
1050071160150	3221910541064	MF16	1,5	102	32	12,5	529	1	1
1050071180150	3221910541095	MF18	1,5	104	29	14	529	1	1

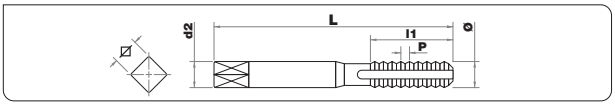
HSS ISO MACHINE TAP GUN INTERRUPTED THREADS.

MACHO MÁQUINA HSS ISO GUN DIENTE ALTERNO.

MASCHIO A MACCHINA HSS ISO GUN CON DENTI ALTERNATI.

HSS | BRIGHT UNCOATED | ISO 529

GUN B FORM | 6H | METRIC



Tap aluminium. Reduction of adhesive wear.

Roscado de aluminio. Reducción del desgaste adhesivo.

Filettatura dell'alluminio. Riduzione dell'usura adesiva.

K Fat aluminium alloys
Aleaciones de aluminio dúctil
Leghe di alluminio grasso

L Aluminium alloys Si<10%
Aleaciones de aluminio Si<10%
Leghe di alluminio grasso Si <10%

M Aluminium alloys Si>10%
Aleaciones de aluminio Si>10%
Leghe di alluminio Si >10%

1050091	EAN	Ø	P	L	l	d2	ISO	QTY	PCB
1050091030050	3221910677510	M3	0,5	48	14,5	3,15	529	1	1
1050091040070	3221910677541	M4	0,7	53	13	4	529	1	1
1050091050080	3221910677558	M5	0,8	58	16	5	529	1	1
1050091060100	3221910677572	M6	1	66	19	6,3	529	1	1
1050091080125	3221910677602	M8	1,25	72	22	8	529	1	1
1050091100150	3221910677633	M10	1,5	80	24	10	529	1	1
1050091120175	3221910677640	M12	1,75	89	29	9	529	1	1
1050091140200	3221910677657	M14	2	95	30	11,2	529	1	1
1050091160200	3221910677664	M16	2	102	32	12,5	529	1	1
1050091180250	3221910677671	M18	2,5	112	37	14	529	1	1
1050091200250	3221910677688	M20	2,5	112	37	14	529	1	1

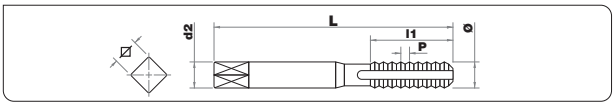
HSS DIN MACHINE TAP GUN I T LINE

MACHO MÁQUINA HSS DIN GUN I T LINE

MASCHIO A MACCHINA HSS DIN GUN I T LINE

HSS | BRIGHT UNCOATED | DIN 371/376

GUN B FORM | 6H | METRIC



Steel machine tapping.

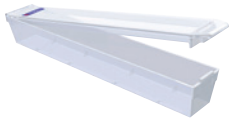
Roscado a máquina de aceros.

Filettatura a macchina degli acciai.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

1050081	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
1050081030050	3221910852450	M3	0,5	56	10	3,5	371	1	1
1050081040070	3221910852467	M4	0,7	63	12	4,5	371	1	1
1050081050080	3221910852474	M5	0,8	70	14	6	371	1	1
1050081060100	3221910852481	M6	1	80	16	6	371	1	1
1050081080125	3221910852498	M8	1,25	90	18	8	371	1	1
1050081100150	3221910852504	M10	1,5	100	20	10	371	1	1
1050081120175	3221910852511	M12	1,75	110	22	9	376	1	1
1050081140200	3221910852528	M14	2	110	25	11	376	1	1
1050081160200	3221910852535	M16	2	110	28	12	376	1	1
1050081180250	3221910852542	M18	2,5	125	32	14	376	1	1
1050081200250	3221910852559	M20	2,5	140	32	16	376	1	1

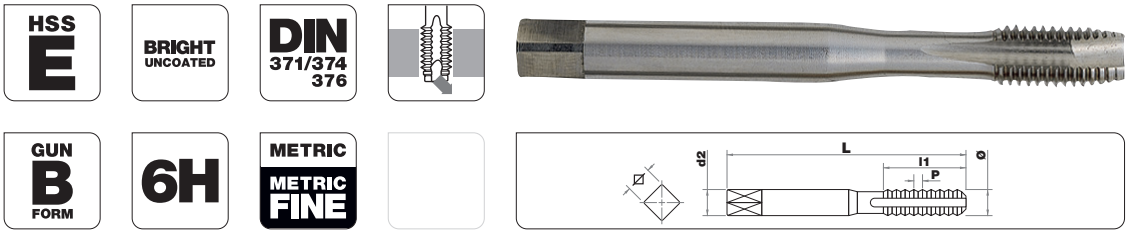


HSS DIN MACHINE TAP GUN.

MACHO MÁQUINA HSS DIN GUN.

MASCHIO A MACCHINA HSS DIN GUN.

#03



Steel machine tapping.

Roscado a máquina de aceros.

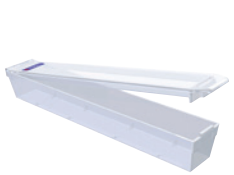
Filettatura a macchina degli acciai.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

1602521	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
160252100200040	3221912005762	M2	0,40	45	8	2,8	371	1	1
160252100250045	3221912005779	M2,5	0,45	50	9	2,8	371	1	1
160252100300050	3221912005786	M3	0,50	56	10	3,5	371	1	1
160252100400070	3221912005793	M4	0,70	63	12	4,5	371	1	1
160252100500080	3221912005809	M5	0,80	70	14	6	371	1	1
160252100600100	3221912005816	M6	1	80	16	6	371	1	1
160252100800100	3221912005823	MF8	1	90	16	8	371	1	1
160252100800125	3221912005830	M8	1,25	90	18	8	371	1	1
160252101000100	3221912005847	MF10	1	100	18	10	371	1	1
160252101000150	3221912005854	M10	1,5	100	20	10	371	1	1

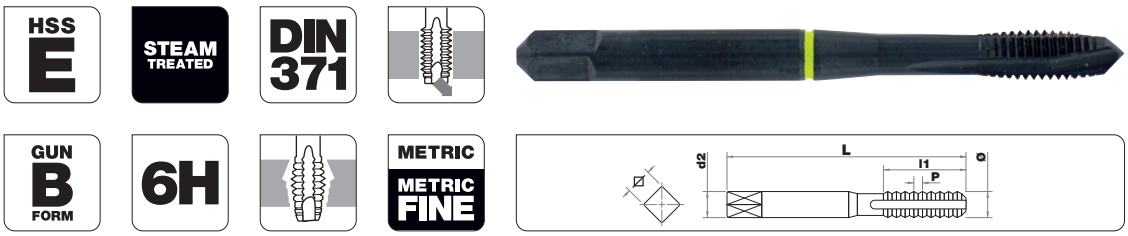
1603521	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
160352101200150	3221912005977	MF12	1,5	100	22	9	374	1	1
160352101200175	3221912005984	M12	1,75	110	22	9	376	1	1
160352101400150	3221912005991	MF14	1,5	100	22	11	374	1	1
160352101400200	3221912006004	M14	2	110	25	11	376	1	1
160352101600200	3221912006011	M16	2	110	28	12	376	1	1
160352101800250	3221912006028	M18	2,5	125	32	14	376	1	1
160352102000250	3221912006035	M20	2,5	140	32	16	376	1	1
160352102400300	3221912006042	M24	3	160	32	18	376	1	1
160352102700300	3221912006059	M27	3	160	36	20	376	1	1
160352103000350	3221912006066	M30	3,5	180	40	22	376	1	1
160352103300350	3221912006073	M33	3,5	180	40	25	376	1	1



HSS E DIN MACHINE TAP GUN BACK CHAMFER.

MACHO MÁQUINA HSS E DIN GUN CONI. INVERSA.

MASCHIO A MACCHINA HSS DIN GUN.



Multi-application machine tapping. Comfort, accuracy.

Multi-aplicación. Confort, precisión.

Filettatura a macchina multiapplicazione. Comfort e precisione.

AB
Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

C
Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

H
Austenitic stainless steels
Aceros inoxidables austeniticos
Acciai inossidabili austenitici

IJ
Cast iron
Fundiciones
Ghisa

KLM
Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

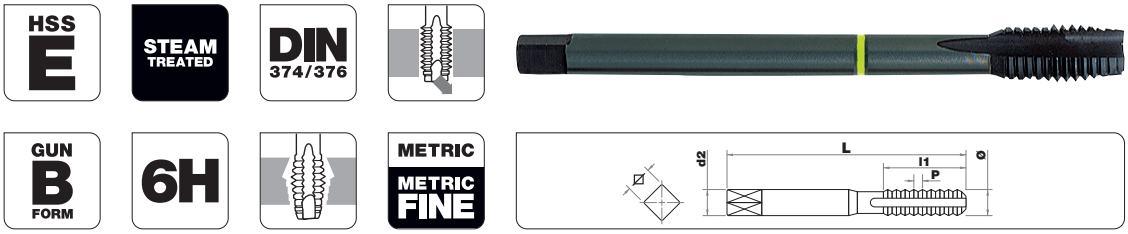
P
Composite Plastics
Composites plásticos
Plastiche composite

9602021	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960202100200040	8420609297991	M2	0,4	45	10	2,8	371	1	1
960202100250045	8420609298004	M2,5	0,45	50	10	2,8	371	1	1
960202100300050	8420609298028	M3	0,5	56	7	3,5	371	1	1
960202100350060	8420609298035	M3,5	0,6	56	8,4	4	371	1	1
960202100400070	8420609298066	M4	0,7	63	10	4,5	371	1	1
960202100500080	8420609298110	M5	0,8	70	11,2	6	371	1	1
960202100600100	8420609298158	M6	1	80	14	6	371	1	1
960202100700100	8420609298172	M7	1	80	14	7	371	1	1
960202100800125	8420609298202	M8	1,25	90	17,5	8	371	1	1
960202100900125	8420609298226	M9	1,25	90	17,5	8	371	1	1
960202101000150	8420609298264	M10	1,5	100	21	10	371	1	1
960202100400050	8420609298059	MF4	0,5	63	10	4,5	371	1	1
960202100500050	8420609298097	MF5	0,5	70	11,2	6	371	1	1
960202100600075	8420609298141	MF6	0,75	80	14	6	371	1	1
960202100800075	8420609298189	MF8	0,75	90	17,5	8	371	1	1
960202100800100	8420609298196	MF8	1	90	17,5	8	371	1	1
960202101000100	8420609298240	MF10	1	90	21	10	371	1	1
960202101000125	8420609298257	MF10	1,25	100	21	10	371	1	1

HSS E DIN MACHINE TAP GUN BACK CHAMFER.

MACHO MÁQUINA HSS E DIN GUN CONI. INVERSA.

MASCHIO A MACCHINA HSS DIN GUN.



Multi-application machine tapping. Comfort, accuracy.

Multi-aplicación. Confort, precisión.

Filettatura a macchina multiapplicazione. Comfort e precisione.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

H Austenitic stainless steels
Aceros inoxidables austeníticos
Acciai inossidabili austenitici

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

P Composite Plastics
Composites plásticos
Plastiche composite

9603021	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960302100300050	8420609305085	M3	0,5	56	10	2,7	376	1	1
960302100400070	8420609305115	M4	0,7	63	12	2,8	376	1	1
960302100500080	8420609305153	M5	0,8	70	13,5	3,5	376	1	1
960302100600100	8420609305184	M6	1	80	15,5	4,5	376	1	1
960302100800125	8420609305245	M8	1,25	90	17	6	376	1	1
960302101000150	8420609305313	M10	1,5	100	20	7	376	1	1
960302101200175	8420609305382	M12	1,75	110	22	9	376	1	1
960302101400200	8420609305467	M14	2	110	25	11	376	1	1
960302101600200	8420609305535	M16	2	110	28	12	376	1	1
960302101800250	8420609305580	M18	2,5	125	32	14	376	1	1
960302102000250	8420609305634	M20	2,5	140	32	16	376	1	1
960302102200250	8420609305689	M22	2,5	140	32	18	376	1	1
960302102400300	8420609305726	M24	3	160	32	18	376	1	1
960302102700300	8420609305788	M27	3	160	36	20	376	1	1
960302103000350	8420609305849	M30	3,5	180	40	22	376	1	1
960302103300350	8420609305894	M33	3,5	180	40	25	376	1	1
960302103600400	8420609305955	M36	4	200	45	28	376	1	1
960302103900400	8420609305986	M39	4	200	45	32	376	1	1
960302104200450	8420609306051	M42	4,5	200	50	32	376	1	1
960302104800500	8420609306105	M48	5	250	56	36	376	1	1
960302100800100	8420609305238	MF8	1	90	18	6	374	1	1
960302101000100	8420609305290	MF10	1	90	18	7	374	1	1
960302101000125	8420609305306	MF10	1,25	100	20	7	374	1	1
960302101100125	8420609305337	MF11	1,25	100	20	7	374	1	1
960302101200100	8420609305351	MF12	1	100	22	9	374	1	1
960302101200125	8420609305368	MF12	1,25	100	22	9	374	1	1
960302101200150	8420609305375	MF12	1,5	100	22	9	374	1	1
960302101400100	8420609305436	MF14	1	100	22	11	374	1	1
960302101400125	8420609305443	MF14	1,25	100	22	11	374	1	1
960302101400150	8420609305450	MF14	1,5	100	22	11	374	1	1
960302101500150	8420609305498	MF15	1,5	100	22	11	374	1	1
960302101600100	8420609305504	MF16	1	100	22	12	374	1	1
960302101600125	8420609305511	MF16	1,25	100	22	12	374	1	1
960302101600150	8420609305528	MF16	1,5	110	22	12	374	1	1
960302101800100	8420609305542	MF18	1	110	25	14	374	1	1
960302101800150	8420609305566	MF18	1,5	110	25	14	374	1	1
960302101800200	8420609305573	MF18	2	125	28	14	374	1	1
960302102000100	8420609305597	MF20	1	125	25	16	374	1	1
960302102000150	8420609305610	MF20	1,5	125	25	16	374	1	1
960302102000200	8420609305627	MF20	2	140	25	16	374	1	1
960302102200150	8420609305665	MF22	1,5	125	25	18	374	1	1
960302102200200	8420609305672	MF22	2	140	28	18	374	1	1
960302102400150	8420609305702	MF24	1,5	140	25	18	374	1	1
960302102400200	8420609305719	MF24	2	140	25	18	374	1	1
960302102500150	8420609305733	MF25	1,5	140	25	18	374	1	1
960302102600150	8420609305740	MF26	1,5	140	25	18	374	1	1
960302102700150	8420609305764	MF27	1,5	140	25	18	374	1	1
960302102800150	8420609305795	MF28	1,5	140	28	20	374	1	1
960302103000150	8420609305818	MF30	1,5	150	32	22	374	1	1
960302103000200	8420609305825	MF30	2	150	32	22	374	1	1
960302103200150	8420609305856	MF32	1,5	150	28	22	374	1	1

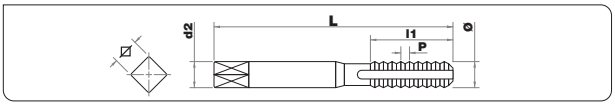
9603021	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960302103600150	8420609305924	MF36	1,5	170	32	28	374	1	1
960302103600200	8420609305931	MF36	2	170	32	28	374	1	1
960302103600300	8420609305948	MF36	3	170	32	28	374	1	1

HSSE TIN DIN MACHINE TAPS. I FLASHCUT I .

MACHO DE MÁQUINA HSSE TIN. I FLASHCUT I , GUN.

MASCHIO A MACCHINA HSS-E TIN DIN I FLASHCUT I GUN.

HSS E | TiN COATED | DIN 371/374 376 | GUN B FORM | 6H | METRIC METRIC FINE



Designed for Steels < 950 N/mm². High Performance.

Diseñado para aceros < 950 N/mm². Alto rendimiento.

Concepito per gli acciai <950 N/mm². Alte prestazioni.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

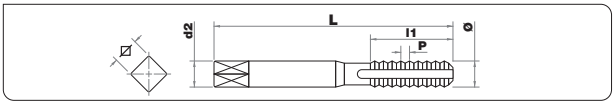
960ST21	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960ST2100300050	8420609526954	M3	0,5	56	10	3,5	371	1	1
960ST2100400070	8420609526961	M4	0,7	63	12	4,5	371	1	1
960ST2100500080	8420609526978	M5	0,8	70	14	6	371	1	1
960ST2100600100	8420609526985	M6	1	80	16	6	371	1	1
960ST2100800125	8420609526992	M8	1,25	90	18	8	371	1	1
960ST2101000150	8420609527005	M10	1,5	100	20	10	371	1	1
960ST2101200175	8420609527012	M12	1,75	110	22	9	376	1	1
960ST2101400200	8420609527029	M14	2	110	25	11	376	1	1
960ST2101600200	8420609527043	M16	2	110	28	12	376	1	1
960ST2100800100	8420609596391	MF8	1	90	18	8	371	1	1
960ST2101000100	8420609596407	MF10	1	90	18	10	371	1	1
960ST2101200150	8420609596414	MF12	1,5	100	22	9	374	1	1
960ST2101400150	8420609596421	MF14	1,5	100	22	11	374	1	1

MACHINE TAPPING. PRODUCTION. METRIC/METRIC FINE PITCH.

MACHO MÁQUINA HSS EE [ASP] DIN GUN.

MASCHIO A MACCHINA HSS-EE [ASP] DIN GUN.

HSS EE | BRIGHT UNCOATED | DIN 371 | GUN B FORM | 6H | METRIC METRIC FINE



HSS EE [ASP] DIN machine tap GUN.

Diseñado para aceros < 950 N/mm². Alto rendimiento.

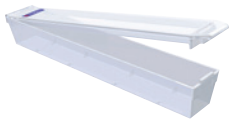
Filettatura degli acciai <950 N/mm². Robustezza e precisione.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

9605021	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960502100200040	8420609317880	M2	0,4	45	8	2,8	371	1	1
960502100250045	8420609317897	M2,5	0,45	50	9	2,8	371	1	1
960502100300050	8420609317903	M3	0,5	56	10	3,5	371	1	1
960502100350060	8420609317910	M3,5	0,6	56	11	4	371	1	1
960502100400070	8420609317934	M4	0,7	63	12	4,5	371	1	1
960502100500080	8420609317965	M5	0,8	70	14	6	371	1	1
960502100600100	8420609317989	M6	1	80	16	6	371	1	1
960502100700100	8420609317996	M7	1	80	16	7	371	1	1
960502100800125	8420609318023	M8	1,25	90	18	8	371	1	1
960502101000150	8420609318078	M10	1,5	100	20	10	371	1	1
960502100800100	8420609318016	MF8	1	90	18	8	371	1	1



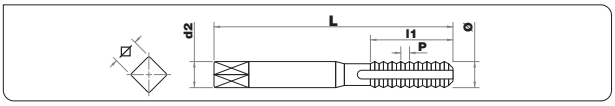
9605021	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960502101000100	8420609318054	MF10	1	90	18	10	371	1	1

HSS EE [ASP] DIN MACHINE TAP GUN.

MACHO MÁQUINA HSS EE [ASP] DIN GUN.

MASCHIO A MACCHINA HSS-EE [ASP] DIN GUN.

HSS EE | BRIGHT UNCOATED | DIN 374/376 | GUN B FORM | 6H | METRIC FINE



Steel tapping < 950 N/mm². Robustness, accuracy.

Diseñado para aceros < 950 N/mm². Alto rendimiento.

Filettatura degli acciai <950 N/mm². Robustezza e precisione.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

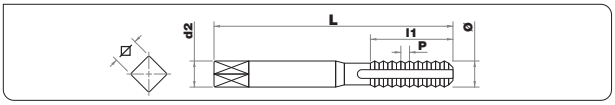
9606021	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960602100300050	8420609323508	M3	0,45	50	9	2,2	376	1	1
960602100400070	8420609323515	M4	0,7	63	12	2,8	376	1	1
960602100500080	8420609323522	M5	0,8	70	14	3,5	376	1	1
960602100600100	8420609323539	M6	1	80	16	4,5	376	1	1
960602100800125	8420609323560	M8	1,25	90	18	6	376	1	1
960602101000150	8420609323607	M10	1,5	100	20	7	376	1	1
960602101200175	8420609323652	M12	1,75	110	22	9	376	1	1
960602101400200	8420609323683	M14	2	110	25	11	376	1	1
960602101600200	8420609323713	M16	2	110	28	12	376	1	1
960602101800250	8420609323737	M18	2,5	125	32	14	376	1	1
960602100800100	8420609323553	MF8	1	90	18	6	374	1	1
960602101000100	8420609323584	MF10	1	90	18	7	374	1	1
960602101200150	8420609323645	MF12	1,5	100	22	9	374	1	1
960602101400150	8420609323676	MF14	1,5	100	22	11	374	1	1
960602101600150	8420609323706	MF16	1,5	110	22	12	374	1	1
960602101800150	8420609558221	MF18	1,5	110	25	14	374	1	1

HSS EE [ASP] DIN MACHINE TAPS. GUN STEAM BACK CHAMFER.

MACHO MÁQUINA HSS EE [ASP] DIN. GUN STEAM. CONICIDAD TRASERA.

MASCHIO A MACCHINA HSS-EE [ASP] DIN STEAM GUN.

HSS EE | STEAM TREATED | DIN 371 | GUN B FORM | 6H | METRIC FINE



Stainless steel tapping. Robustness, accuracy.

Roscado de Inoxidables. Robustez, precisión.

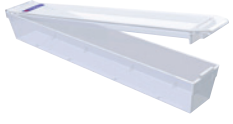
Filettatura acciai inossidabili. Robustezza e precisione.

CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

ARCo ARNi Ni / Co based special alloys
Aleaciones refractarias Co / Ni
Leghe refrattarie Co / Ni

9605821	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960582100200040	8420609557460	M2	0,4	45	8	2,8	371	1	1
960582100250045	8420609438042	M2,5	0,45	50	9	2,8	371	1	1
960582100300050	8420609322204	M3	0,5	56	10	2,5	371	1	1
960582100350060	8420609322211	M3,5	0,6	56	11	4	371	1	1
960582100400070	8420609322228	M4	0,7	63	12	4,5	371	1	1
960582100500080	8420609322235	M5	0,8	70	14	6	371	1	1
960582100600100	8420609322242	M6	1	80	16	6	371	1	1
960582100800125	8420609322273	M8	1,25	90	18	8	371	1	1
960582101000150	8420609322297	M10	1,5	100	20	10	371	1	1
960582100800100	8420609322266	MF8	1	90	18	8	371	1	1
960582101000100	8420609322280	MF10	1	90	18	10	371	1	1



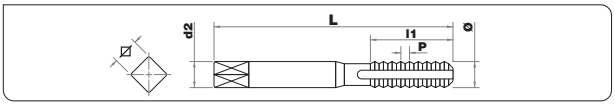
HSS EE [ASP] DIN MACHINE TAPS. GUN STEAM BACK CHAMFER.

MACHO MÁQUINA HSS EE [ASP] DIN. GUN STEAM CONICIDAD TRASERA.

MASCHIO A MACCHINA HSS-EE [ASP] DIN STEAM GUN.

HSS EE | STEAM TREATED | DIN 374/376

GUN B FORM | 6H | METRIC FINE



Stainless steel tapping. Robustness, accuracy.

Roscado de Inoxidables. Robustez, precisión.

Filettatura acciai inossidabili. Robustezza e precisione.

CDE — Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH — Stainless Steel
Aceros inoxidables
Acciai inossidabili

ARCo ARNi — Ni / Co based special alloys
Aleaciones refractarias Co / Ni
Leghe refrattarie Co / Ni

9606821	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960682100600100	8420609328183	M6	1	80	16	4,5	376	1	1
960682100800125	8420609328213	M8	1,25	90	18	6	376	1	1
960682101000150	8420609328244	M10	1,5	100	20	7	376	1	1
960682101200175	8420609328282	M12	1,75	110	22	9	376	1	1
960682101400200	8420609328305	M14	2	110	25	11	376	1	1
960682101600200	8420609328329	M16	2	110	28	12	376	1	1
960682101800250	8420609328343	M18	2,5	125	32	14	376	1	1
960682102000250	8420609328350	M20	2,5	140	32	16	376	1	1
960682102400300	8420609328398	M24	3	160	32	18	376	1	1
960682100800100	8420609328206	MF8	1	90	18	6	374	1	1
960682101000100	8420609328220	MF10	1	90	18	7	374	1	1
960682101200150	8420609328275	MF12	1,5	100	22	9	374	1	1
960682101400150	8420609328299	MF14	1,5	100	22	11	374	1	1
960682101600150	8420609328312	MF16	1,5	110	22	12	374	1	1

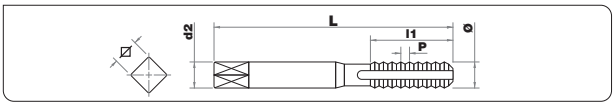
HSSEE (ASP) TICN-MP. DIN MACHINE TAPS I FLASHCUT I . BACK CHAMFER.

MACHO DE MÁQUINA HSSE (ASP) TICNMP I FLASHCUT I . CONI. INVERSA, GUN.

MASCHIO A MACCHINA HSS-EE TICN MP DIN I FLASHCUT I GUN.

HSS EE | TiCN MP COATED | DIN 371/374 376

GUN B FORM | 6H | METRIC FINE



Designed for exotic materials (Inox, Ni/Co, Ti). High Performance.

Diseñado para materiales exóticos (Inox, Ni/Co, Ti). Alto rendimiento.

Concepito per materiali esotici [inox, Ni/Co, Ti]. Alte prestazioni.

CDE — Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH — Stainless Steel
Aceros inoxidables
Acciai inossidabili

ARCo ARNi Ti — Ni / Co based special alloys & Titanium
Aleaciones refractarias Co / Ni y Titanio
Leghe refrattarie Co / Ni i titanio

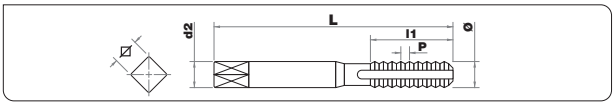
960IT21	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960IT2100300050	8420609526688	M3	0,5	56	10	3,5	371	1	1
960IT2100400070	8420609526695	M4	0,7	63	12	4,5	371	1	1
960IT2100500080	8420609526701	M5	0,8	70	14	6	371	1	1
960IT2100600100	8420609526718	M6	1	80	16	6	371	1	1
960IT2100800125	8420609526725	M8	1,25	90	18	8	371	1	1
960IT2101000150	8420609526732	M10	1,5	100	20	10	371	1	1
960IT2101200175	8420609526749	M12	1,75	110	22	9	376	1	1
960IT2101400200	8420609526756	M14	2	110	25	11	376	1	1
960IT2101600200	8420609526763	M16	2	110	28	12	376	1	1
960IT2100800100	8420609596278	MF8	1	90	18	8	371	1	1
960IT2101000100	8420609596285	MF10	1	90	18	10	371	1	1
960IT2101200150	8420609596292	MF12	1,5	100	22	9	374	1	1
960IT2101400150	8420609596308	MF14	1,5	100	22	11	374	1	1

HSS EE [ASP] DIN MACHINE TAP GUN INTERRUPTED THREADS.

MACHO DE MÁQUINA HSS EE [ASP] DIN. GUN DIENTE ALTERNO.

MASCHIO A MACCHINA HSS-EE [ASP] DIN DENTI ALTERNATI GUN.

HSS EE | BRIGHT UNCOATED | DIN 371 | GUN B FORM | 6H | METRIC



Aluminium tapping. Reduction of adhesive wear. Robustness.

Roscado de aluminio. Reducción del desgaste adhesivo. Robustez.

Filettatura alluminio. Riduzione dell'usura adesiva. Robustezza.

K Fat aluminium alloys
Aleaciones de aluminio dúctil
Leghe di alluminio grasso

L Aluminium alloys Si<10%
Aleaciones de aluminio Si<10%
Leghe di alluminio grasso Si <10%

M Aluminium alloys Si>10%
Aleaciones de aluminio Si>10%
Leghe di alluminio Si >10%

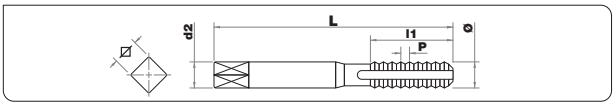
9605081	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960508100300050	8420609318788	M3	0,5	56	10	3,5	371	1	1
960508100400070	8420609318801	M4	0,7	63	12	4,5	371	1	1
960508100500080	8420609318818	M5	0,8	70	14	6	371	1	1
960508100600100	8420609318832	M6	1	80	16	6	371	1	1
960508100700100	8420609318849	M7	1	80	16	7	371	1	1
960508100800125	8420609318863	M8	1,25	90	18	8	371	1	1
960508101000150	8420609318894	M10	1,5	100	20	10	371	1	1

HSS EE [ASP] DIN MACHINE TAP GUN INTERRUPTED THREADS.

MACHO DE MÁQUINA HSSE (ASP) DIN. DIENTE ALTERNO, GUN.

MASCHIO A MACCHINA HSS-EE [ASP] DIN DENTI ALTERNATI.

HSS EE | BRIGHT UNCOATED | DIN 374/376 | GUN B FORM | 6H | METRIC



Aluminium tapping. Reduction of adhesive wear. Robustness.

Roscado de aluminio. Reducción del desgaste adhesivo. Robustez.

Filettatura alluminio. Riduzione dell'usura adesiva. Robustezza.

K Fat aluminium alloys
Aleaciones de aluminio dúctil
Leghe di alluminio grasso

L Aluminium alloys Si<10%
Aleaciones de aluminio Si<10%
Leghe di alluminio grasso Si <10%

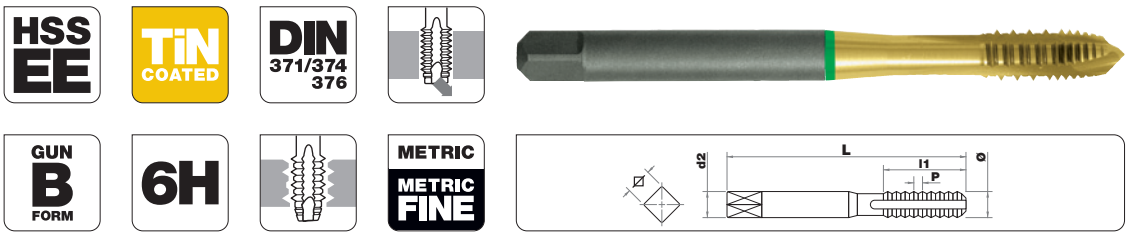
M Aluminium alloys Si>10%
Aleaciones de aluminio Si>10%
Leghe di alluminio Si >10%

9606081	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960608100600100	8420609324840	M6	1	80	16	4,5	376	1	1
960608100800125	8420609324871	M8	1,25	90	18	8	376	1	1
960608101000150	8420609324901	M10	1,5	100	20	7	376	1	1
960608101200175	8420609324932	M12	1,75	110	22	9	376	1	1
960608101400200	8420609324956	M14	2	110	25	11	376	1	1
960608101600200	8420609324970	M16	2	110	28	12	376	1	1

HSSEE (ASP) TIN. DIN MACHINE TAPS | FLASHCUT | . INTERRUPTED THREADS.

MACHO DE MÁQUINA HSSEE (ASP) TIN | FLASHCUT | . DIENTE ALTERNO, GUN.

MASCHIO A MACCHINA HSS-EE [ASP] TIN DIN | FLASHCUT | DENTI ALTERNATI GUN.



Designed for Aluminium alloys. High Performance.

Diseñado para Aleaciones de aluminio. Alto rendimiento.

Concepito per le leghe di alluminio. Alte prestazioni.

K Fat aluminium alloys
Aleaciones de aluminio dúctil
Leghe di alluminio grasso

L Aluminium alloys Si<10%
Aleaciones de aluminio Si<10%
Leghe di alluminio grasso Si <10%

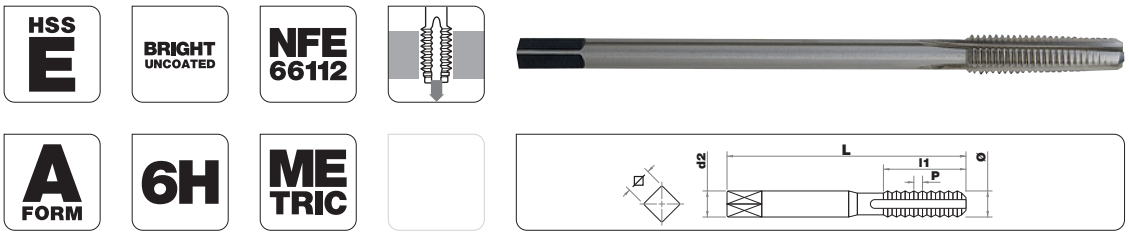
M Aluminium alloys Si>10%
Aleaciones de aluminio Si>10%
Leghe di alluminio Si >10%

960AT21	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960AT2100300050	8420609526213	M3	0,5	56	10	3,5	371	1	1
960AT2100400070	8420609526220	M4	0,7	63	12	4,5	371	1	1
960AT2100500080	8420609526237	M5	0,8	70	14	6	371	1	1
960AT2100600100	8420609526244	M6	1	80	16	6	371	1	1
960AT2100800125	8420609526251	M8	1,25	90	18	8	371	1	1
960AT2101000150	8420609526268	M10	1,5	100	20	10	371	1	1
960AT2101200175	8420609526275	M12	1,75	110	22	9	376	1	1
960AT2101400200	8420609526282	M14	2	110	28	11	376	1	1
960AT2101600200	8420609526299	M16	2	110	28	12	376	1	1
960AT2100800100	8420609596087	MF8	1	90	18	8	371	1	1
960AT2101000100	8420609596094	MF10	1	90	18	10	371	1	1
960AT2101200150	8420609596100	MF12	1,5	100	22	9	374	1	1
960AT2101400150	8420609596117	MF14	1,5	100	22	11	374	1	1

HSSE NFE MACHINE TAPS LONG STRAIGHT.

MACHO DE MÁQUINA HSSE NFE LARGO. RECTO.

MASCHIO A MACCHINA HSS-EE NFE LUNGO DRITTO.



Multi-application machine tapping. Deep access.

Roscado a máquina multiaplicación. Accesos profundos.

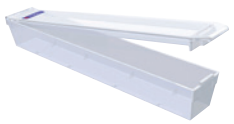
Filettatura a macchina multiapplicazione. Imbocco lungo.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

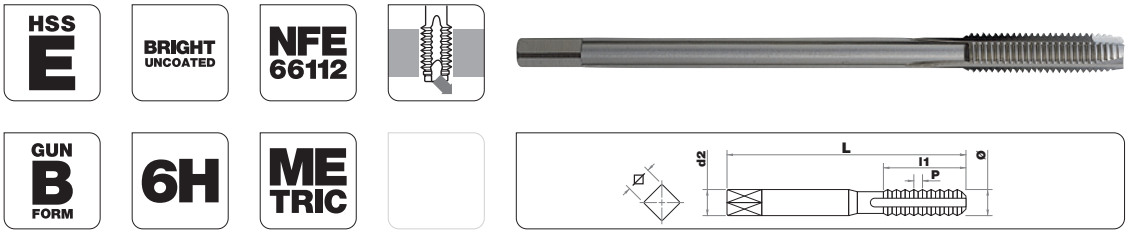
9704601	EAN	Ø	P	L	l	d2	NFE	QTY	PCB
970460100300050	8420609615689	M3	0,5	90	19	2,1	66112	1	1
970460100400070	8420609615696	M4	0,7	100	20	2,9	66112	1	1
970460100500080	8420609615702	M5	0,8	110	25	3,7	66112	1	1
970460100600100	8420609615719	M6	1	120	27	4,5	66112	1	1
970460100800125	8420609615726	M8	1,25	135	32	6,2	66112	1	1
970460101000150	8420609615733	M10	1,5	150	38	7,6	66112	1	1
970460101200175	8420609615740	M12	1,75	165	43	9	66112	1	1
970460101400200	8420609615757	M14	2	180	50	10,5	66112	1	1
970460101600200	8420609615764	M16	2	190	50	12,5	66112	1	1



HSSE NFE MACHINE TAP LONG STRAIGHT.

MACHO DE MÁQUINA HSSE NFE LARGO. GUN.

MASCHIO A MACCHINA HSS-E NFE LUNGO GUN.



Multi-application machine tapping. Deep access. Comfort, accuracy.

Roscado a máquina multi-aplicación. Rosc. Profundos. Confort, precis.

Filettatura macchina multiapp. Imbocco lungo. Comfort e precisione.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

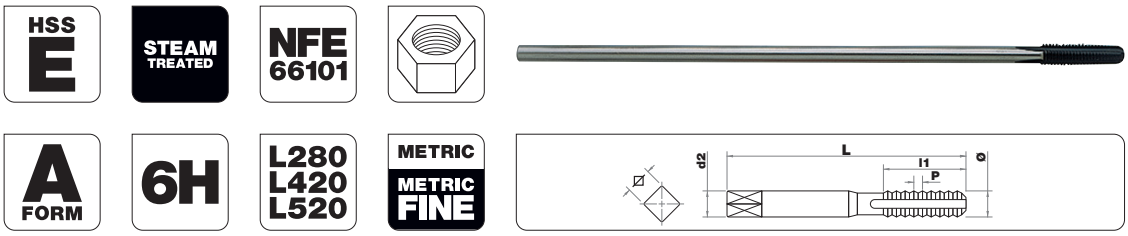
CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

9704611	EAN	Ø	P	L	l	d2	NFE	QTY	PCB
970461100300050	8420609615771	M3	0,5	90	19	2,1	66112	1	1
970461100400070	8420609615788	M4	0,7	100	20	2,9	66112	1	1
970461100500080	8420609615795	M5	0,8	110	25	3,7	66112	1	1
970461100600100	8420609615801	M6	1	120	27	4,5	66112	1	1
970461100800125	8420609615818	M8	1,25	135	32	6,2	66112	1	1
970461101000150	8420609615825	M10	1,5	150	38	7,6	66112	1	1
970461101200175	8420609615832	M12	1,75	165	43	9	66112	1	1

HSSE NFE MACHINE TAP LONG 280-520 STRAIGHT.

MACHOS DE MÁQUINA HSSE NFE L 280-520 RECTO.

MASCHIO A MACCHINA HSS-E NFE L 280-520.



Serial machine tapping.

Roscado a máquina en serie.

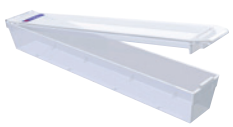
Filettatura a macchina in continuo.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

9704011	EAN	Ø	P	L	l	d2	NFE	QTY	PCB
970401100300050	8420609364952	M3	0,5	280	12,5	2,3	66101	1	1
970401100400070	8420609364983	M4	0,7	280	18	2,9	66101	1	1
970401100500080	8420609365027	M5	0,8	280	20	3,8	66101	1	1
970401100600100	8420609365058	M6	1	280	25	4,5	66101	1	1
970401100700100	8420609365072	M7	1	280	25	5,5	66101	1	1
970401100800125	8420609365102	M8	1,25	280	32	6,1	66101	1	1
970401101000150	8420609365171	M10	1,5	280	38	7,7	66101	1	1
970401101200175	8420609365249	M12	1,75	420	44	9,3	66101	1	1
970401101400200	8420609365317	M14	2	420	50	10,9	66101	1	1
970401101600200	8420609365386	M16	2	520	50	12,9	66101	1	1
970401101800250	8420609365423	M18	2,5	520	63	14,1	66101	1	1
970401102000250	8420609365461	M20	2,5	520	63	16,1	66101	1	1
970401102200250	8420609365515	M22	2,5	520	63	18	66101	1	1
970401102400300	8420609365553	M24	3	520	75	19,3	66101	1	1
970401100600075	8420609365041	MF6	0,75	280	25	4,5	66101	1	1
970401100800100	8420609365096	MF8	1	280	32	6,1	66101	1	1
970401101000100	8420609365157	MF10	1	280	38	7,7	66101	1	1
970401101200125	8420609365225	MF12	1,25	420	38	10,1	66101	1	1
970401101200150	8420609365232	MF12	1,5	420	44	9,6	66101	1	1
970401101400150	8420609365300	MF14	1,5	420	50	11,8	66101	1	1



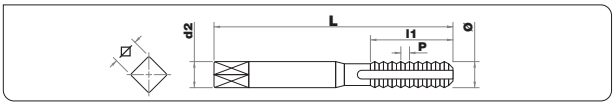
9704011	EAN	Ø	P	L	l	d2	NFE	QTY	PCB
970401102000150	8420609365447	MF20	1,5	520	63	17,8	66101	1	1
970401102200150	8420609365492	MF22	1,5	520	63	19,8	66101	1	1
970401102400150	8420609365539	MF24	1,5	520	75	21,8	66101	1	1

HSSE DIN MACHINE TAP SPIRAL FLUTE 15°.

MACHO DE MÁQUINA HSSE DIN HELICOIDAL 15°.

MASCHIO A MACCHINA HSS-E DIN ELICA 15°.

HSS E | BRIGHT UNCOATED | DIN 371 | C FORM | 15° | 6H | METRIC FINE



High strength steel tapping. Shallow holes. Robustness.

Roscado de aceros resistentes. Orificios poco profundos. Robustez.

Filettatura degli acciai resistenti. Fori poco profondi. Robustezza.

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

D Heat Treatable Steels <1200N/mm²
Aceros aleados y tratados < 1200N/mm²
Acciai per trattamento termico <1200N/mm²

E Heat Treatable Steels <1400N/mm²
Aceros aleados y tratados < 1400N/mm²
Acciai per trattamento termico <1400N/mm²

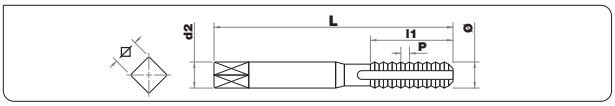
9602031	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960203100200040	8420609298318	M2	0,4	45	8	2,1	371	1	1
960203100300050	8420609298332	M3	0,5	56	10	3,5	371	1	1
960203100400070	8420609298363	M4	0,7	63	12	4,5	371	1	1
960203100500080	8420609298400	M5	0,8	70	14	6	371	1	1
960203100600100	8420609298431	M6	1	80	16	6	371	1	1
960203100700100	8420609298455	M7	1	80	16	7	371	1	1
960203100800125	8420609298486	M8	1,25	90	18	8	371	1	1
960203100900125	8420609298509	M9	1,25	90	18	9	371	1	1
960203101000150	8420609298547	M10	1,5	100	20	10	371	1	1
960203100500075	8420609298394	MF5	0,75	70	12	6	371	1	1
960203100800100	8420609298479	MF8	1	90	18	8	371	1	1

HSSE DIN MACHINE TAP SPIRAL FLUTE 15°.

MACHO DE MÁQUINA HSSE DIN HELICOIDAL 15°.

MASCHIO A MACCHINA HSS-E DIN ELICA 15°.

HSS E | BRIGHT UNCOATED | DIN 374/376 | C FORM | 15° | 6H | METRIC FINE



High strength steel tapping. Shallow holes. Robustness.

Roscado de aceros resistentes. Orificios poco profundos. Robustez.

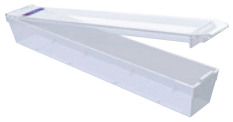
Filettatura degli acciairesistenti. Fori poco profondi. Robustrezza.

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

D Heat Treatable Steels <1200N/mm²
Aceros aleados y tratados < 1200N/mm²
Acciai per trattamento termico <1200N/mm²

E Heat Treatable Steels <1400N/mm²
Aceros aleados y tratados < 1400N/mm²
Acciai per trattamento termico <1400N/mm²

9603031	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960303100400070	8420609306204	M4	0,7	63	12	2,8	376	1	1
960303100500080	8420609306235	M5	0,8	70	14	3,5	376	1	1
960303100600100	8420609306266	M6	1	80	16	4,5	376	1	1
960303100800125	8420609306327	M8	1,25	90	18	6	376	1	1
960303101000150	8420609306396	M10	1,5	100	20	7	376	1	1
960303101200100	8420609306433	M12	1,75	110	22	9	376	1	1
960303101400200	8420609306549	M14	2	110	25	11	376	1	1
960303101600200	8420609306617	M16	2	110	28	12	376	1	1
960303101800250	8420609306662	M18	2,5	125	32	14	376	1	1
960303102000250	8420609306716	M20	2,5	140	32	16	376	1	1
960303102200250	8420609306754	M22	2,5	140	32	18	376	1	1
960303102400300	8420609306808	M24	3	160	32	18	376	1	1

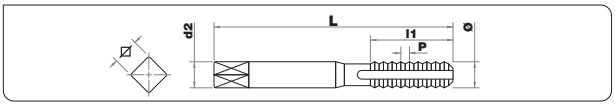


9603031	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960303102700300	8420609306860	M27	3	160	36	20	376	1	1
960303103000350	8420609306914	M30	3,5	180	40	22	376	1	1
960303100800100	8420609306310	MF8	1	90	18	6	374	1	1
960303101000100	8420609306372	MF10	1	90	18	7	374	1	1
960303101000125	8420609306389	MF10	1,25	100	20	7	374	1	1
960303101200175	8420609306464	MF12	1	100	22	9	374	1	1
960303101200125	8420609306440	MF12	1,25	100	22	9	374	1	1
960303101200150	8420609306457	MF12	1,5	100	22	9	374	1	1
960303101400100	8420609306518	MF14	1	100	22	11	374	1	1
960303101400125	8420609306525	MF14	1,25	100	22	11	374	1	1
960303101400150	8420609306532	MF14	1,5	100	22	11	374	1	1
960303101600150	8420609306600	MF16	1,5	110	22	12	374	1	1
960303101800150	8420609306648	MF18	1,5	110	25	14	374	1	1
960303102000150	8420609306693	MF20	1,5	125	25	16	374	1	1
960303102200150	8420609306730	MF22	1,5	125	25	18	374	1	1
960303102400150	8420609306785	MF24	1,5	140	25	18	374	1	1
960303102400200	8420609306792	MF24	2	140	25	18	374	1	1
960303103000150	8420609306891	MF30	1,5	150	32	22	374	1	1

HSS ISO MACHINE TAP SPIRAL FLUTE 35° BACK CHAMFER.

MACHO DE MÁQUINA HSS ISO HELICOIDAL 35° CONI. INVERSA.

MASCHIO A MACCHINA HSS ISO ELICA 35°.



Multi-application machine tapping.
Comfort, accuracy.

Roscado a máquina multi-aplicación..
Confort, precisión.

Filettatura a macchina multiapplicazione.
Comfort e precisione.

AB
Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

C
Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

H
Austenitic stainless steels
Aceros inoxidables austeniticos
Acciai inossidabili austenitici

IJ
Cast iron
Fundiciones
Ghisa

KLM
Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

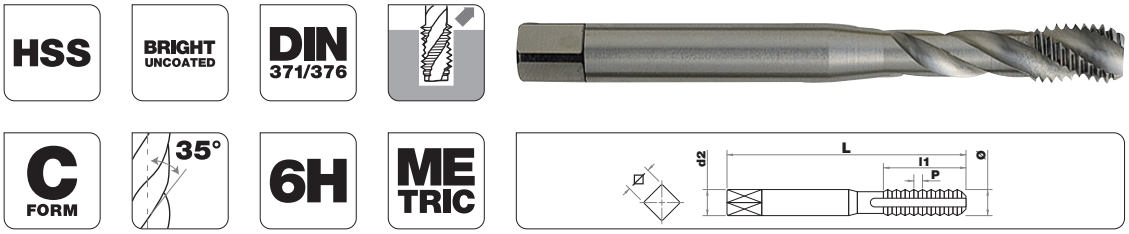
P
Composite Plastics
Composites plásticos
Plastiche composite

1050121	EAN	Ø	P	L	l	d2	ISO	QTY	PCB
1050121030050	3221910678050	M3	0,5	48	23	3,15	529	1	1
1050121040070	3221910678074	M4	0,7	53	10	4	529	1	1
1050121050080	3221910678098	M5	0,8	58	11	5	529	1	1
1050121060100	3221910678104	M6	1	66	14	6,3	529	1	1
1050121080125	3221910678128	M8	1,25	72	17,5	8	529	1	1
1050121100150	3221910678142	M10	1,5	80	21	10	529	1	1
1050121120175	3221910678159	M12	1,75	89	16	9	529	1	1
1050121140200	3221910678166	M14	2	95	18	11,2	529	1	1
1050121160200	3221910678173	M16	2	102	18	12,5	529	1	1
1050121180250	3221910678180	M18	2,5	112	25	14	529	1	1
1050121200250	3221910678197	M20	2,5	112	25	14	529	1	1

HSS DIN MACHINE TAP SPIRAL FLUTE 35° | T LINE

MACHO DE MÁQUINA HSS DIN HELICOIDAL 35° | T LINE

MASCHIO A MACCHINA HSS DIN ELICA 35° | T LINE



Steel machine tapping.

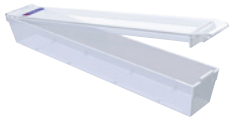
Rosacado a máquina de aceros.

Filettatura a macchina degli acciai.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

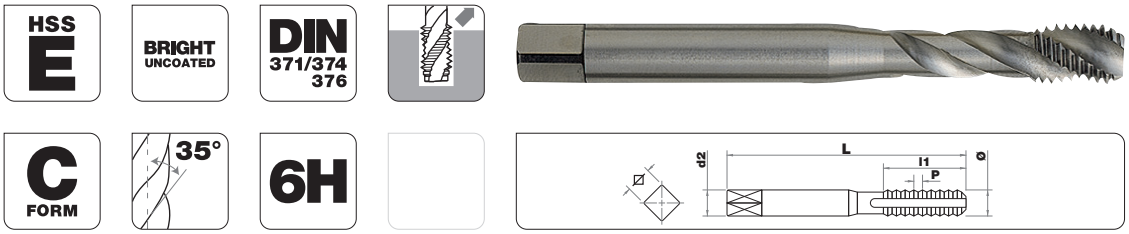
1050101	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
1050101030050	3221910852566	M3	0,5	56	5	3,5	371	1	1
1050101040070	3221910852573	M4	0,7	63	7	4,5	371	1	1
1050101050080	3221910852580	M5	0,8	70	9	6	371	1	1
1050101060100	3221910852597	M6	1	80	10	6	371	1	1
1050101080125	3221910852603	M8	1,25	90	12	8	371	1	1
1050101100150	3221910852610	M10	1,5	100	14	10	371	1	1
1050101120175	3221910852627	M12	1,75	110	16	9	376	1	1
1050101140200	3221910852634	M14	2	110	18	11	376	1	1
1050101160200	3221910852641	M16	2	110	18	12	376	1	1
1050101180250	3221910852658	M18	2,5	125	25	14	376	1	1
1050101200250	3221910852665	M20	2,5	140	25	16	376	1	1



HSS DIN MACHINE TAP SPIRAL FLUTE 35°.

MACHO DE MÁQUINA HSS DIN HELICOIDAL 35°.

MASCHIO A MACCHINA HSS DIN ELICA 35°.



Steel machine tapping.

Rosacado a máquina de aceros.

Filettatura a macchina degli acciai.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

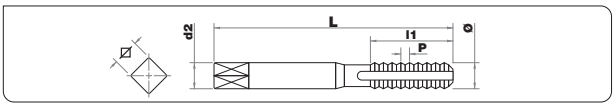
1602551	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
160255100200040	3221912005861	M2	0,4	45	8	2,8	371	1	1
160255100250045	3221912005175	M2,5	0,45	50	5	2,8	371	1	1
160255100300050	3221912005885	M3	0,5	50	5	3,5	371	1	1
160255100400070	3221912005892	M4	0,7	63	7	4,5	371	1	1
160255100500080	3221912005908	M5	0,8	70	9	6	371	1	1
160255100600100	3221912005915	M6	1	80	10	6	371	1	1
160255100800100	3221912005922	MF8	1	90	10	8	371	1	1
160255100800125	3221912005939	M8	1,25	90	12	8	371	1	1
160255101000100	3221912005946	MF10	1	100	14	10	371	1	1
160255101000150	3221912005953	M10	1,5	100	14	10	371	1	1

1603551	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
160355101200150	3221912006080	MF12	1,5	100	14	9	374	1	1
160355101200175	3221912006097	M12	1,75	110	16	9	376	1	1
160355101400150	3221912006103	MF14	1,50	100	18	11	374	1	1
160355101400200	3221912006110	M14	2	110	18	11	376	1	1
160355101600200	3221912006127	M16	2	110	18	12	376	1	1
160355101800250	3221912006134	M18	2,5	125	25	14	376	1	1
160355102000250	3221912006141	M20	2,5	140	25	16	376	1	1
160355102400300	3221912006158	M24	3	160	30	18	376	1	1
160355102700300	3221912006165	M27	2	160	30	20	376	1	1
160355103000350	3221912006172	M30	2,5	180	35	22	376	1	1
160355103300350	3221912006189	M33	2,5	180	40	25	376	1	1

HSSE DIN MACHINE TAP SPIRAL FLUTE 35° BACK CHAMFER.

MACHO DE MÁQUINA HSSE DIN HELICOIDAL 35° CONI. INVERSA.

MASCHIO A MACCHINA HSS-E DIN ELICA 35°.



Multi-application machine tapping. Comfort, accuracy.

Multi-aplicación. Confort, precisión.

Filettatura a macchina multiapplicazione. Comfort e precisione.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

H Austenitic stainless steels
Aceros inoxidables austeniticos
Acciai inossidabili austenitici

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

P Composite Plastics
Composites plásticos
Plastiche composite

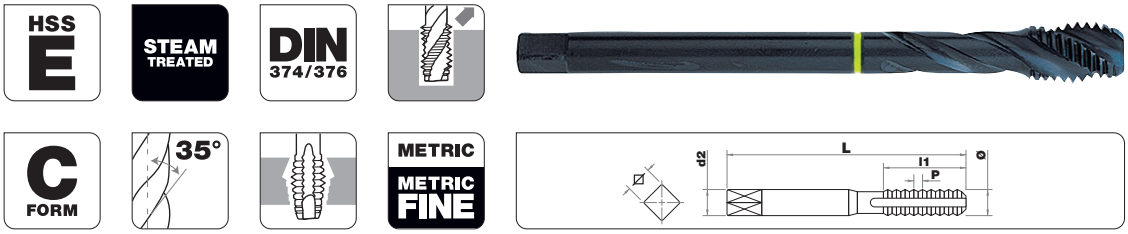
9602051	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960205100200040	8420609298769	M2	0,4	45	10	2,8	371	1	1
960205100250045	8420609298776	M2,5	0,45	50	10	2,8	371	1	1
960205100300050	8420609298783	M3	0,5	50	7	2,8	371	1	1
960205100350060	8420609298790	M3,5	0,6	56	8,4	4	371	1	1
960205100400070	8420609298813	M4	0,7	63	10	4,5	371	1	1
960205100500080	8420609298868	M5	0,8	70	11,2	6	371	1	1
960205100600100	8420609298899	M6	1	80	14	6	371	1	1
960205100700100	8420609298912	M7	1	80	14	7	371	1	1
960205100800125	8420609298943	M8	1,25	90	17,5	8	371	1	1
960205100900125	8420609298967	M9	1,25	90	17,5	9	371	1	1
960205100800100	8420609298936	MF8	1	90	17,5	8	371	1	1
960205101000150	8420609299001	M10	1,5	100	21	10	371	1	1
960205101000100	8420609298981	MF10	1	90	21	6	371	1	1
960205101000125	8420609298998	MF10	1,25	100	21	10	371	1	1

HSSE DIN MACHINE TAP SPIRAL FLUTE 35° BACK CHAMFER.

MACHO DE MÁQUINA HSSE DIN HELICOIDAL 35° CONI. INVERSA.

MASCHIO A MACCHINA HSS-E DIN ELICA 35°.

#03



Multi-application machine tapping. Comfort, accuracy.

Multi-aplicación. Confort, precisión.

Filettatura a macchina multiapplicazione. Comfort e precisione.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

C Heat Treatable Steels <950N/mm²
Aceros aleados y tratados < 950N/mm²
Acciai per trattamento termico <950N/mm²

H Austenitic stainless steels
Aceros inoxidables austeniticos
Acciai inossidabili austenitici

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

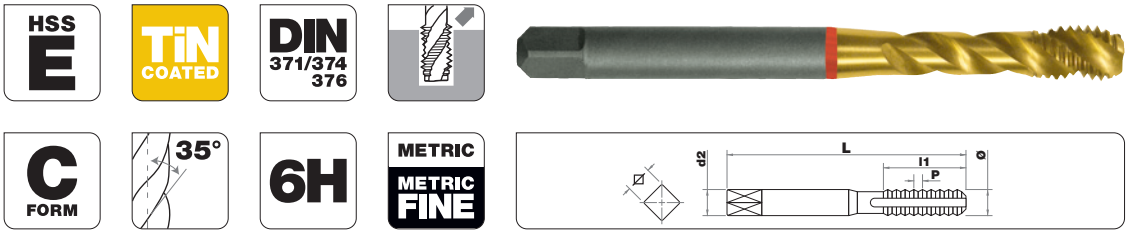
P Composite Plastics
Composites plásticos
Plastiche composite

9603051	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960305100400070	8420609307393	M4	0,7	63	7	2,8	376	1	1
960305100500080	8420609307423	M5	0,8	70	8,5	3,5	376	1	1
960305100600100	8420609307454	M6	1	80	9,5	3,5	376	1	1
960305100800125	8420609307508	M8	1,25	90	12	6	376	1	1
960305101000150	8420609307560	M10	1,5	100	14	7	376	1	1
960305101200175	8420609307638	M12	1,75	110	16	9	376	1	1
960305101400200	8420609307690	M14	2	110	18	11	376	1	1
960305101600200	8420609307768	M16	2	110	18	12	376	1	1
960305101800250	8420609307812	M18	2,5	125	25	14	376	1	1
960305102000250	8420609307850	M20	2,5	140	25	16	376	1	1
960305102200250	8420609307898	M22	2,5	140	25	18	376	1	1
960305102400300	8420609307935	M24	3	160	30	18	376	1	1
960305102700300	8420609307997	M27	3	160	30	20	376	1	1
960305103000350	8420609308048	M30	3,5	180	35	22	376	1	1
960305103300350	8420609308093	M33	3,5	180	40	25	376	1	1
960305103600400	8420609308147	M36	4	200	45	28	376	1	1
960305100800100	8420609307492	MF8	1	90	12	6	374	1	1
960305101000100	8420609307546	MF10	1	90	12	7	374	1	1
960305101000125	8420609307553	MF10	1,25	100	14	7	374	1	1
960305101200100	8420609307607	MF12	1	100	14	9	374	1	1
960305101200125	8420609307614	MF12	1,25	100	14	9	374	1	1
960305101200150	8420609307621	MF12	1,5	100	14	9	374	1	1
960305101400100	8420609307669	MF14	1	100	16	11	374	1	1
960305101400125	8420609307676	MF14	1,25	100	16	11	374	1	1
960305101400150	8420609307683	MF14	1,5	100	18	11	374	1	1
960305101600150	8420609307751	MF16	1,5	110	18	12	374	1	1
960305101800150	8420609307799	MF18	1,5	110	18	14	374	1	1
960305102000150	8420609307836	MF20	1,5	125	18	16	374	1	1
960305102200150	8420609307874	MF22	1,5	125	18	18	374	1	1
960305102400150	8420609307911	MF24	1,5	140	18	18	374	1	1
960305103000150	8420609308024	MF30	1,5	150	22	22	374	1	1
960305103000200	8420609308031	MF30	2	150	22	22	374	1	1

HSSE TIN. DIN MACHINE TAPS. SPIRALE FLUTE 35°. I FLASHCUT I .

MACHO DE MÁQUINA HSSE TIN. I FLASHCUT I , HÉL 35°.

MASCHIO A MACCHINA HSS-EE TIN DIN I FLASHCUT I ELICA 35°.



Designed for Steels < 950 N/mm². High Performance.

Diseñado para aceros < 950 N/mm². Alto rendimiento.

Concepito per gli acciai <950 N/mm². Alte prestazioni.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

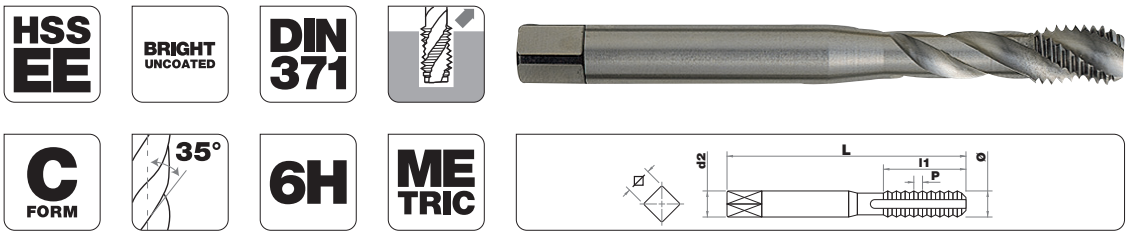
CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

960ST51	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960ST5100300050	8420609527050	M3	0,5	56	5	3,5	371	1	1
960ST5100400070	8420609527067	M4	0,7	63	7	4,5	371	1	1
960ST5100500080	8420609527074	M5	0,8	70	9	6	371	1	1
960ST5100600100	8420609527081	M6	1	80	10	6	371	1	1
960ST5100800125	8420609527098	M8	1,25	90	12	8	371	1	1
960ST5101000150	8420609527104	M10	1,5	100	14	10	371	1	1
960ST5101200175	8420609527111	M12	1,75	110	16	9	376	1	1
960ST5101400200	8420609527128	M14	2	110	18	11	376	1	1
960ST5101600200	8420609527135	M16	2	110	18	12	376	1	1
960ST5100800100	8420609596438	MF8	1	90	12	8	371	1	1
960ST5101000100	8420609596445	MF10	1	90	14	10	371	1	1
960ST5101200150	8420609596452	MF12	1,5	100	14	9	374	1	1
960ST5101400150	8420609596469	MF14	1,5	100	18	11	374	1	1

HSSEE [ASP] DIN MACHINE TAPS SPIRAL FLUTE 35°.

MACHO MÁQUINA HSSEE (ASP) DIN HÉL. 35°.

MASCHIO A MACCHINA HSS-EE [ASP] DIN ELICA 35°.



Steel tapping < 950 N/mm². Robustness, accuracy.

Roscado de aceros < 950 N/mm². Robustez, precisión.

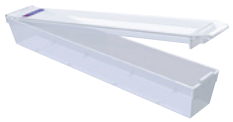
Filettatura degli acciai <950 N/mm². Robustezza e precisione.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

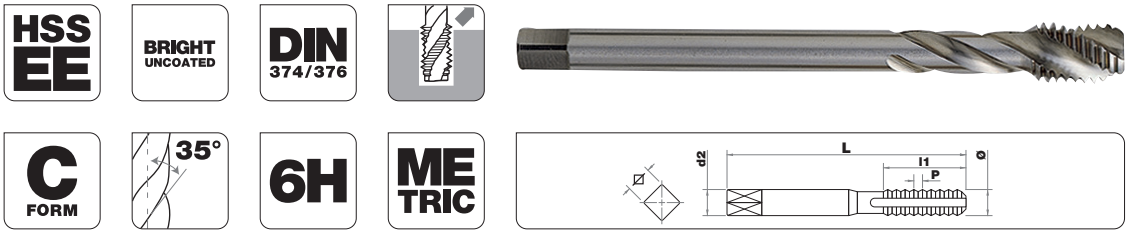
9605051	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960505100200040	8420609318368	M2	0,4	45	8	2,8	371	1	1
960505100250045	8420609318375	M2,5	0,45	50	5	2,8	371	1	1
960505100300050	8420609318382	M3	0,5	56	5	3,5	371	1	1
960505100400070	8420609318412	M4	0,7	63	7	4,5	371	1	1
960505100500080	8420609318436	M5	0,8	70	9	6	371	1	1
960505100600100	8420609318450	M6	1	80	10	6	376	1	1
960505100800125	8420609318498	M8	1,25	90	12	8	371	1	1
960505101000150	8420609318528	M10	1,5	100	14	10	371	1	1



HSSEE [ASP] DIN MACHINE TAPS SPIRAL FLUTE 35°.

MACHO MÁQUINA HSSEE (ASP) DIN HÉL. 35°.

MASCHIO A MACCHINA HSS-EE [ASP] DIN ELICA 35°.



Steel tapping < 950 N/mm². Robustness, accuracy.

Roscado de aceros < 950 N/mm². Robustez, precisión.

Filettatura degli acciai <950 N/mm². Robustezza e precisione.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

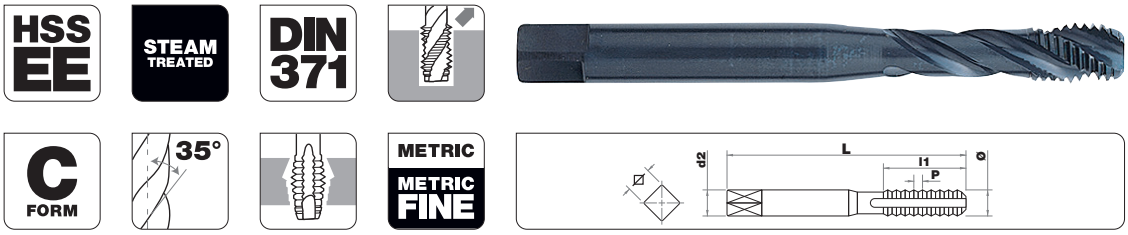
CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

9606051	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960605100800125	8420609324253	M8	1,25	90	12	6	376	1	1
960605101000150	8420609324307	M10	1,5	100	14	7	376	1	1
960605101200175	8420609324345	M12	1,75	110	16	9	376	1	1

HSSEE [ASP] DIN MACHINE TAPS SPIRAL FLUTE 35° STEAM BACK CHAMFER.

MACHO DE MÁQUINA HSSEE (ASP) DIN, STEAM. CONIC. TRASERA. HÉL. 35°.

MASCHIO A MACCHINA HSS-EE [ASP] DIN STEAM, ELICA 35°.



Stainless steel tapping. Robustness, accuracy.

Roscado de aceros inoxidables. Robustez, precisión.

Filettatura acciai inossidabili. Robustezza e precisione.

CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

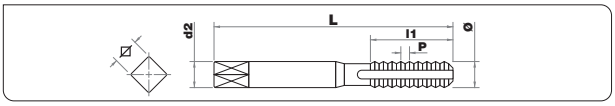
ARCo ARNi Ni / Co based special alloys
Aleaciones refractarias Co / Ni
Leghe refrattarie Co / Ni

9605851	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960585100300050	8420609322419	M3	0,5	56	5	3,5	371	1	1
960585100350060	8420609322426	M3,5	0,6	56	6	4	371	1	1
960585100400070	8420609322433	M04	0,7	63	7	4,5	371	1	1
960585100500080	8420609322440	M5	0,8	70	9	6	371	1	1
960585100600100	8420609322457	M6	1	80	10	6	371	1	1
960585100800125	8420609322488	M8	1,25	90	12	8	371	1	1
960585101000150	8420609322518	M10	1,5	100	14	10	371	1	1
960585100800100	8420609322471	MF8	1	90	12	8	371	1	1
960585101000100	8420609322495	MF10	1	90	14	10	371	1	1

HSSEE [ASP] DIN MACHINE TAPS SPIRAL FLUTE 35° STEAM BACK CHAMFER.

MACHO DE MÁQUINA HSSEE (ASP) DIN, STEAM. CONIC. TRASERA. HÉL. 35°.

MASCHIO A MACCHINA HSS-EE [ASP] DIN STEAM, ELICA 35°.



Stainless steel tapping. Robustness, accuracy.

Roscado de aceros inoxidables. Robustez, precisión.

Filettatura acciai inossidabili. Robustezza e precisione.

CDE
Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH
Stainless Steel
Aceros inoxidables
Acciai inossidabili

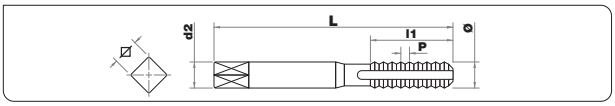
ARCo ARNi
Ni / Co based special alloys
Aleaciones refractarias Co / Ni
Leghe refrattarie Co / Ni

9606851	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960685100600100	8420609328473	M6	1	80	10	4,5	376	1	1
960685100800125	8420609328503	M8	1,25	90	12	6	376	1	1
960685101000150	8420609328527	M10	1,5	100	14	7	376	1	1
960685101200175	8420609328558	M12	1,75	110	16	9	376	1	1
960685101400200	8420609328589	M14	2	110	18	11	376	1	1
960685101600200	8420609328619	M16	2	110	18	12	376	1	1
960685101800250	8420609328640	M18	2,5	125	25	14	376	1	1
960685102000250	8420609328664	M20	2,5	140	25	18	376	1	1
960685102200250	8420609558931	M22	2,5	140	25	18	376	1	1
960685102400300	8420609328701	M24	3	160	30	18	376	1	1
960685100800100	8420609328497	MF8	1	90	12	6	374	1	1
960685101000100	8420609328510	MF10	1	90	14	7	374	1	1
960685101200150	8420609328541	MF12	1,5	100	14	9	374	1	1
960685101400150	8420609328572	MF14	1,5	100	18	11	374	1	1
960685101600150	8420609328602	MF16	1,5	110	18	12	374	1	1
960685101800150	8420609328633	MF18	1,5	110	18	14	374	1	1

HSSEE [ASP] TICN-MP. DIN SPIRAL FLUTE 35°. I FLASHCUT I , BACK CHAMFER.

MACHO MÁQUINA HSSEE (ASP) TIC-NMP. I FLASHCUT I , CON. INVERSA, HÉL 35°.

MASCHIO A MACCHINA HSS-EE [ASP] TICN MP I FLASHCUT I , ELICA 35°.



Designed for exotic materials [Inox, Ni/Co, Ti]. High Performance.

Diseñado para materiales exóticos [Inox, Ni/Co ,Ti]. Alto rendimiento.

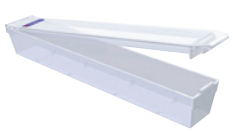
Concepito per materiali esotici [inox, Ni/Co, Ti]. Alte prestazioni.

CDE
Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH
Stainless Steel
Aceros inoxidables
Acciai inossidabili

ARCo ARNi Ti
Ni / Co based special alloys & Titanium
Aleaciones refractarias Co / Ni y Titanio
Leghe refrattarie Co / Ni i titanio

960IT51	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960IT5100300050	8420609526770	M3	0,5	56	5	3,5	371	1	1
960IT5100400070	8420609526787	M4	0,7	63	7	4,5	371	1	1
960IT5100500080	8420609526794	M5	0,8	70	9	6	371	1	1
960IT5100600100	8420609526800	M6	1	80	10	6	371	1	1
960IT5100800125	8420609526817	M8	1,25	90	12	8	371	1	1
960IT5101000150	8420609526824	M10	1,5	100	14	10	371	1	1
960IT5101200175	8420609526831	M12	1,75	110	16	9	376	1	1
960IT5101400200	8420609526848	M14	2	110	18	11	376	1	1
960IT5101600200	8420609526855	M16	2	110	18	12	376	1	1
960IT5100800100	8420609596315	MF8	1	90	12	8	371	1	1
960IT5101000100	8420609596322	MF10	1	90	14	10	371	1	1
960IT5101200150	8420609596339	MF12	1,5	100	14	9	374	1	1
960IT5101400150	8420609596346	MF14	1,5	100	18	11	374	1	1

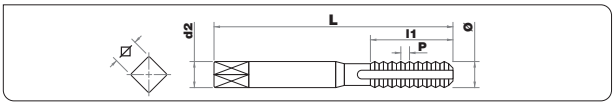


HSSEE (ASP), DIN, SPIRAL FLUTE, 45°, TAPS INTERRUPTED THREADS, Z2.

MACHO MÁQUINA HSSEE (ASP) DIN, DIENTE ALTERNO, Z2, HÉL. 45°.

MASCHIO A MACCHINA HSS-EE [ASP] DIN DENTI ALTERNATI Z2 ELICA 45°.

HSS EE | BRIGHT UNCOATED | DIN 371 | C FORM | 45° | 6H | METRIC



For light non-ferrous alloys and Plastics.

Roscado de aleaciones ligeras y plásticos

Filettatura leghe leggere e materiali plastici.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

P Composite Plastics
Composites plásticos
Plastiche composite

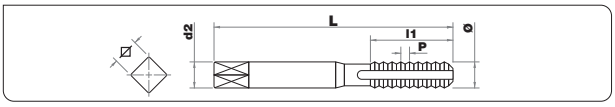
9605061	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960506100300050	8420609318559	M3	0,5	56	10	3,5	371	1	1
960506100400070	8420609318573	M4	0,7	63	12	4,5	371	1	1
960506100500080	8420609318580	M5	0,8	70	14	6	371	1	1
960506100600100	8420609318597	M6	1	80	16	6	371	1	1
960506100800125	8420609318627	M8	1,25	90	18	8	371	1	1
960506101000150	8420609318672	M10	1,5	100	20	10	371	1	1

HSSEE (ASP), DIN, SPIRAL FLUTE, 45°, TAPS INTERRUPTED THREADS, Z3.

MACHO MÁQUINA HSSEE (ASP), DIN, DIENTE ALTERNO, Z2, HÉL. 45°.

MASCHIO A MACCHINA HSS-EE [ASP] DIN DENTI ALTERNATI Z2 ELICA 45°.

HSS EE | BRIGHT UNCOATED | DIN 376 | C FORM | 45° | 6H | METRIC



For light non-ferrous alloys and Plastics.

Roscado de aleaciones ligeras y plásticos.

Filettatura leghe leggere e materiali plastici.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

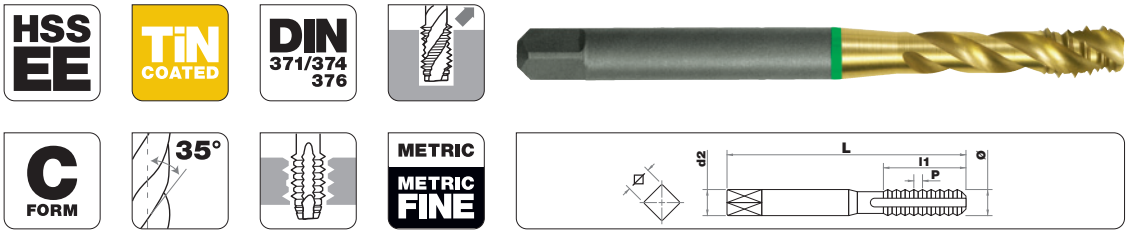
P Composite Plastics
Composites plásticos
Plastiche composite

9606061	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960606100800125	8420609324628	M8	1,25	90	18	6	376	1	1
960606101000150	8420609324666	M10	1,5	100	20	7	376	1	1
960606101200175	8420609324703	M12	1,75	110	22	9	376	1	1

HSSEE (ASP) TIN DIN SPIRAL FLUTE 35°. I FLASHCUT I , INTERRUPTED THREADS.

MACHO MÁQUINA HSSEE (ASP) TIN I FLASHCUT I , DIENTE ALTERNO, HÉL. 35°.

MASCHIO A MACCHINA HSS-EE [ASP] TIN I FLASHCUT I DENTI ALTERNATI ELICA 35°.



Designed for Aluminium alloys.High Performance.

Diseñado para Aleaciones de aluminio. Alto rendimiento.

Concepito per le leghe d'alluminio. Alte prestazioni.

K Fat aluminium alloys
Aleaciones de aluminio dúctil
Leghe di alluminio grasso

L Aluminium alloys Si<10%
Aleaciones de aluminio Si<10%
Leghe di alluminio grasso Si <10%

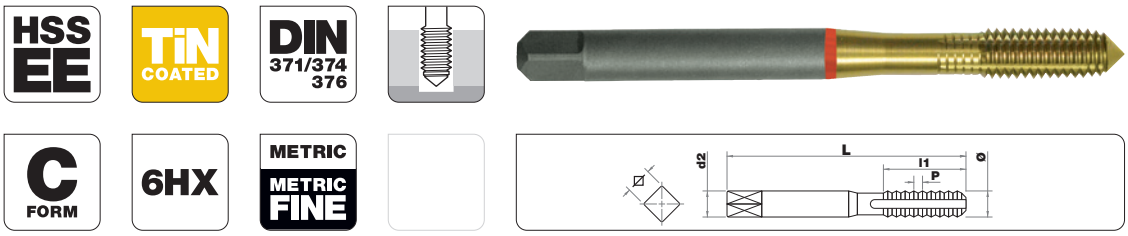
M Aluminium alloys Si>10%
Aleaciones de aluminio Si>10%
Leghe di alluminio Si >10%

960AT51	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960AT5100300050	8420609526305	M3	0,5	56	5	3,5	371	1	1
960AT5100400070	8420609526312	M4	0,7	63	7	4,5	371	1	1
960AT5100500080	8420609526329	M5	0,8	70	9	6	371	1	1
960AT5100600100	8420609526336	M6	1	80	10	6	371	1	1
960AT5100800125	8420609526343	M8	1,25	90	12	8	371	1	1
960AT5101000150	8420609526350	M10	1,5	100	14	10	371	1	1
960AT5101200175	8420609526367	M12	1,75	110	16	9	376	1	1
960AT5101400200	8420609526374	M14	2	110	18	11	376	1	1
960AT5101600200	8420609526381	M16	2	110	18	12	376	1	1
960AT5100800100	8420609596124	MF8	1	90	12	8	371	1	1
960AT5101000100	8420609596131	MF10	1	90	14	10	371	1	1
960AT5101200150	8420609596148	MF12	1,5	100	14	9	374	1	1
960AT5101400150	8420609596155	MF14	1,5	100	18	11	374	1	1

HSSEE [ASP] TIN DIN FORMING TAPS. I FLASHCUT I , GROOVES.

MACHO MÁQUINA HSSEE (ASP) TIN. I FLASHCUT I . RANURAS, LAMINACIÓN.

MASCHIO A MACCHINA HSS-EE TIN I FLASHCUT I , SCANALATURE A RULLARE.



Designed for Steels 8%. High Performance.

Diseñado para aceros 8%. Alto rendimiento.

Concepito per gli acciai 8% Alte prestazioni.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

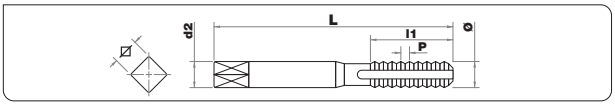
960ST91	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960ST9100300050	8420609527142	M3	0,5	56	10	3,5	371	1	1
960ST9100400070	8420609527159	M4	0,7	63	12	4,5	371	1	1
960ST9100500080	8420609527166	M5	0,8	70	14	6	371	1	1
960ST9100600100	8420609527173	M6	1	80	16	6	371	1	1
960ST9100800125	8420609527180	M8	1,25	90	18	8	371	1	1
960ST9101000150	8420609527197	M10	1,5	100	20	10	371	1	1
960ST9101200175	8420609527203	M12	1,75	110	22	9	376	1	1
960ST9101400200	8420609527210	M14	2	110	25	11	376	1	1
960ST9101600200	8420609527227	M16	2	110	28	12	376	1	1
960ST9100800100	8420609596476	MF8	1	90	18	8	371	1	1
960ST9101000100	8420609596483	MF10	1	90	18	10	371	1	1
960ST9101200150	8420609596490	MF12	1,5	100	22	9	374	1	1
960ST9101400150	8420609596506	MF14	1,5	100	22	11	374	1	1

HSSEE (ASP) TIN DIN FORMING TAPS | FLASHCUT | .

MACHO MÁQUINA HSSEE (ASP) TIN, | FLASHCUT | , LAMINACIÓN.

MASCHIO A MACCHINA HSS-EE [ASP] TIN | FLASHCUT | A RULLARE.

HSSEE | TiN COATED | DIN 371/374 376 | C FORM | 6HX | METRIC FINE



Designed for Aluminium alloys. A > 8%. High Performance.

Diseñado para Aleaciones de aluminio. A > 8%. Alto rendimiento.

Concepito per le leghe in alluminio A>8%. Alte prestazioni.

K Fat aluminium alloys / Aleaciones de aluminio dúctil / Leghe di alluminio grasso

L Aluminium alloys Si<10% / Aleaciones de aluminio Si<10% / Leghe di alluminio grasso Si <10%

M Aluminium alloys Si>10% / Aleaciones de aluminio Si>10% / Leghe di alluminio Si >10%

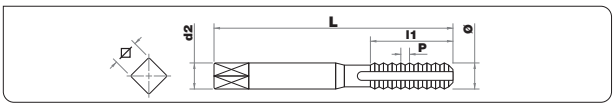
960AT91	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960AT9100300050	8420609526398	M3	0,5	56	10	3,5	371	1	1
960AT9100400070	8420609526404	M4	0,7	63	12	4,5	371	1	1
960AT9100500080	8420609526411	M5	0,8	70	14	6	371	1	1
960AT9100600100	8420609526428	M6	1	80	16	6	371	1	1
960AT9100800125	8420609526435	M8	1,25	90	18	8	371	1	1
960AT9101000150	8420609526442	M10	4,5	100	20	10	371	1	1
960AT9101200175	8420609526459	M12	1,76	110	22	9	376	1	1
960AT9101400200	8420609526466	M14	2	110	25	11	376	1	1
960AT9101600200	8420609526473	M16	2	110	28	12	376	1	1
960AT9100800100	8420609596162	MF8	1	90	18	8	371	1	1
960AT9101000100	8420609596179	MF10	1	90	18	10	371	1	1
960AT9101200150	8420609596186	MF12	1,5	100	22	9	374	1	1
960AT9101400150	8420609596193	MF14	1,5	100	22	11	374	1	1

HSSEE (ASP) TICN-MP. DIN FORMING TAPS. | FLASHCUT | , GROOVES.

MACHO MÁQUINA HSSEE (ASP) TICNMP | FLASHCUT | . RANURAS, LAMINACIÓN.

MASCHIO A MACCHINA HSS-EE TIC-NMP | FLASHCUT | , SCANALATURE A RULLARE.

HSSEE | TiCN MP COATED | DIN 371/374 376 | C FORM | 6HX | METRIC FINE



Designed for exotic materials (Inox, Ni/Co, Ti). A > 8%. High Perf.

Diseñado para mat. exóticos (Inox, Ni/Co, Ti). A > 8%. Alto rendimiento.

Concepito per mat. esotici [inox, Ni/Co, Ti] A>8%. Alte prestazioni.

CDE Steels for heat treatment 700-1400N/mm² / Aceros para tratamiento térmico 700-1400 N/mm² / Acciai per trattamento termico 700-1400N/mm²

FGH Stainless Steel / Aceros inoxidables / Acciai inossidabili

O Bronze / Bronce / Bronzo

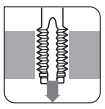
ARCo ARNi Ni / Co based special alloys / Aleaciones refractarias Co / Ni / Leghe refrattarie Co / Ni

960IT91	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960IT9100300050	8420609526862	M3	0,5	56	10	3,5	371	1	1
960IT9100400070	8420609526879	M4	0,7	63	12	4,5	371	1	1
960IT9100500080	8420609526886	M5	0,8	70	14	6	371	1	1
960IT9100600100	8420609526893	M6	1	80	16	6	371	1	1
960IT9100800125	8420609526909	M8	1,25	90	18	8	371	1	1
960IT9101000150	8420609526916	M10	1,5	100	20	10	371	1	1
960IT9101200175	8420609526923	M12	1,75	110	22	9	376	1	1
960IT9101400200	8420609526930	M14	2	110	25	11	376	1	1
960IT9101600200	8420609526947	M16	2	110	28	12	376	1	1
960IT9100800100	8420609596353	MF8	1	90	18	8	371	1	1
960IT9101000100	8420609596360	MF10	1	90	18	10	371	1	1

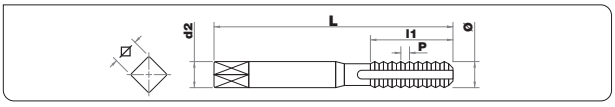
960IT91	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
960IT9101200150	8420609596377	MF12	1,5	100	22	9	374	1	1
960IT9101400150	8420609596384	MF14	1,5	100	22	11	374	1	1

HSS E DIN MACHINE TAP STRAIGHT. | MACHO DE MÁQUINA HSSE RECTO. | MASCHIO A MACCHINA HSS DRITTO.

HSS E | BRIGHT UNCOATED | DIN 371



C FORM | 2B | UNC UNF



Metal tapping. Short filings. Robustness, accuracy.

Roscado de metales de viruta corta. Confort, precisión.

Filettatura di materiali a truciolo corto. Robustezza e precisione.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

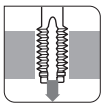
B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

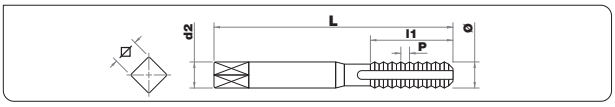
9622011	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
962201100006320	8420609340314	UNCN°6	32	56	11	4	371	1	1
962201100008320	8420609340338	UNCN°8	32	63	12	4,5	371	1	1
962201100140200	8420609340406	UNC 1/4	20	80	16	7	371	1	1
962201100380160	8420609340420	UNC 3/8	16	90	18	9	371	1	1
962201100516180	8420609340444	UNC 5/16	18	90	18	8	371	1	1
962201100010320	8420609340369	UNF N°10	32	70	14	6	371	1	1
962201100140280	8420609340413	UNF 1/4	28	80	16	7	371	1	1
962201100380240	8420609340437	UNF 3/8	24	100	18	9	371	1	1

HSS E DIN MACHINE TAP STRAIGHT. | MACHO DE MÁQUINA HSSE RECTO. | MASCHIO A MACCHINA HSS DRITTO.

HSS E | BRIGHT UNCOATED | DIN 376



C FORM | 2B | UNF



Metal tapping. Short filings. Robustness, accuracy.

Roscado de metales de viruta corta. Confort, precisión.

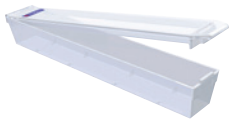
Filettatura di materiali a truciolo corto. Robustezza e precisione.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

9623011	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
962301100716200	8420609342578	UNF7/16	20	100	22	8	376	1	1
962301100120200	8420609342455	UNF 1/2	20	110	25	9	376	1	1
962301100916180	8420609342615	UNF9/16	18	110	25	11	376	1	1
962301100580180	8420609342554	UNF 5/8	18	110	25	12	376	1	1
962301100340160	8420609342493	UNF 3/4	16	125	32	14	376	1	1

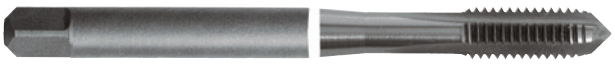


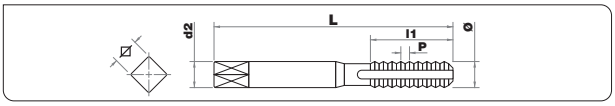
HSSEE (ASP) TICN DIN MACHINE TAPS. I FLASHCUT I , STRAIGHT.

MACHO MÁQUINA HSSEE (ASP) TICN FLASH CUT, RECTO.

MASCHIO A MACCHINA HSS-EE [ASP] TICN DIN I FLASHCUT I DRITTO.

HSS EE | TiCN COATED | DIN 371/376 | C FORM | 2B | UNC UNF





Designed for Cast iron. High Performance.

Diseñado para Fundicion. Alto rendimiento.

Concepito per le ghise. Alte prestazioni.

I Grey cast iron / Fundición gris / ghisa grigia

J SG iron / Fundición nodular / Ghisa GS

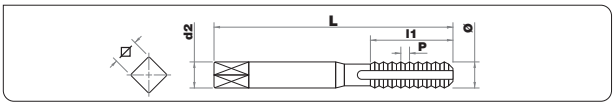
962CT11	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
962CT1100140200	8420609615047	UNC 1/4	20	80	16	7	371	1	1
962CT1100380160	8420609615085	UNC 3/8	16	90	18	9	371	1	1
962CT1100120130	8420609615023	UNC 1/2	13	110	25	9	376	1	1
962CT1100340100	8420609615061	UNC 3/4	10	125	32	14	376	1	1
962CT1110000080	8420609615108	UNC 1"	8	160	36	20	376	1	1
962CT1100140280	8420609615054	UNF 1/4	28	80	16	7	371	1	1
962CT1100380240	8420609615092	UNF 3/8	24	100	18	9	371	1	1
962CT1100120200	8420609615030	UNF 1/2	20	110	25	9	376	1	1
962CT1100340160	8420609615078	UNF 3/4	16	125	32	14	376	1	1
962CT1110000120	8420609615115	UNF 1"	12	140	32	20	376	1	1

HSSE DIN MACHINE TAPS. I FLASH-CUT I , STRAIGHT FLUTE.

MACHO MÁQUINA HSSE I FLASH-CUT I , RECTO.

MASCHIO A MACCHINA HSS-E DIN I FLASHCUT I DRITTO.

HSS E | BRIGHT UNCOATED | DIN 371/376 | C FORM | 2B | UNC UNF



Designed for copper alloys. High Performance.

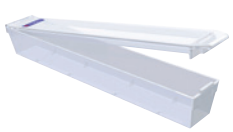
Diseñado para aleaciones de cobre. Alto rendimiento.

Concepito per le leghe di rame. Alte prestazioni.

N Brass / Latón / ottone

O Bronze / Bronce / Bronzo

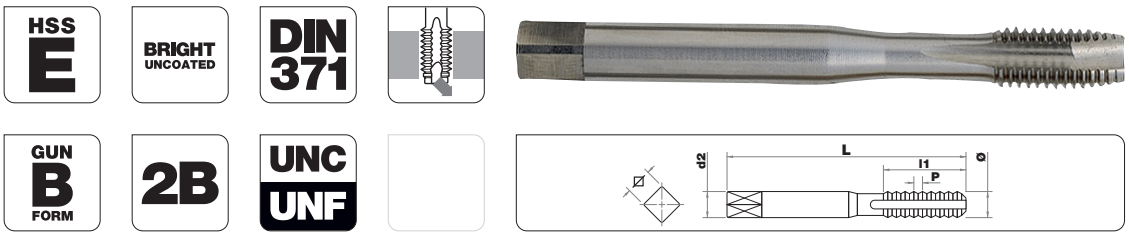
962BT11	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
962BT1100140200	8420609614941	UNC 1/4	20	80	16	7	371	1	1
962BT1100380160	8420609614989	UNC 3/8	16	90	18	9	371	1	1
962BT1100120130	8420609614927	UNC 1/2	13	110	25	9	376	1	1
962BT1100340100	8420609614965	UNC 3/4	10	125	32	14	376	1	1
962BT1110000080	8420609615009	UNC 1"	8	160	36	20	376	1	1
962BT1100140280	8420609614958	UNF 1/4	28	80	16	7	371	1	1
962BT1100380240	8420609614996	UNF 3/8	24	100	18	9	371	1	1
962BT1100120200	8420609614934	UNF 1/2	20	110	25	9	376	1	1
962BT1100340160	8420609614972	UNF 3/4	16	125	32	14	376	1	1
962BT1110000120	8420609615016	UNF 1"	12	140	32	20	376	1	1



HSSE DIN MACHINE TAP GUN.

MACHO DE MÁQUINA HSSE DIN GUN.

MASCHIO A MACCHINA HSS-E DIN GUN.



Steel tapping < 700 N/mm². Robustness, accuracy.

Roscado de aceros < 700 N/mm². Robustez, precisión.

Filettatura degli acciai <700 N/mm². Robustezza e precisione.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

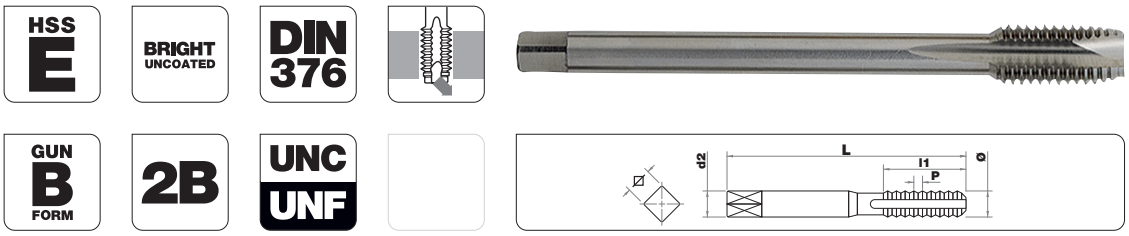
KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

9622021	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
962202100004400	8420609340499	UNC N°4	40	56	11	3,5	371	1	1
962202100005400	8420609340512	UNC N°5	40	56	11	3,5	371	1	1
962202100006320	8420609340536	UNC N°6	32	56	11	4	371	1	1
962202100008320	8420609340550	UNC N°8	32	63	12	4,5	371	1	1
962202100010240	8420609340574	UNC N°10	24	70	14	6	371	1	1
962202100012240	8420609340598	UNC N°12	24	80	14	6	371	1	1
962202100140200	8420609340611	UNC 1/4	20	80	16	7	371	1	1
962202100516180	8420609340659	UNC 5/16	18	90	18	8	371	1	1
962202100380160	8420609340635	UNC 3/8	16	90	18	9	371	1	1
962202100010320	8420609340581	UNF N°10	32	70	14	6	371	1	1
962202100012280	8420609340604	UNF N°12	28	80	17	6	371	1	1
962202100140280	8420609340628	UNF 1/4	28	80	16	7	371	1	1
962202100516240	8420609340666	UNF 5/16	24	90	18	8	371	1	1
962202100380240	8420609340642	UNF 3/8	24	100	18	9	371	1	1

HSSE DIN MACHINE TAP GUN.

MACHO DE MÁQUINA HSSE DIN GUN.

MASCHIO A MACCHINA HSS-E DIN GUN.



Steel tapping < 700 N/mm². Robustness, accuracy.

Roscado de aceros < 700 N/mm². Robustez, precisión.

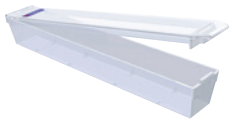
Filettatura degli acciai <700 N/mm². Robustezza e precisione.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

9623021	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
962302100140200	8420609342882	UNC 1/4	20	80	16	4,5	376	1	1
962302100516180	8420609342943	UNC 5/16	18	90	18	6	376	1	1
962302100380160	8420609342929	UNC 3/8	16	90	18	7	376	1	1
962302100716140	8420609342981	UNC 7/16	14	100	22	8	376	1	1
962302100120130	8420609342868	UNC 1/2	13	110	25	9	376	1	1
962302100580110	8420609342967	UNC 5/8	11	110	28	12	376	1	1
962302100340100	8420609342905	UNC 3/4	10	125	32	14	376	1	1
962302100780090	8420609343001	UNC 7/8	9	140	32	18	376	1	1
962302110000080	8420609343063	UNC 1"	8	160	36	20	376	1	1
962302100380240	8420609342936	UNF 3/8	24	100	18	7	376	1	1
962302100716200	8420609342998	UNF 7/16	20	100	22	8	376	1	1
962302100120200	8420609342875	UNF 1/2	20	110	25	9	376	1	1
962302100580180	8420609342974	UNF 5/8	18	110	25	12	376	1	1
962302100340160	8420609342912	UNF 3/4	16	125	32	14	376	1	1
962302100780140	8420609343018	UNF 7/8	14	125	32	18	376	1	1



9623021	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
962302110000120	8420609343070	UNF 1"	12	140	32	20	376	1	1

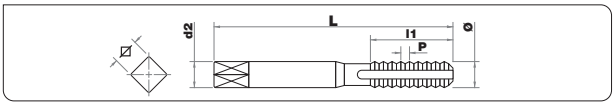
HSSE TIN DIN MACHINE TAPS. | FLASHCUT | .

MACHO MÁQUINA HSSE TIN. FLASCHCUT, GUN.

MASCHIO A MACCHINA HSS-E TIN DIN | FLASHCUT | GUN.

HSS E | TiN COATED | DIN 371/376

GUN B FORM | 2B | UNC UNF



Designed for Steels < 950 N/mm². High Performance.

Diseñado para aceros < 950 N/mm². Alto rendimiento.

Concepito per gli acciai <950 N/mm². Alte prestazioni.

A — Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B — Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

CDE — Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

962ST21	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
962ST2100140200	8420609615344	UNC 1/4	20	80	16	7	371	1	1
962ST2100380160	8420609615382	UNC 3/8	16	90	18	9	371	1	1
962ST2100120130	8420609615320	UNC 1/2	13	110	25	9	376	1	1
962ST2100340100	8420609615368	UNC 3/4	10	125	32	14	376	1	1
962ST2110000080	8420609615405	UNC 1"	8	160	36	20	376	1	1
962ST2100140280	8420609615351	UNF 1/4	28	80	16	7	371	1	1
962ST2100380240	8420609615399	UNF 3/8	24	100	18	9	371	1	1
962ST2100120200	8420609615337	UNF 1/2	20	110	25	9	376	1	1
962ST2100340160	8420609615375	UNF 3/4	16	125	32	14	376	1	1
962ST2110000120	8420609615412	UNF 1"	12	140	32	20	376	1	1

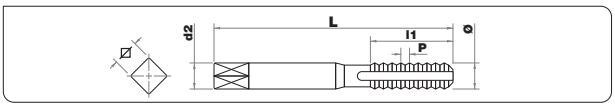
HSSEE (ASP) TICNMP. DIN MACHINE TAPS. | FLASHCUT | , BACK CHAMFER.

MACHO MÁQUINA HSSEE (ASP) TICNMP | FLASHCUT | . CONICIDAD INVERSA, GUN.

MASCHIO A MACCHINA HSS-EE [ASP] TICN MP DIN | FLASHCUT | GUN.

HSS EE | TiCN COATED | DIN 371/376

GUN B FORM | 2B | UNC UNF



Designed for exotic materials (Inox, Ni/Co, Ti). High Performance.

Diseñado para materiales exóticos (Inox, Ni/Co, Ti). Alto rendimiento.

Concepito per materiali esotici [inox, Ni/Co, Ti]. Alte prestazioni.

CDE — Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH — Stainless Steel
Aceros inoxidables
Acciai inossidabili

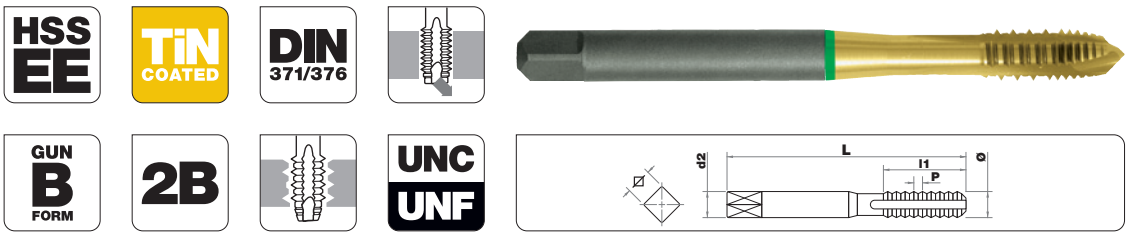
ARCo ARNi Ti — Ni / Co based special alloys & Titanium
Aleaciones refractarias Co / Ni y Titanio
Leghe refrattarie Co / Ni i titanio

962IT21	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
962IT2100140200	8420609615146	UNC 1/4	20	80	16	7	371	1	1
962IT2100380160	8420609615184	UNC 3/8	16	90	18	9	371	1	1
962IT2100120130	8420609615122	UNC 1/2	13	110	25	9	376	1	1
962IT2100340100	8420609615160	UNC 3/4	10	125	32	14	376	1	1
962IT2110000080	8420609615207	UNC 1"	8	160	36	20	376	1	1
962IT2100140280	8420609615153	UNF 1/4	28	80	16	7	371	1	1
962IT2100380240	8420609615191	UNF 3/8	24	100	18	9	371	1	1
962IT2100120200	8420609615139	UNF 1/2	20	110	25	9	376	1	1
962IT2100340160	8420609615177	UNF 3/4	16	125	32	14	376	1	1
962IT2110000120	8420609615214	UNF 1"	12	140	32	20	376	1	1

HSSEE (ASP) TIN. DIN MACHINE TAPS | FLASHCUT | , INTERRUPTED THREADS.

MACHO MÁQUINA HSSEE (ASP) TIN | FLASHCUT | . DIENTE ALTERNO, GUN.

MASCHIO A MACCHINA HSS-EE [ASP] TIN | FLASHCUT | DENTI ALTERNATI GUN.



Designed for Aluminium alloys. High Performance.

Diseñado para Aleaciones de aluminio. Alto rendimiento.

Concepito per le leghe di alluminio. Alte prestazioni.

K Fat aluminium alloys
Aleaciones de aluminio dúctil
Leghe di alluminio grasso

L Aluminium alloys Si<10%
Aleaciones de aluminio Si<10%
Leghe di alluminio grasso Si <10%

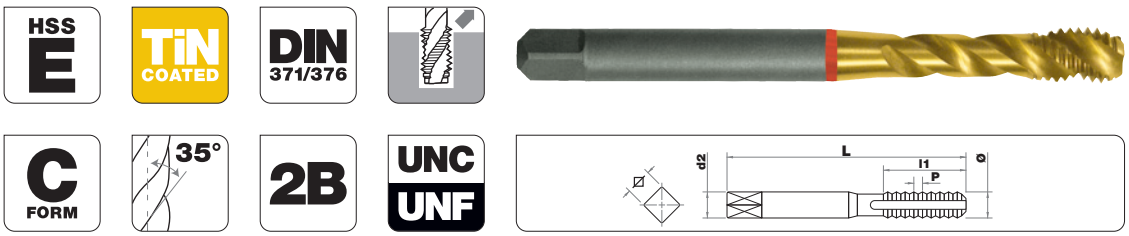
M Aluminium alloys Si>10%
Aleaciones de aluminio Si>10%
Leghe di alluminio Si >10%

962AT21	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
962AT2100140200	8420609614743	UNC 1/4	20	80	16	7	371	1	1
962AT2100380160	8420609614781	UNC 3/8	16	90	18	9	371	1	1
962AT2100120130	8420609614729	UNC 1/2	13	110	25	9	376	1	1
962AT2100340100	8420609614767	UNC 3/4	10	125	32	14	376	1	1
962AT2110000080	8420609614804	UNC 1"	8	160	36	20	376	1	1
962AT2100140280	8420609614750	UNF 1/4	28	80	16	7	371	1	1
962AT2100380240	8420609614798	UNF 3/8	24	100	18	9	371	1	1
962AT2100120200	8420609614736	UNF 1/2	20	110	25	9	376	1	1
962AT2100340160	8420609614774	UNF 3/4	16	125	32	14	376	1	1
962AT2110000120	8420609614811	UNF 1"	12	140	32	20	376	1	1

HSSE TIN. DIN MACHINE TAPS, SPIRALE FLUTE 35°. | FLASHCUT | .

MACHO MÁQUINA HSSE TIN. | FLASHCUT | , HEL. 35°.

MASCHIO A MACCHINA HSS-E TIN DIN | FLASHCUT | , ELICA 35°.



Designed for Steels < 950 N/mm². High Performance.

Diseñado para aceros < 950 N/mm². Alto rendimiento.

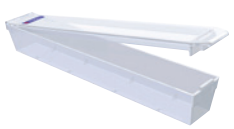
Concepito per gli acciai <950 N/mm². Alte prestazioni.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

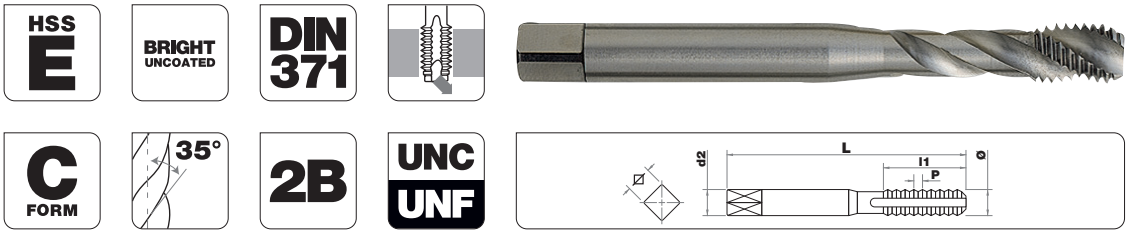
962ST51	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
962ST5100140200	8420609615443	UNC 1/4	20	80	12	7	371	1	1
962ST5100380160	8420609615481	UNC 3/8	16	90	14	9	371	1	1
962ST5100120130	8420609615429	UNC 1/2	13	110	16	9	376	1	1
962ST5100340100	8420609615467	UNC 3/4	10	125	25	14	376	1	1
962ST5110000080	8420609615504	UNC 1"	8	160	30	20	376	1	1
962ST5100140280	8420609615450	UNF 1/4	28	80	10	7	371	1	1
962ST5100380240	8420609615498	UNF 3/8	24	100	14	9	371	1	1
962ST5100120200	8420609615436	UNF 1/2	20	110	16	9	376	1	1
962ST5100340160	8420609615474	UNF 3/4	16	125	18	14	376	1	1
962ST5110000120	8420609615511	UNF 1"	12	140	25	20	376	1	1



HSSE DIN MACHINE TAP SPIRAL FLUTE 35°.

MACHO DE MÁQUINA HSSE DIN HÉL. 35°.

MASCHIO A MACCHINA HSS-E DIN ELICA 35°.



Steel tapping < 700 N/mm². Robustness, accuracy.

Roscado de aceros < 700 N/mm². Robustez, precisión.

Filettatura degli acciai<700 N/mm². Robustezza e precisione.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

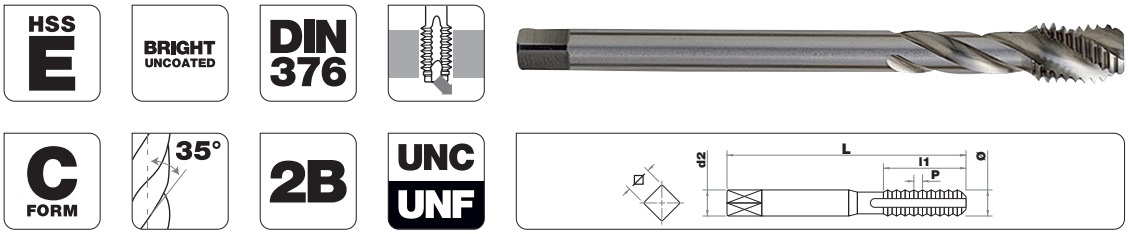
KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

9622051	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
962205100004400	8420609341076	UNC N°4	40	56	5	3,5	371	1	1
962205100006320	8420609341113	UNC N°6	32	56	7	4	371	1	1
962205100008320	8420609341137	UNC N°8	32	63	7	4,5	371	1	1
962205100010240	8420609341151	UNC N°10	24	70	10	6	371	1	1
962205100140200	8420609341199	UNC 1/4	20	80	12	7	371	1	1
962205100516180	8420609341236	UNC 5/16	18	90	12	8	371	1	1
962205100380160	8420609341212	UNC 3/8	19	90	14	9	371	1	1
962205100010320	8420609341168	UNF N°10	32	70	9	6	371	1	1
962205100140280	8420609341205	UNF 1/4	28	80	10	7	371	1	1
962205100516240	8420609341243	UNF 5/16	24	90	12	8	371	1	1
962205100380240	8420609341229	UNF 3/8	24	100	14	9	371	1	1

HSSE DIN MACHINE TAP SPIRAL FLUTE 35°.

MACHO DE MÁQUINA HSSE DIN HÉL. 35°.

MASCHIO A MACCHINA HSS-E DIN ELICA 35°.



Steel tapping < 700 N/mm². Robustness, accuracy.

Roscado de aceros < 700 N/mm². Robustez, precisión.

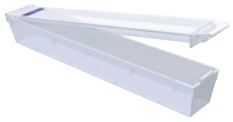
Filettatura degli acciai<700 N/mm². Robustezza e precisione.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

9623051	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
962305100516180	8420609343766	UNC 5/16	18	90	12	6	376	1	1
962305100380160	8420609343742	UNC 3/8	16	90	14	7	376	1	1
962305100716140	8420609343803	UNC 7/16	14	100	16	8	376	1	1
962305100120130	8420609343681	UNC 1/2	13	110	16	9	376	1	1
962305100916120	8420609343841	UNC 9/16	12	110	18	11	376	1	1
962305100580110	8420609343780	UNC 5/8	11	110	20	12	376	1	1
962305100340100	8420609343728	UNC 3/4	10	125	25	14	376	1	1
962305100780090	8420609343827	UNC 7/8	9	140	28	18	376	1	1
962305110000080	8420609343865	UNC 1"	8	160	30	20	376	1	1
962305100716200	8420609343810	UNF 7/16	20	100	14	8	376	1	1
962305100120200	8420609343698	UNF 1/2	20	110	16	9	376	1	1
962305100916180	8420609343858	UNF 9/16	18	110	18	11	376	1	1
962305100580180	8420609343797	UNF 5/8	18	110	18	12	376	1	1
962305100340160	8420609343735	UNF 3/4	16	125	18	14	376	1	1

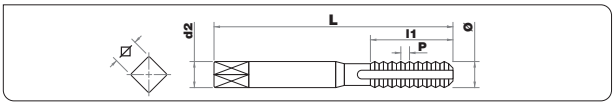


HSSEE (ASP) TICNMP. DIN SPIRAL FLUTE 35°. I FLASHCUT I , BACK CHAMFER.

MACHO MÁQUINA HSSEE (ASP) TICNMP I FLASHCUT I . CONI. INVERSA, HEL. 35°.

MASCHIO A MACCHINA HSS-EE [ASP] TICN MP I FLASHCUT I , ELICA 35°.

HSS EE | TiCN MP COATED | DIN 371/376 | C FORM | 35° | UNC UNF



Designed for exotic materials (Inox, Ni/Co, Ti). High Performance.

Diseñado para materiales exóticos (Inox, Ni/Co, Ti). Alto rendimiento.

Concepito per materiali esotici [inox, Ni/Co, Ti]. Alte prestazioni.

CDE — Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH — Stainless Steel
Aceros inoxidables
Acciai inossidabili

ARCo ARNi Ti — Ni / Co based special alloys & Titanium
Aleaciones refractarias Co / Ni y Titanio
Leghe refrattarie Co / Ni i titanio

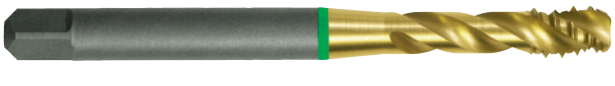
962IT51	EAN	Ø	P	L	I	d2	DIN	QTY	PCB
962IT5100140200	8420609615245	UNC 1/4	20	80	12	7	371	1	1
962IT5100380160	8420609615283	UNC 3/8	16	90	14	9	371	1	1
962IT5100120130	8420609615221	UNC 1/2	13	110	16	9	376	1	1
962IT5100340100	8420609615269	UNC 3/4	10	125	25	14	376	1	1
962IT5110000080	8420609615306	UNC 1"	8	160	30	20	376	1	1
962IT5100140280	8420609615252	UNF 1/4	28	80	10	7	371	1	1
962IT5100380240	8420609615290	UNF 3/8	24	100	14	9	371	1	1
962IT5100120200	8420609615238	UNF 1/2	20	110	16	9	376	1	1
962IT5100340160	8420609615276	UNF 3/4	16	125	18	14	376	1	1
962IT5110000120	8420609615313	UNF 1"	12	140	25	20	376	1	1

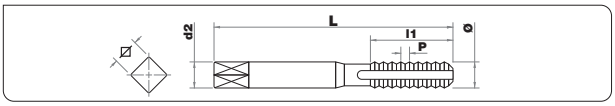
HSSEE [ASP] TIN DIN SPIRAL FLUTE 35°. I FLASHCUT I , INTERRUPTED THREADS.

MACHO MÁQUINA HSSEE (ASP) TIN I FLASHCUT I . DIENTE ALTERNO, HÉL. 35°.

MASCHIO A MACCHINA HSS-EE [ASP] TIN I FLASHCUT I DENTI ALTERNATI ELICA 35°.

HSS EE | TiN COATED | DIN 371/376 | C FORM | 35° | UNC UNF





Designed for Aluminium alloys. High Performance.

Diseñado para Aleaciones de aluminio. Alto rendimiento.

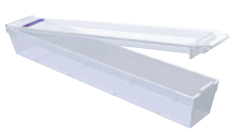
Concepito per le leghe in alluminio. Alte prestazioni.

K — Fat aluminium alloys
Aleaciones de aluminio dúctil
Leghe di alluminio grasso

L — Aluminium alloys Si<10%
Aleaciones de aluminio Si<10%
Leghe di alluminio grasso Si <10%

M — Aluminium alloys Si>10%
Aleaciones de aluminio Si>10%
Leghe di alluminio Si >10%

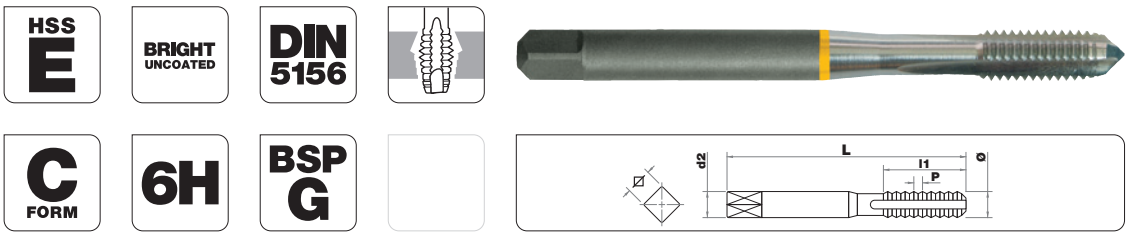
962AT51	EAN	Ø	P	L	I	d2	DIN	QTY	PCB
962AT5100140200	8420609614842	UNC 1/4	20	80	12	7	371	1	1
962AT5100380160	8420609614880	UNC 3/8	16	90	14	9	371	1	1
962AT5100120130	8420609614828	UNC 1/2	13	110	16	9	376	1	1
962AT5100340100	8420609614866	UNC 3/4	10	125	25	14	376	1	1
962AT5110000080	8420609614903	UNC 1"	8	160	30	20	376	1	1
962AT5100140280	8420609614859	UNF 1/4	28	80	10	7	371	1	1
962AT5100380240	8420609614897	UNF 3/8	24	100	14	9	371	1	1
962AT5100120200	8420609614835	UNF 1/2	20	110	16	9	376	1	1
962AT5100340160	8420609614873	UNF 3/4	16	125	18	14	376	1	1
962AT5110000120	8420609614910	UNF 1"	12	140	25	20	376	1	1



HSSE DIN MACHINE TAPS. I FLASH-CUT I , STRAIGHT.

MACHO MÁQUINA HSSE I FLASH-CUT I , RECTO.

MASCHIO A MACCHINA HSS-E DIN I FLASHCUT I DRITTO.



Designed for copper alloys. High Performance.

Diseñado para aleaciones de cobre. Alto rendimiento.

Concepito per le leghe di rame. Alte prestazioni.

N Brass / Latón / ottone

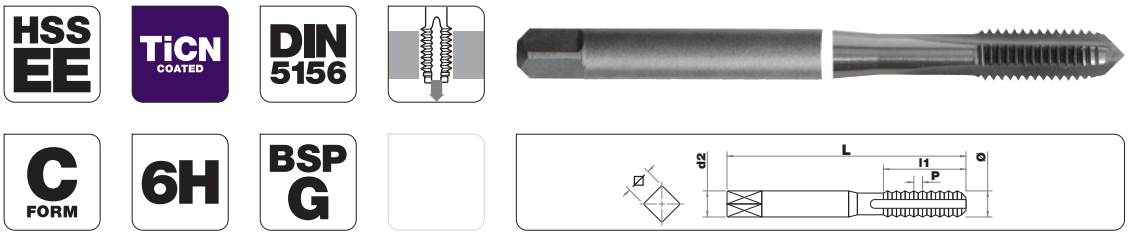
O Bronze / Bronce / Bronzo

963BT11	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
963BT1100180280	8420609615580	G1/8	28	90	18	7	5156	1	1
963BT1100140190	8420609615573	G1/4	19	100	22	11	5156	1	1
963BT1100380190	8420609615603	G3/8	19	100	25	12	5156	1	1
963BT1100120140	8420609615566	G1/2	14	125	25	16	5156	1	1
963BT1100340140	8420609615597	G3/4	14	140	28	20	5156	1	1
963BT1110000110	8420609615610	G1"	11	160	36	25	5156	1	1

HSSEE [ASP] TICN DIN MACHINE TAPS. I FLASHCUT I , STRAIGHT.

MACHO MÁQUINA HSSEE (ASP) TICN I FLASHCUT I , RECTO.

MASCHIO A MACCHINA HSS-EE [ASP] TICN DIN I FLASHCUT I DRITTO.



Designed for Cast iron. High Performance.

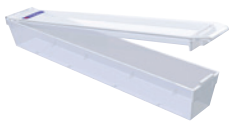
Diseñado para Fundicion. Alto rendimiento.

Concepito per le ghise. Alte prestazioni.

I Grey cast iron / Fundición gris / ghisa grigia

J SG iron / Fundición nodular / Ghisa GS

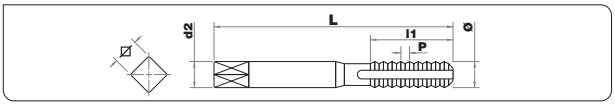
963CT11	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
963CT1100180280	8420609615641	G1/8	28	90	18	7	5156	1	1
963CT1100140190	8420609615634	G1/4	19	100	22	11	5156	1	1
963CT1100380190	8420609615665	G3/8	19	100	25	12	5156	1	1
963CT1100120140	8420609615627	G1/2	14	125	25	16	5156	1	1
963CT1100340140	8420609615658	G3/4	14	140	28	20	5156	1	1
963CT1110000110	8420609615672	G1"	11	160	36	25	5156	1	1



HSSE DIN MACHINE TAP STRAIGHT .

MACHO MÁQUINA HSSE DIN RECTO.

MASCHIO A MACCHINA HSS-E DIN DRITTO.



Metal tapping. Short filings. Robustness, accuracy.

Roscado de metales de viruta corta. Confort, precisión.

Filettatura dei metalli a truciolo corto. Robustezza e precisione.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

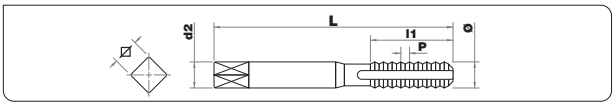
KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

9633011	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
963301100180280	8420609348709	G1/8	28	90	18	7	5156	1	1
963301100140190	8420609348693	G1/4	19	100	22	11	5156	1	1
963301100380190	8420609348723	G3/8	19	100	25	12	5156	1	1
963301100120140	8420609348686	G1/2	14	125	25	16	5156	1	1
963301100340140	8420609348716	G3/4	14	140	28	20	5156	1	1
963301110000110	8420609348754	G1"	11	160	36	25	5156	1	1
963301110140110	8420609348778	G1"1/4	11	170	40	32	5156	1	1

HSSE DIN MACHINE TAP GUN.

MACHO DE MÁQUINA HSSE DIN GUN.

MASCHIO A MACCHINA HSS-E DIN GUN.



Steel tapping < 700 N/mm². Robustness, accuracy.

Roscado de aceros < 700 N/mm². Robustez, precisión.

Filettatura degli acciai <700 N/mm². Robustezza e precisione.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

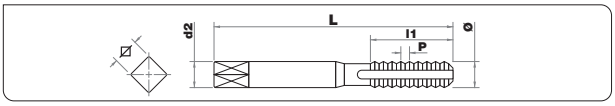
9633021	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
963302100180280	8420609348884	G1/8	28	90	18	7	5156	1	1
963302100140190	8420609348877	G1/4	19	100	22	11	5156	1	1
963302100380190	8420609348907	G3/8	19	100	25	12	5156	1	1
963302100120140	8420609348860	G1/2	14	125	25	16	5156	1	1
963302100580140	8420609348914	G5/8	14	125	25	18	5156	1	1
963302100340140	8420609348891	G3/4	14	140	28	20	5156	1	1
963302110000110	8420609348938	G1"	11	160	36	25	5156	1	1

HSSE DIN MACHINE TAP SPIRAL FLUTE 15°.

MACHO DE MÁQUINA HSSE DIN HÉL. 15°.

MASCHIO A MACCHINA HSS-E DIN ELICA 15°.

HSS E | BRIGHT UNCOATED | DIN 5156 | C FORM | 15° | BSP G



High strength steel tapping. Shallow holes. Robustness.

Roscado de aceros resistentes. Orificios poco profundos. Robustez.

Filettatura degli acciai resistenti. Fori poco profondi. Robustezza.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

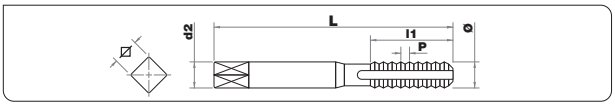
9633031	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
963303100180280	8420609349041	G1/8	28	90	18	7	5156	1	1
963303100140190	8420609349034	G1/4	19	100	22	11	5156	1	1
963303100380190	8420609349065	G3/8	19	100	25	12	5156	1	1
963303100120140	8420609349027	G1/2	14	125	25	16	5156	1	1
963303100780140	8420609349089	G7/8	14	125	25	18	5156	1	1
963303100340140	8420609349058	G3/4	14	140	28	20	5156	1	1
963303110000110	8420609349096	G1"	11	160	36	25	5156	1	1

HSSE DIN MACHINE TAP SPIRAL FLUTE 35°.

MACHO DE MÁQUINA HSSE DIN HELICOIDAL 35°.

MASCHIO A MACCHINA HSS-E DIN ELICA 35°.

HSS E | BRIGHT UNCOATED | DIN 5156 | C FORM | 35° | BSP G



Steel tapping < 700 N/mm². Robustness, accuracy.

Roscado de aceros < 700 N/mm². Robustez, precisión.

Filettatura degli acciai <700 N/mm². Robustezza e precisione.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

9633051	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
963305100180280	8420609349201	G1/8	28	90	18	7	5156	1	1
963305100140190	8420609349195	G1/4	19	100	22	11	5156	1	1
963305100380190	8420609349225	G3/8	19	100	25	12	5156	1	1
963305100120140	8420609349188	G1/2	14	125	25	16	5156	1	1
963305100340140	8420609349218	G3/4	14	125	25	18	5156	1	1
963305110000110	8420609349256	G1"	14	140	28	20	5156	1	1
963305110140110	8420609349270	G1"1/4	11	160	36	25	5156	1	1
963305110120110	8420609349263	G1"1/2	11	190	32	36	5156	1	1

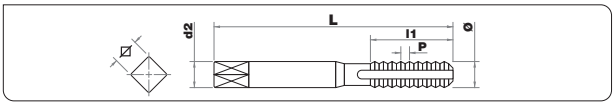
HSSE DIN MACHINE TAP STRAIGHT.

MACHO DE MÁQUINA HSSE DIN RECTO.

MASCHIO A MACCHINA HSS-E DIN DRITTO.

HSS E | BRIGHT UNCOATED | DIN 371

C FORM | BSW



Metal tapping. Short filings. Robustness, accuracy.

Roscado de metales de viruta corta. Confort, precisión.

Filettatura dei metalli a truciolo corto. Robustezza e precisione.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

9612011	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
961201100180400	8420609336294	W 1/8	40	56	11	3,5	371	1	1
961201100532320	8420609336355	W 5/32	32	63	12	4,5	371	1	1
961201100316240	8420609336300	W 3/16	24	70	14	6	371	1	1
961201100140200	8420609336270	W 1/4	20	80	16	7	371	1	1
961201100516180	8420609336331	W 5/16	18	90	18	8	371	1	1
961201100380160	8420609336317	W 3/8	16	90	18	9	371	1	1

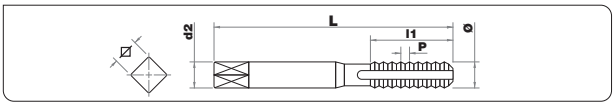
HSSE DIN MACHINE TAP GUN.

MACHO DE MÁQUINA HSSE DIN GUN.

MASCHIO A MACCHINA HSS-E DIN GUN.

HSS E | BRIGHT UNCOATED | DIN 371

GUN B FORM | BSW



Steel tapping < 700 N/mm². Robustness, accuracy.

Roscado de aceros < 700 N/mm². Robustez, precisión.

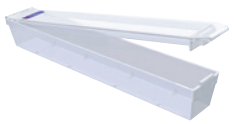
Filettatura degli acciai <700 N/mm². Robustezza e precisione.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

9612021	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
961202100180400	8420609336409	W 1/8	40	56	11	3,5	371	1	1
961202100316240	8420609336416	W 3/16	24	70	14	6	371	1	1
961202100140200	8420609336386	W 1/4	20	80	16	7	371	1	1
961202100516180	8420609336461	W 5/16	18	90	18	8	371	1	1
961202100380160	8420609336447	W 3/8	16	90	18	9	371	1	1



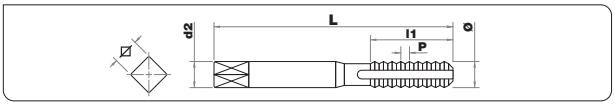
HSSE DIN MACHINE TAP GUN.

MACHO DE MÁQUINA HSSE DIN GUN.

MASCHIO A MACCHINA HSS-E DIN GUN.

HSS E | BRIGHT UNCOATED | DIN 376

GUN B FORM | BSW



Steel tapping < 700 N/mm². Robustness, accuracy.

Roscado de aceros < 700 N/mm². Robustez, precisión.

Filettatura degli acciai <700 N/mm². Robustezza e precisione.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

9613021	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
961302100140200	8420609337673	W 1/4	20	80	16	4,5	376	1	1
961302100380160	8420609337758	W 3/8	16	90	18	7	376	1	1
961302100716140	8420609337826	W 7/16	14	100	22	8	376	1	1
961302100120120	8420609337659	W 1/2	12	110	25	9	376	1	1
961302100580110	8420609337802	W 5/8	11	110	28	12	376	1	1
961302100340100	8420609337734	W 3/4	10	125	32	14	376	1	1
961302110000080	8420609337901	W 1"	8	160	36	20	376	1	1

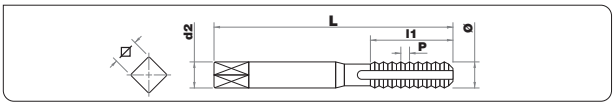
HSSE DIN MACHINE TAP SPIRAL FLUTE 35°.

MACHO DE MÁQUINA HSSE DIN HÉL. 35°.

MASCHIO A MACCHINA HSS-E DIN ELICA 35°.

HSS E | BRIGHT UNCOATED | DIN 371

C FORM | 35° | BSW



Steel tapping < 700 N/mm². Robustness, accuracy.

Roscado de aceros < 700 N/mm². Robustez, precisión.

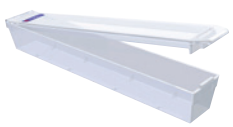
Filettatura degli acciai <700 N/mm². Robustezza e precisione.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

9612051	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
961205100180400	8420609336713	W 1/8	40	56	7	3,5	371	1	1
961205100316240	8420609336720	W 3/16	24	70	10	6	371	1	1
961205100140200	8420609336706	W 1/4	20	80	12	7	371	1	1
961205100516180	8420609336744	W 5/16	18	90	12	8	371	1	1
961205100380160	8420609336737	W 3/8	16	90	14	9	371	1	1



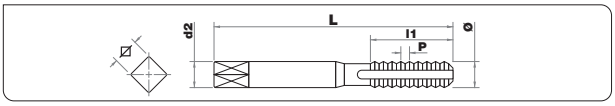
HSSE DIN MACHINE TAP SPIRAL FLUTE 35°.

MACHO DE MÁQUINA HSSE DIN HÉL. 35°.

MASCHIO A MACCHINA HSS-E DIN ELICA 35°.

HSS E | BRIGHT UNCOATED | DIN 376

C FORM | 35° | BSW



Steel tapping < 700 N/mm². Robustness, accuracy.

Roscado de aceros < 700 N/mm². Robustez, precisión.

Filettatura degli acciai <700 N/mm². Robustezza e precisione.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

9613051	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
961305100120120	8420609338366	W 1/2	12	110	16	9	376	1	1
961305100580110	8420609338441	W 5/8	11	110	20	12	376	1	1
961305100340100	8420609338403	W 3/4	10	125	25	14	376	1	1
961305110000080	8420609338519	W 1"	8	160	30	20	376	1	1

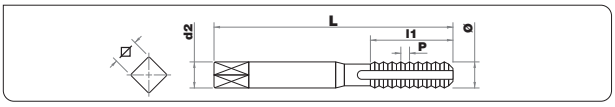
HSSE DIN MACHINE TAP STRAIGHT.

MACHO DE MÁQUINA HSSE DIN RECTO.

MASCHIO A MACCHINA HSS-E DIN DRITTO.

HSS E | BRIGHT UNCOATED | DIN 40433

C FORM | Pg



Metal tapping. Short filings. Robustness, accuracy.

Roscado de metales de viruta corta. Confort, precisión.

Filettatura dei metalli a truciolo corto. Robustezza e precisione.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

9653011	EAN	Ø	P	L	l	d2	DIN	QTY	PCB
965301100700200	8420609351631	PG 7	20	100	22	9	40433	1	1
965301100900180	8420609351648	PG 9	18	100	25	12	40433	1	1
965301101100180	8420609351655	PG 11	18	110	25	14	40433	1	1
965301101350180	8420609351662	PG 13,5	18	125	25	16	40433	1	1
965301101600180	8420609351679	PG 16	18	125	25	18	40433	1	1
965301102100160	8420609351693	PG 21	16	150	28	20	40433	1	1
965301102900160	8420609351709	PG 29	16	170	32	28	40433	1	1

HSS MACHINE TAP STRAIGHT. SHORT SERIES.

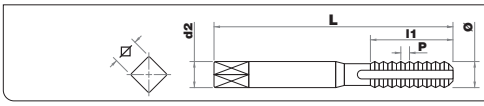
MACHO DE MÁQUINA HSS RECTO. SERIE CORTA.

MASCHIO A MACCHINA HSS DRITTO. CORTO.

#03

HSS | BRIGHT UNCOATED | TIVOLY NORM

C FORM | 1:16 | NPT



Metal tapping. Short filings. Robustness, accuracy.

Roscado de metales de viruta corta. Confort, precisión.

Filettatura dei metalli a truciolo corto. Robustezza e precisione.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

9643101	EAN	Ø	P	L	l	d2	TIV.	QTY	PCB
964310100116270	8420609351143	NPT 1/16	27	56	16	6	-	1	1
964310100180270	8420609351174	NPT 1/8	27	70	21	8	-	1	1
964310100140180	8420609351167	NPT 1/4	18	70	28	11	-	1	1
964310100380180	8420609351198	NPT 3/8	18	75	28	14	-	1	1
964310100120140	8420609351150	NPT 1/2	14	80	35	18	-	1	1
964310100340140	8420609351181	NPT 3/4	14	90	35	22	-	1	1
964310110000115	8420609351211	NPT 1"	11,5	110	45	25	-	1	1

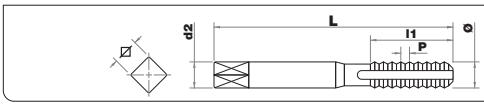
HSS MACHINE TAP STRAIGHT .

MACHO DE MÁQUINA HSS RECTO.

MASCHIO A MACCHINA HSS DRITTO.

HSS | BRIGHT UNCOATED | simDiN 5156

C FORM | 1:16 | NPT



Metal tapping. Short filings. Robustness, accuracy.

Roscado de metales de viruta corta. Confort, precisión.

Filettatura dei metalli a truciolo corto. Robustezza e precisione.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

9643011	EAN	Ø	P	L	l	d2	simDIN	QTY	PCB
964301100116270	8420609351020	NPT 1/16	27	90	16	6	5156	1	1
964301100180270	8420609351051	NPT 1/8	27	90	21	8	5156	1	1
964301100140180	8420609351044	NPT 1/4	18	100	28	11	5156	1	1
964301100380180	8420609351075	NPT 3/8	18	110	28	14	5156	1	1
964301100120140	8420609351037	NPT 1/2	14	140	35	18	5156	1	1
964301100340140	8420609351068	NPT 3/4	14	140	35	22	5156	1	1
964301110000115	8420609351099	NPT 1"	11,5	160	45	25	5156	1	1
964301110140115	8420609351112	NPT 1"1/4	11,5	170	45	32	5156	1	1

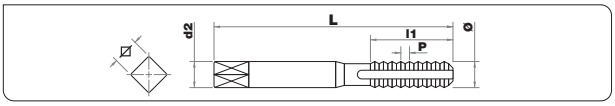
HSS MACHINE TAP STRAIGHT. SHORT SERIES.

MACHO DE MÁQUINA HSS RECTO. SERIE CORTA.

MASCHIO A MACCHINA HSS DRITTO. CORTO.

HSS | BRIGHT UNCOATED | TIVOLY NORM

C FORM | 1:16 | BSPT Rc



Metal tapping. Short filings. Robustness, accuracy.

Roscado de metales de viruta corta. Confort, precisión.

Filettatura dei metalli a truciolo corto. Robustezza e precisione.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

9663101	EAN	Ø	P	L	l	d2	TIV.	QTY	PCB
966310100180280	8420609351945	RC 1/8	28	70	21	8	-	1	1
966310100140190	8420609351938	RC 1/4	19	70	28	11	-	1	1
966310100380190	8420609351969	RC 3/8	19	75	28	14	-	1	1
966310100120140	8420609351921	RC 1/2	14	80	35	18	-	1	1
966310100580140	8420609351976	RC 5/8	14	90	35	18	-	1	1
966310100340140	8420609351952	RC 3/4	14	90	35	22	-	1	1
966310110000110	8420609351990	RC 1"	11	110	45	25	-	1	1

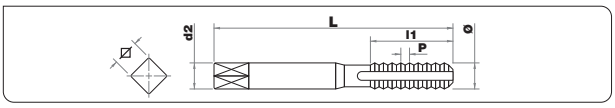
HSS MACHINE TAP STRAIGHT.

MACHO DE MÁQUINA HSS RECTO.

MASCHIO A MACCHINA HSS DRITTO.

HSS | BRIGHT UNCOATED | simDiN 5156

C FORM | 1:16 | BSPT Rc



Metal tapping. Short filings. Robustness, accuracy.

Roscado de metales de viruta corta. Confort, precisión.

Filettatura dei metalli a truciolo corto. Robustezza e precisione.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

9663011	EAN	Ø	P	L	l	d2	simDIN	QTY	PCB
966301100180280	8420609351853	RC 1/8	27	90	21	8	5156	1	1
966301100140190	8420609351846	RC 1/4	18	100	28	11	5156	1	1
966301100380190	8420609351877	RC 3/8	18	110	28	14	5156	1	1
966301100120140	8420609351839	RC 1/2	14	140	35	18	5156	1	1
966301100580140	8420609351884	RC 5/8	14	140	35	22	5156	1	1
966301100340140	8420609351860	RC 3/4	11,5	160	45	25	5156	1	1

#03

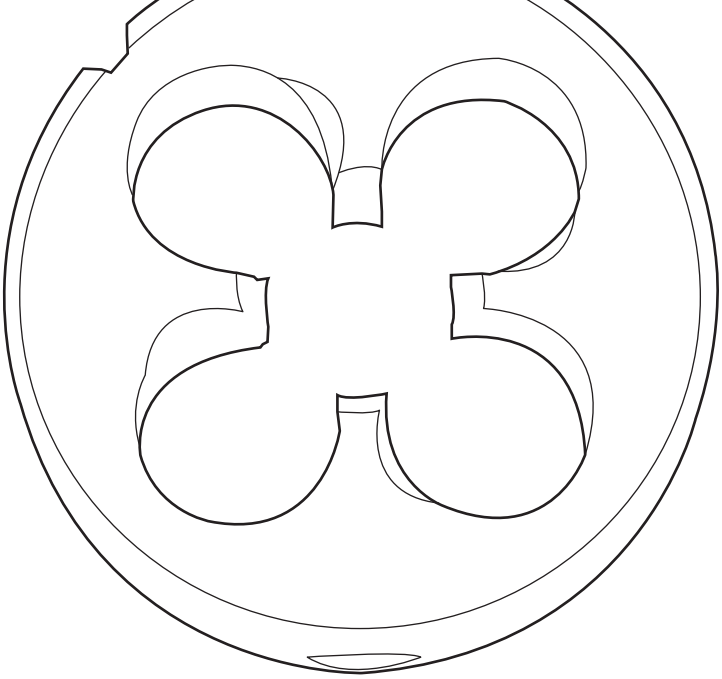
GENE-
RAL
CATALOGUE

THREADING

COJINETES

FILETTATURA

#04/08



THREADING
COJINETES
FILETTATURA

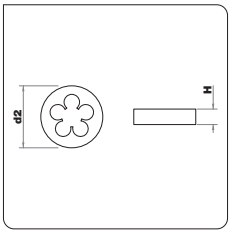
DIES **226**
COJINETES
FILETTATURA

M / MF
UNC / UNF
BSPG
BSW
Accessories. Accesorios. Accessori.

HSS ISO DIES. C FORM (CAGE 25,4), M/MF.

COJINETES HSS ISO FORMA C [DIAM. INT. 25,4-38,1-50,8- 63,5] M/MF.

FILIERA HSS ISO, FORMA C (Ÿ ESTERNO 25,4), M/MF.



Multipurpose threading. Comfort, accuracy.

Roscado multi-aplicaciÛn. Confort, precisiÛn.

Filettatura multiapplicazione. Comfort e precisione.

A Heat Treatable Steels <400N/mm≤
Aceros aleados y tratados < 400N/mm≤
Acciai per trattamento termico <700N/mm≤

B Heat Treatable Steels <700N/mm≤
Staal voor therm behandeling <700N/mm≤
Acciai per trattamento termico <700N/mm≤

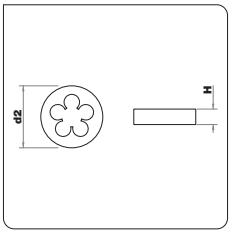
KLM Aluminium alloys
Aleaciones de aluminio
Alu.-Legierungen

1100031	EAN	ÿ	P	d2	NFE	QTY	PCB
1100031020040	3221910552473	M2	0,4	25,4	74001	1	1
1100031025045	3221910552497	M2,5	0,45	25,4	74001	1	1
1100031030050	3221910552503	M3	0,5	25,4	74001	1	1
1100031040070	3221910552534	M4	0,7	25,4	74001	1	1
1100031050080	3221910552589	M5	0,8	25,4	74001	1	1
1100031060100	3221910552626	M6	0,1	25,4	74001	1	1
1100031070100	3221910552640	M7	0,1	25,4	74001	1	1
1100031080125	3221910552688	M8	1,25	25,4	74001	1	1
1100031090125	3221910552718	M9	1,25	25,4	74001	1	1
1100031100150	3221910552749	M10	1,5	25,4	74001	1	1
1100031120175	3221910552770	M12	1,75	25,4	74001	1	1
1100031030060	3221910552510	MF3	0,6	25,4	74001	1	1
1100031035060	3221910552527	MF3,5	0,6	25,4	74001	1	1
1100031040075	3221910552541	MF4	0,75	25,4	74001	1	1
1100031040080	3221910552558	MF4	0,8	25,4	74001	1	1
1100031045075	3221910552565	MF4,5	0,75	25,4	74001	1	1
1100031050075	3221910552572	MF5	0,75	25,4	74001	1	1
1100031050090	3221910552596	MF5	0,9	25,4	74001	1	1
1100031050100	3221910552602	MF5	1	25,4	74001	1	1
1100031060075	3221910552619	MF6	0,75	25,4	74001	1	1
1100031060125	3221910552633	MF6	1,25	25,4	74001	1	1
1100031080100	3221910552671	MF8	1	25,4	74001	1	1
1100031080150	3221910552695	MF8	1,5	25,4	74001	1	1
1100031100100	3221910552725	MF10	1	25,4	74001	1	1
1100031100125	3221910552732	MF10	1,25	25,4	74001	1	1

HSS ISO DIES. C FORM (CAGE 38,1), M/MF.

COJINETES HSS ISO FORMA C [DIAM. INT. 25,4-38,1-50,8- 63,5] M MF.

FILIERA HSS ISO, FORMA C (Ÿ ESTERNO 38,1), M/MF.



Multipurpose threading. Comfort, accuracy.

Roscado multi-aplicaciÛn. Confort, precisiÛn.

Filettatura multiapplicazione. Comfort e precisione.

A Heat Treatable Steels <400N/mm≤
Aceros aleados y tratados < 400N/mm≤
Acciai per trattamento termico <700N/mm≤

B Heat Treatable Steels <700N/mm≤
Staal voor therm behandeling <700N/mm≤
Acciai per trattamento termico <700N/mm≤

KLM Aluminium alloys
Aleaciones de aluminio
Alu.-Legierungen

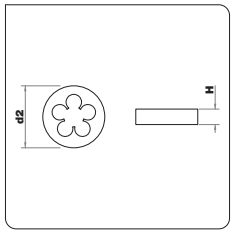
1100041	EAN	ÿ	P	d2	NFE	QTY	PCB
1100041080125	3221910553425	M8	1,25	38,1	74001	1	1
1100041090125	3221910553432	M9	1,25	38,1	74001	1	1
1100041100150	3221910553463	M10	1,5	38,1	74001	1	1
1100041110150	3221910553487	M11	1,5	38,1	74001	1	1
1100041120175	3221910553524	M12	1,75	38,1	74001	1	1
1100041130175	3221910553555	M13	1,75	38,1	74001	1	1
1100041140200	3221910553593	M14	2	38,1	74001	1	1
1100041160200	3221910553616	M16	2	38,1	74001	1	1
1100041180250	3221910553647	M18	2,5	38,1	74001	1	1
1100041200250	3221910553661	M20	2,5	38,1	74001	1	1
1100041100100	3221910553449	MF10	1	38,1	74001	1	1
1100041100125	3221910553456	MF10	1,25	38,1	74001	1	1
1100041120100	3221910553494	MF12	1	38,1	74001	1	1
1100041120125	3221910553500	MF12	1,25	38,1	74001	1	1
1100041120150	3221910553517	MF12	1,5	38,1	74001	1	1
1100041130150	3221910553548	MF13	1,5	38,1	74001	1	1
1100041140100	3221910553562	MF14	1	38,1	74001	1	1
1100041140125	3221910553579	MF14	1,25	38,1	74001	1	1
1100041140150	3221910553586	MF14	1,5	38,1	74001	1	1
1100041160150	3221910553609	MF16	1,5	38,1	74001	1	1
1100041180150	3221910553623	MF18	1,5	38,1	74001	1	1
1100041180200	3221910553630	MF18	2	38,1	74001	1	1
1100041200150	3221910553654	M20	1,5	38,1	74001	1	1

HSS ISO DIES. C FORM (CAGE 50,8), M/MF.

COJINETES HSS ISO FORMA C [DIAM. INT. 25,4-38,1-50,8- 63,5] M MF.

FILIERA HSS ISO, FORMA C (Ÿ ESTERNO 50,8), M/MF.

HSS | BRIGHT UNCOATED | NFE 74001 | 50,8 | C FORM | METRIC FINE



Multipurpose threading. Comfort, accuracy.

Roscado multi-aplicaciÛn. Confort, precisiÛn.

Filettatura multiapplicazione. Comfort e precisione.

A Heat Treatable Steels <400N/mm≤
Aceros aleados y tratados < 400N/mm≤
Acciai per trattamento termico <700N/mm≤

B Heat Treatable Steels <700N/mm≤
Staal voor therm behandeling <700N/mm≤
Acciai per trattamento termico <700N/mm≤

KLM Aluminium alloys
Aleaciones de aluminio
Alu.-Legierungen

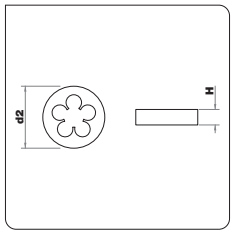
1100051	EAN	ÿ	P	d2	NFE	QTY	PCB
1100051160200	3221910709372	M16	2	50,8	74001	1	1
1100051180250	3221910709396	M18	2,5	50,8	74001	1	1
1100051200250	3221910709419	M20	2,5	50,8	74001	1	1
1100051220250	3221910709433	M22	2,5	50,8	74001	1	1
1100051240300	3221910709457	M24	3	50,8	74001	1	1
1100051270300	3221910709464	M27	3	50,8	74001	1	1
1100051180150	3221910709389	MF18	1,5	50,8	74001	1	1
1100051200150	3221910709402	MF20	1,5	50,8	74001	1	1
1100051220150	3221910709426	MF22	1,5	50,8	74001	1	1
1100051240150	3221910709440	MF24	1,5	50,8	74001	1	1

HSS ISO DIES. C FORM (CAGE 63,5), M/MF.

COJINETES HSS ISO FORMA C [DIAM. INT. 25,4-38,1-50,8- 63,5] M MF.

FILIERA HSS ISO, FORMA C (Ÿ ESTERNO 63,5), M/MF.

HSS | BRIGHT UNCOATED | NFE 74001 | 63,5 | C FORM | METRIC FINE



Multipurpose threading. Comfort, accuracy.

Roscado multi-aplicaciÛn. Confort, precisiÛn.

Filettatura multiapplicazione. Comfort e precisione.

A Heat Treatable Steels <400N/mm≤
Aceros aleados y tratados < 400N/mm≤
Acciai per trattamento termico <700N/mm≤

B Heat Treatable Steels <700N/mm≤
Staal voor therm behandeling <700N/mm≤
Acciai per trattamento termico <700N/mm≤

KLM Aluminium alloys
Aleaciones de aluminio
Alu.-Legierungen

1100061	EAN	ÿ	P	d2	NFE	QTY	PCB
1100061240300	3221910709679	M24	3	63,5	74001	1	1
1100061270300	3221910709709	M27	3	63,5	74001	1	1
1100061300350	3221910709747	M30	3,5	63,5	74001	1	1
1100061330350	3221910709754	M33	3,5	63,5	74001	1	1
1100061360400	3221910709761	M36	4	63,5	74001	1	1
1100061270150	3221910709686	MF27	1,5	63,5	74001	1	1
1100061270200	3221910709693	MF27	2	63,5	74001	1	1
1100061280150	3221910709716	MF28	1,5	63,5	74001	1	1
1100061300150	3221910709723	MF30	1,5	63,5	74001	1	1
1100061300200	3221910709730	MF30	2	63,5	74001	1	1

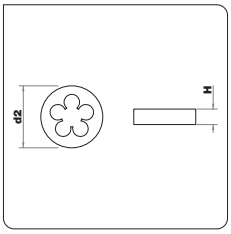
HSS DIN DIES. B FORM, M.

COJINETES HSS DIN ENTRADA FORMA B M.

FILIERA HSS DIN, FORMA B, M.

#04

HSS | BRIGHT UNCOATED | EN 22568 | 16-75 | GUN B FORM | METRIC



Multipurpose threading. Comfort, accuracy.

Roscado multi-aplicaciÛn. Confort, precisiÛn.

Filettatura multiapplicazione. Comfort e precisione.

A Heat Treatable Steels <400N/mm≤
Aceros aleados y tratados < 400N/mm≤
Acciai per trattamento termico <700N/mm≤

B Heat Treatable Steels <700N/mm≤
Staal voor therm behandeling <700N/mm≤
Acciai per trattamento termico <700N/mm≤

KLM Aluminium alloys
Aleaciones de aluminio
Alu.-Legierungen

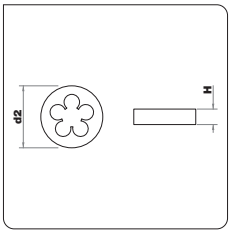
1100411	EAN	ÿ	P	H	d2	EN	QTY	PCB
1100411020040	3221910712198	M2	0,4	5	16	22568	1	1
1100411025045	3221910712204	M2,5	0,45	5	16	22568	1	1
1100411030050	3221910712211	M3	0,5	5	20	22568	1	1
1100411040070	3221910712228	M4	0,7	5	20	22568	1	1
1100411050080	3221910712235	M5	0,8	7	20	22568	1	1
1100411060100	3221910712242	M6	1	7	20	22568	1	1
1100411070100	3221910712259	M7	1	9	25	22568	1	1
1100411080125	3221910712266	M8	1,25	9	25	22568	1	1
1100411090125	3221910712273	M9	1,25	9	25	22568	1	1
1100411100150	3221910712280	M10	1,5	11	30	22568	1	1
1100411110150	3221910712297	M11	1,5	11	30	22568	1	1
1100411120175	3221910712303	M12	1,75	14	38	22568	1	1
1100411140200	3221910712310	M14	2	14	38	22568	1	1
1100411160200	3221910712327	M16	2	18	45	22568	1	1
1100411180250	3221910712334	M18	2,5	18	45	22568	1	1
1100411200250	3221910712341	M20	2,5	18	45	22568	1	1
1100411220250	3221910712358	M22	2,5	22	55	22568	1	1
1100411240300	3221910712365	M24	3	22	55	22568	1	1
1100411270300	3221910712372	M27	3	25	65	22568	1	1
1100411300350	3221910712389	M30	3,5	25	65	22568	1	1
1100411330350	3221910712396	M33	3,5	25	65	22568	1	1
1100411360400	3221910712402	M36	4	25	65	22568	1	1
1100411390400	3221910712419	M39	4	30	75	22568	1	1
1100411420450	3221910712426	M42	4,5	30	75	22568	1	1

HSS DIN DIES. B FORM, MF.

COJINETES HSS DIN ENTRADA FORMA B MF.

FILIERA HSS DIN, FORMA B, MF.

HSS | BRIGHT UNCOATED | EN 22568 | 25-65 | GUN B FORM | METRIC METRIC FINE



Multipurpose threading. Comfort, accuracy.

Roscado multi-aplicaciÛn. Confort, precisiÛn.

Filettatura multiapplicazione. Comfort e precisione.

A Heat Treatable Steels <400N/mm≤
Aceros aleados y tratados < 400N/mm≤
Acciai per trattamento termico <700N/mm≤

B Heat Treatable Steels <700N/mm≤
Staal voor therm behandeling <700N/mm≤
Acciai per trattamento termico <700N/mm≤

KLM Aluminium alloys
Aleaciones de aluminio
Alu.-Legierungen

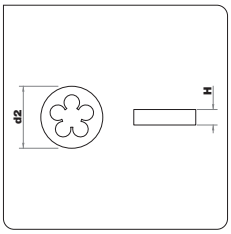
1100441	EAN	ÿ	P	H	d2	EN	QTY	PCB
1100441080100	3221910712761	MF8	1	9	25	22568	1	1
1100441100100	3221910712778	MF10	1	11	30	22568	1	1
1100441100125	3221910712785	MF10	1,25	11	30	22568	1	1
1100441120100	3221910712792	MF12	1	10	38	22568	1	1
1100441120125	3221910712808	MF12	1,25	10	38	22568	1	1
1100441120150	3221910712815	MF12	1,5	10	38	22568	1	1
1100441140100	3221910712822	MF14	1	10	38	22568	1	1
1100441140125	3221910712839	MF14	1,25	10	38	22568	1	1
1100441140150	3221910712846	MF14	1,5	10	38	22568	1	1
1100441160150	3221910712853	MF16	1,5	14	45	22568	1	1
1100441180150	3221910712860	MF18	1,5	14	45	22568	1	1
1100441200150	3221910712877	MF20	1,5	14	45	22568	1	1
1100441220150	3221910712884	MF22	1,5	16	55	22568	1	1
1100441240150	3221910712891	MF24	1,5	16	55	22568	1	1
1100441300150	3221910712907	MF30	1,5	18	65	22568	1	1

HSS DIN DIES. C FORM, UNC.

COJINETES HSS DIN ENTRADA FORMA B UNC.

FILIERA HSS DIN, FORMA C, UNC.

HSS | BRIGHT UNCOATED | EN 22568 | 20-45 | GUN B FORM | UNC



Multipurpose threading. Comfort, accuracy.

Roscado multi-aplicaciÛn. Confort, precisiÛn.

Filettatura multiapplicazione. Comfort e precisione.

A Heat Treatable Steels <400N/mm≤
Aceros aleados y tratados < 400N/mm≤
Acciai per trattamento termico <700N/mm≤

B Heat Treatable Steels <700N/mm≤
Staal voor therm behandeling <700N/mm≤
Acciai per trattamento termico <700N/mm≤

KLM Aluminium alloys
Aleaciones de aluminio
Alu.-Legierungen

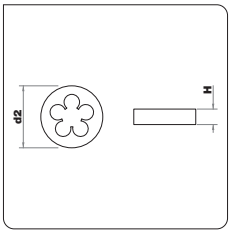
1100471	EAN	ÿ	P	H	d2	EN	QTY	PCB
11004710005	3221910713157	UNC5	40	5	20	22568	1	1
11004710006	3221910713164	UNC6	32	5	20	22568	1	1
11004710008	3221910713171	UNC8	32	5	20	22568	1	1
11004710010	3221910713188	UNC10	24	7	20	22568	1	1
11004710012	3221910713195	UNC12	24	7	20	22568	1	1
11004710104	3221910713218	UNC1/4	20	7	20	22568	1	1
11004710516	3221910713249	UNC5/16	18	9	25	22568	1	1
11004710308	3221910713232	UNC3/8	16	11	30	22568	1	1
11004710716	3221910713256	UNC7/16	14	11	30	22568	1	1
11004710102	3221910713201	UNC1/2	13	14	38	22568	1	1
11004710304	3221910713225	UNC3/4	10	18	45	22568	1	1

HSS DIN DIES. B FORM, UNF.

COJINETES HSS DIN ENTRADA FORMA B UNF.

FILIERA HSS DIN, FORMA B, UNF.

HSS | BRIGHT UNCOATED | EN 22568 | 20-45 | GUN B FORM | UNF



Multipurpose threading. Comfort, accuracy.

Roscado multi-aplicaciÛn. Confort, precisiÛn.

Filettatura multiapplicazione. Comfort e precisione.

A Heat Treatable Steels <400N/mm≤
Aceros aleados y tratados < 400N/mm≤
Acciai per trattamento termico <700N/mm≤

B Heat Treatable Steels <700N/mm≤
Staal voor therm behandeling <700N/mm≤
Acciai per trattamento termico <700N/mm≤

KLM Aluminium alloys
Aleaciones de aluminio
Alu.-Legierungen

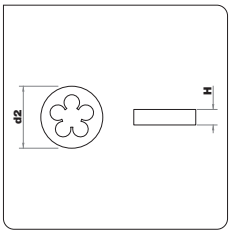
1100481	EAN	ÿ	P	H	d2	EN	QTY	PCB
11004810005	3221910713263	UNF5	44	5	20	22568	1	1
11004810006	3221910713270	UNF6	40	5	20	22568	1	1
11004810008	3221910713287	UNF8	36	5	20	22568	1	1
11004810010	3221910713294	UNF10	32	7	20	22568	1	1
11004810012	3221910713300	UNF12	28	7	20	22568	1	1
11004810104	3221910713324	UNF1/4	28	7	20	22568	1	1
11004810516	3221910713355	UNF5/16	24	9	25	22568	1	1
11004810308	3221910713348	UNF3/8	24	11	30	22568	1	1
11004810716	3221910713362	UNF7/16	20	11	30	22568	1	1
11004810102	3221910713317	UNF1/2	20	10	38	22568	1	1
11004810304	3221910713331	UNF3/4	16	11	45	22568	1	1

HSS DIN DIES. B FORM, BSP G.

COJINETES HSS DIN ENTRADA FORMA B BSP G.

FILIERA HSS DIN, FORMA B, BSP G.

HSS | BRIGHT UNCOATED | EN 24231 | 30-90 | GUN B FORM | BSP G



Multipurpose threading. Comfort, accuracy.

Roscado multi-aplicaciÛn. Confort, precisiÛn.

Filettatura multiapplicazione. Comfort e precisione.

A Heat Treatable Steels <400N/mm≤
Aceros aleados y tratados < 400N/mm≤
Acciai per trattamento termico <700N/mm≤

B Heat Treatable Steels <700N/mm≤
Staal voor therm behandeling <700N/mm≤
Acciai per trattamento termico <700N/mm≤

KLM Aluminium alloys
Aleaciones de aluminio
Alu.-Legierungen

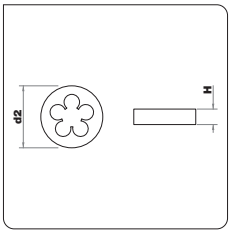
1100491	EAN	ÿ	P	H	d2	EN	QTY	PCB
11004910108	3221910713393	G1/8	28	11	30	24231	1	1
11004910104	3221910713386	G1/4	19	10	38	24231	1	1
11004910308	3221910713416	G3/8	19	14	45	24231	1	1
11004910102	3221910713379	G1/2	14	14	45	24231	1	1
11004910508	3221910713423	G5/8	14	16	55	24231	1	1
11004910304	3221910713409	G3/4	14	16	55	24231	1	1
11004910708	3221910713430	G7/8	14	18	65	24231	1	1
11004911000	3221910713447	G1	11	18	65	24231	1	1
11004911104	3221910713461	G1"1/4	11	20	75	24231	1	1
11004911102	3221910713454	G1"1/2	11	22	90	24231	1	1

HSS DIN DIES. B FORM, BSW.

COJINETES HSS DIN ENTRADA FORMA B BSW.

FILIERA HSS DIN, FORMA B, BSW.

HSS | BRIGHT UNCOATED | EN 24231 | 20-55 | GUN B FORM



Multipurpose threading. Comfort, accuracy.

Roscado multi-aplicaciÛn. Confort, precisiÛn.

Filettatura multiapplicazione. Comfort e precisione.

A Heat Treatable Steels <400N/mm≤
Aceros aleados y tratados < 400N/mm≤
Acciai per trattamento termico <700N/mm≤

B Heat Treatable Steels <700N/mm≤
Staal voor therm behandeling <700N/mm≤
Acciai per trattamento termico <700N/mm≤

KLM Aluminium alloys
Aleaciones de aluminio
Alu.-Legierungen

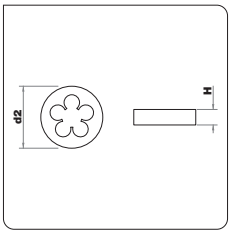
1100501	EAN	ÿ	P	H	d2	EN	QTY	PCB
11005010108	3221910713492	BSW1/8	40	5	20	24231	1	1
11005010532	3221910713553	BSW5/32	32	5	20	24231	1	1
11005010316	3221910713522	BSW3/16	24	7	20	24231	1	1
11005010104	3221910713485	BSW1/4	20	7	20	24231	1	1
11005010516	3221910713546	BSW5/16	18	9	25	24231	1	1
11005010308	3221910713515	BSW3/8	16	11	30	24231	1	1
11005010716	3221910713577	BSW7/16	14	11	30	24231	1	1
11005010102	3221910713478	BSW1/2	12	14	38	24231	1	1
11005010508	3221910713539	BSW5/8	11	18	45	24231	1	1
11005010304	3221910713508	BSW3/4	10	18	45	24231	1	1
11005010708	3221910713560	BSW7/8	9	22	55	24231	1	1
11005011000	3221910713584	BSW1"	8	22	55	24231	1	1

DIE HOLDER. STEEL BODY AND HANDLE.

PORTA COJINETES (ACERO).

PORTA FILIERA. CORPO E MANICO IN ACCIAIO.

TIVOLY NORM



Hand threading. Robustness, life span.

Roscado manual. Robustez, duracion de vida.

Filettatura manuale. Robustezza, lunga durata.

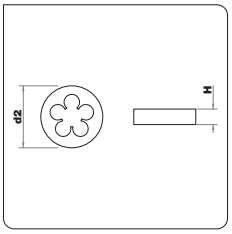
1110041	EAN	d2	TIV.	H		QTY	PCB
11100410254	3221910554309	25,4	-			1	1
11100410381	3221910554316	38,1	-			1	1
11100410508	3221910554347	50,8	-			1	1
11100410635	3221910554354	63,5	-			1	1
11100410205	3221910554477	20	-	5	-	1	1
11100410207	3221910554491	20	-	7	-	1	1
11100410259	3221910554514	25	-	9	-	1	1
11100413011	3221910554583	30	-	11	-	1	1
11100413810	3221910554590	38	-	10	-	1	1
11100413814	3221910554606	38	-	14	-	1	1
11100414514	3221910554613	45	-	14	-	1	1
11100414518	3221910554620	45	-	18	-	1	1
11100415516	3221910554637	55	-	16	-	1	1
11100415522	3221910554644	55	-	22	-	1	1
11100416518	3221910554651	65	-	18	-	1	1
11100416525	3221910554668	65	-	25	-	1	1

END DIE HOLDER. STEEL BODY.

ALARGADOR DE PORTA COJINETES (ACERO).

PORTA FILIERA VERTICALE. CORPO IN ACCIAIO.

TIVOLY NORM



Machine threading. Robustness, life span.

Roscado a m·quina. Robustez, duraciÛn de vida.

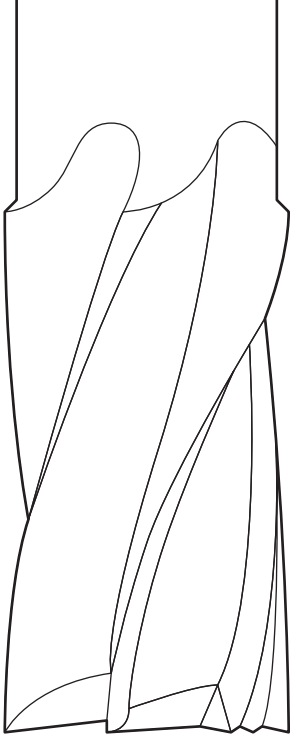
Filettatura manuale. Robustezza, lunga durata.

1110051	EAN	ÿ	QTY	PCB
11100510254	3221910714642	25,4	1	1
11100510381	3221910714659	38,1	1	1

GENE-
RAL
CATALOGUE

MILLING
FRESADO
FRESATURA

#05/08



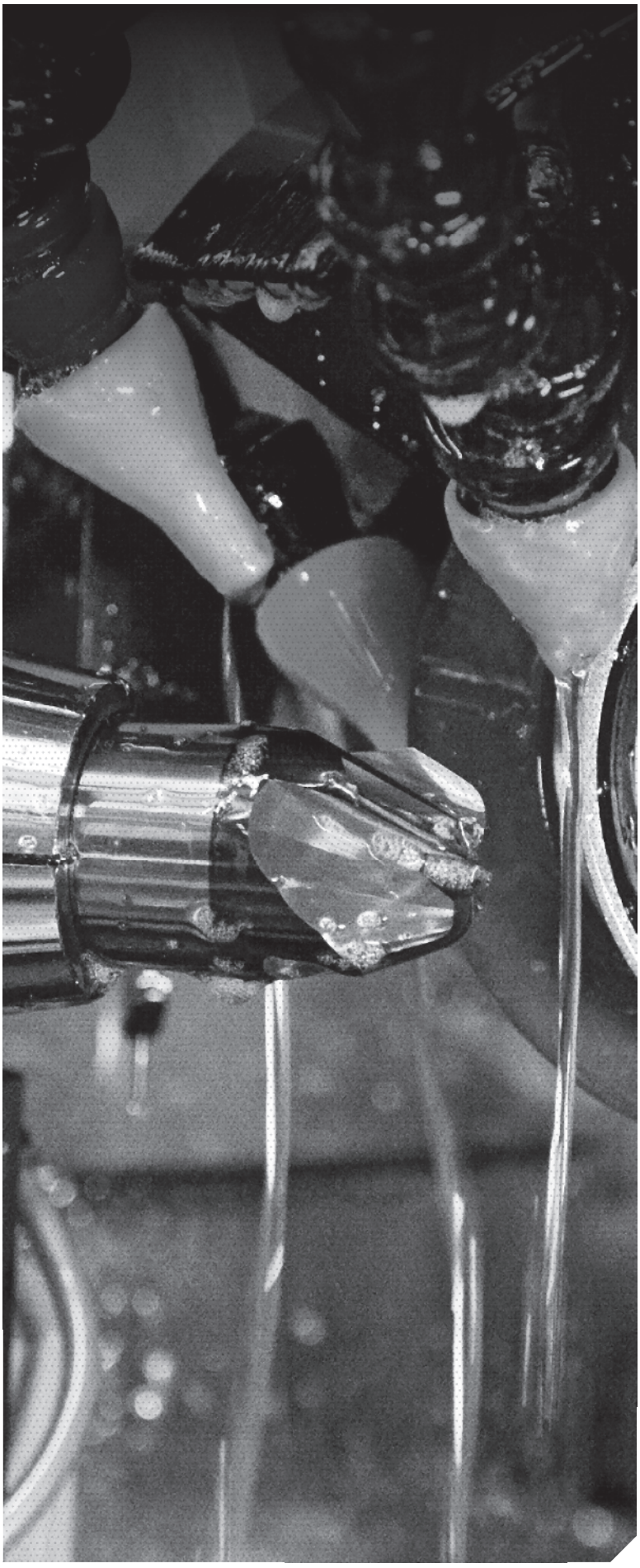
MILLING
FRESADO
FRESATURA

CARBIDE END MILLS 238 #05
FRESAS METAL DURO
FRESE CARBURE

HSS END MILLS 280 #05
FRESAS HSS
FRESE HSS

COUNTERSINK BITS 308 #05
AVELLANADORES
SVASATORI/LAMATURA

CARBIDE ROTARY BURRS 314 #05
FRESAS LIMA
FRESE LIMA



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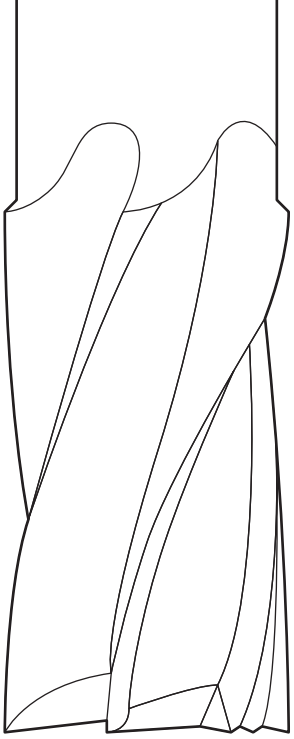


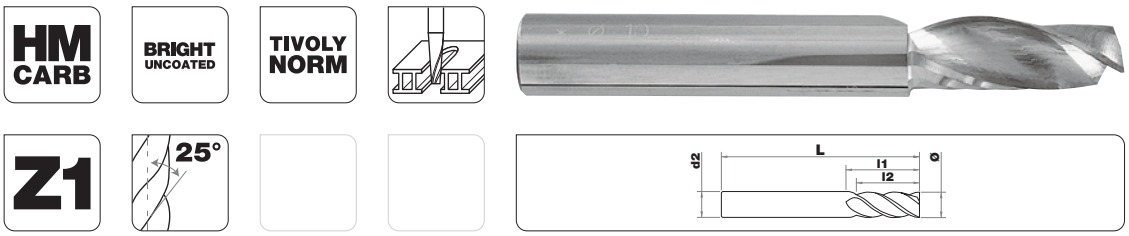
CARBIDE END MILLS 238
FRESAS METAL DURO
FRESE CARBURE

HSS END MILLS 280
FRESAS HSS
FRESE HSS

COUNTERSINK BITS 308
AVELLANADORES
SVASATORI/LAMATURA

CARBIDE ROTARY BURRS 314
FRESAS LIMA
FRESE LIMA

SOLID CARBIDE END MILLS 25° Z1. | FRESA METAL DURO 25°. Z1. | FRESA IN MD 25°. Z1.



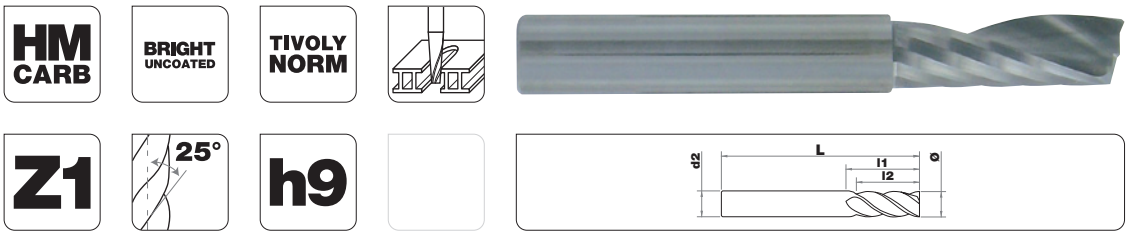
Light alloys application. | Aplicación en perfiles de aluminio. | Scontornatura di profilati in alluminio.

KLM — Aluminium alloys / Aleaciones de aluminio / Leghe di alluminio

P — Composite Plastics / Composites plásticos / Plastiche composite

8232971	EAN	Ø	d2	L	l2	QTY	PCB
82329710200	3221910793708	2	2	38	10	1	1
82329710250	3221910793715	2,5	3	38	12	1	1
82329710300	3221910793722	3	3	38	12	1	1
82329710400	3221910793739	4	4	50	15	1	1
82329710500	3221910793746	5	5	50	16	1	1
82329710600	3221910793753	6	6	57	18	1	1
82329710800	3221910793760	8	8	63	22	1	1
82329711000	3221910793777	10	10	72	30	1	1

SOLID CARBIDE END MILLS, 25°, Z1. | FRESA METAL DURO 25°, Z1. | FRESA IN MD 25°. Z1.



Designed for plastics and woods. | Diseñado para plásticos y maderas. | Concepita per materiali plastici e legno.

P — Composite Plastics / Composites plásticos / Plastiche composite

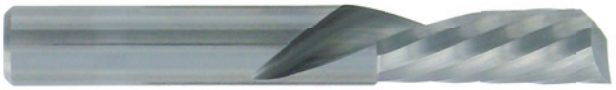
8236651	EAN	Ø	d2	L	l2	QTY	PCB
82366510200	3221910875367	2	2	30	8	1	1
82366510300	3221910875374	3	3	40	10	1	1
82366510400	3221910875381	4	4	50	10	1	1
82366510600	3221910875398	6	6	60	20	1	1
82366510800	3221910875404	8	8	60	22	1	1
82366511000	3221910875411	10	10	72	30	1	1
82366511200	3221910875428	12	12	76	32	1	1

SOLID CARBIDE END MILLS, 25°, Z1. LEFT HAND/RIGHT CUTTING.

FRESA METAL DURO 25°. Z1. IZQUIERDA.

FRESA IN MD 25°. Z1. SINISTRA.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM



Z1 | 25° | h9

Designed for plastics and woods.

Diseñado para plásticos y maderas.

Concepita per materiali plastici e legno.

P — Composite Plastics / Composites plásticos / Plastiche compcsite

8236661	EAN	Ø	d2	L	l2	QTY	PCB
82366610200	3221910875558	2	2	30	8	1	1
82366610300	3221910875565	3	3	40	10	1	1
82366610400	3221910875572	4	4	50	10	1	1
82366610600	3221910875589	6	6	60	20	1	1
82366610800	3221910875596	8	8	60	22	1	1

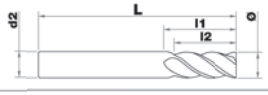
SOLID CARBIDE END MILLS, 25°, Z2.

FRESA METAL DURO 25°, Z2.

FRESA IN MD 25°. Z2.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

Z2 | 25° | h9



Designed for plastics and woods.

Diseñado para plásticos y maderas.

Concepita per materiali plastici e legno.

P — Composite Plastics / Composites plásticos / Plastiche compcsite

8236671	EAN	Ø	d2	L	l2	QTY	PCB
82366710200	3221910875602	2	2	39	8	1	1
82366710300	3221910875619	3	3	39	10	1	1
82366710400	3221910875626	4	4	50	12	1	1
82366710600	3221910875633	6	6	60	20	1	1
82366710800	3221910875640	8	8	60	22	1	1
82366711000	3221910875657	10	10	72	30	1	1
82366711200	3221910875664	12	12	76	32	1	1

SOLID CARBIDE END MILLS, 20°, Z2, RAKE ANGLE 15°.

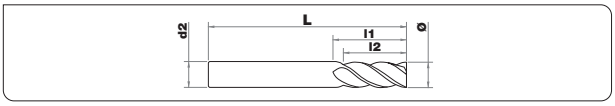
FRESA METAL DURO , 20°, Z2, ÁNGULO DE CORTE 15°.

FRESA IN MD 20°. Z2 ANGOLO DI TAGLIO 15°.

#05

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

Z2 | 20° | e8



Designed for end milling of thin partitions.

Para el mecanizado de espesores finos. Alto rendimiento.

Concepito per la lavorazione di spessori sottili. Alte prestazioni.

K Fat aluminium alloys
Aleaciones de aluminio dúctil
Leghe di alluminio grasso

L Aluminium alloys Si<10%
Aleaciones de aluminio Si<10%
Leghe di alluminio grasso Si <10%

M Aluminium alloys Si>10%
Aleaciones de aluminio Si>10%
Leghe di alluminio Si >10%

82362410300	3221910829971	3	6	8	57	1	1
82362410400	3221910829988	4	6	11	57	1	1
82362410500	3221910829995	5	6	13	57	1	1
82362410600	3221910830007	6	6	13	57	1	1
82362410800	3221910830014	8	8	19	63	1	1
82362411000	3221910830021	10	10	22	72	1	1
82362411200	3221910830038	12	12	26	83	1	1
82362411400	3221910830045	14	14	26	83	1	1
82362411600	3221910830052	16	16	32	92	1	1
82362411800	3221910830069	18	18	32	92	1	1
82362412000	3221910830076	20	20	38	104	1	1

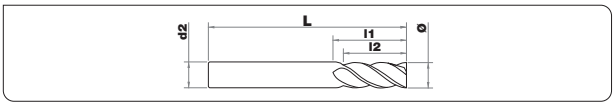
SOLID CARBIDE SLIDECUT END MILLS, 20°, Z2, RAKE ANGLE 15°.

FRESA METAL DURO SLIDECUT, 20°, Z2, ÁNGULO DE CORTE 15°.

FRESA IN MD SLIDECUT 20°. Z2 ANGOLO DI TAGLIO 15°.

HM CARB | SLIDE CUT COATED | TIVOLY NORM

Z2 | 20° | e8



Designed for end milling of thin partitions.

Para el mecanizado de espesores finos. Alto rendimiento.

Concepito per la lavorazione di spessori sottili. Alte prestazioni.

K Fat aluminium alloys
Aleaciones de aluminio dúctil
Leghe di alluminio grasso

L Aluminium alloys Si<10%
Aleaciones de aluminio Si<10%
Leghe di alluminio grasso Si <10%

M Aluminium alloys Si>10%
Aleaciones de aluminio Si>10%
Leghe di alluminio Si >10%

82362510300	3221910830083	3	6	8	57	1	1
82362510400	3221910830090	4	6	11	57	1	1
82362510500	3221910830106	5	6	13	57	1	1
82362510600	3221910830113	6	6	13	57	1	1
82362510800	3221910830120	8	8	19	63	1	1
82362511000	3221910830137	10	10	22	72	1	1
82362511200	3221910830144	12	12	26	83	1	1
82362511400	3221910830151	14	14	26	83	1	1
82362511600	3221910830168	16	16	32	92	1	1
82362511800	3221910830175	18	18	32	92	1	1
82362512000	3221910830182	20	20	38	104	1	1

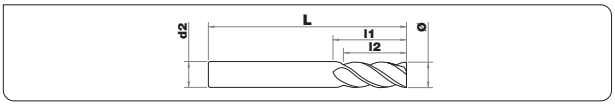
SOLID CARBIDE END MILLS, 45°, Z2.

FRESA METAL DURO 45°. Z2.

FRESA IN MD 45°. Z2.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

Z2 | 45° | e8



Light alloys application.

Fresado y ranurado de aluminio.

Frsatura e scanalatura di alluminio.

KLM — Aluminium alloys / Aleaciones de aluminio / Leghe di alluminio

P — Composite Plastics / Composites plásticos / Plastiche composite

8236131	EAN	Ø	d2	L	l2	QTY	PCB
82361310100	3221910822170	1	3	39	3	1	1
82361310150	3221910822187	1,5	3	39	5	1	1
82361310200	3221910822194	2	3	39	7	1	1
82361310250	3221910822200	2,5	3	39	7	1	1
82361310300	3221910822217	3	3	39	9	1	1
82361310400	3221910822224	4	4	51	12	1	1
82361310500	3221910822231	5	5	51	16	1	1
82361310600	3221910822248	6	6	64	19	1	1
82361310700	3221910822255	7	8	64	19	1	1
82361310800	3221910822262	8	8	64	21	1	1
82361310900	3221910822279	9	10	70	22	1	1
82361311000	3221910822286	10	10	70	22	1	1
82361311200	3221910822293	12	12	76	25	1	1
82361311400	3221910822309	14	14	89	30	1	1
82361311600	3221910822316	16	16	89	32	1	1
82361311800	3221910822323	18	18	102	35	1	1
82361312000	3221910822330	20	20	102	38	1	1
82361312200	3221910822347	22	22	102	38	1	1
82361312500	3221910822354	25	25	102	38	1	1

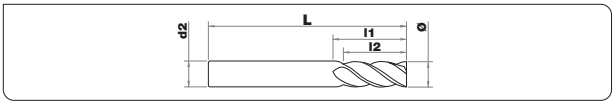
SOLID CARBIDE ALCUT END MILLS, 45°, Z2.

FRESA METAL DURO ALCUT 45°. Z2.

FRESA IN MD ALCUT 45°. Z2.

HM CARB | ALCUT COATED | TIVOLY NORM

Z2 | 45° | e8



Light alloys application.

Fresado y ranurado de aluminio.

Frsatura e scanalatura di alluminio.

KLM — Aluminium alloys / Aleaciones de aluminio / Leghe di alluminio

P — Composite Plastics / Composites plásticos / Plastiche composite

8236141	EAN	Ø	d2	L	l2	QTY	PCB
82361410100	3221910822361	1	3	39	3	1	1
82361410150	3221910822378	1,5	3	39	5	1	1
82361410200	3221910822385	2	3	39	7	1	1
82361410250	3221910822392	2,5	3	39	7	1	1
82361410300	3221910822408	3	3	39	9	1	1
82361410400	3221910822415	4	4	51	12	1	1
82361410500	3221910822422	5	5	51	16	1	1
82361410600	3221910822439	6	6	64	19	1	1
82361410700	3221910822446	7	8	64	19	1	1

8236141	EAN	Ø	d2	L	l2	QTY	PCB
82361410800	3221910822453	8	8	64	21	1	1
82361410900	3221910822460	9	10	70	22	1	1
82361411000	3221910822477	10	10	70	22	1	1
82361411200	3221910822484	12	12	76	25	1	1
82361411400	3221910822491	14	14	89	30	1	1
82361411600	3221910822507	16	16	89	32	1	1
82361411800	3221910822514	18	18	102	35	1	1
82361412000	3221910822521	20	20	102	38	1	1
82361412200	3221910822538	22	22	102	38	1	1
82361412500	3221910822545	25	25	102	38	1	1

SOLID CARBIDE END MILLS, DIN, Z2 CHAMFER EDGE PROTECT.

FRESA METAL DURO Z2, CHAFLÁN DE PROTECCIÓN.

FRESA IN MD Z2 CON SMUSSI DI PROTEZIONE.

HM CARB

BRIGHT UNCOATED

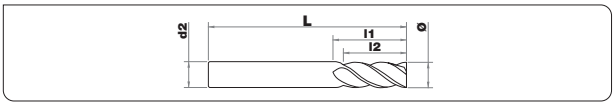
TIVOLY NORM

Ch

Z2

30°

e8



Universal application.

Fresado y ranurado, uso universal.

Fresatura e scanalatura polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

8236021	EAN	Ø	d2	L	l2	QTY	PCB
82360210100	3221910793975	1	3	39	3	1	1
82360210150	3221910793982	1,5	3	39	5	1	1
82360210200	3221910793999	2	3	39	7	1	1
82360210250	3221910794002	2,5	3	39	7	1	1
82360210300	3221910794019	3	3	39	9	1	1
82360210350	3221910794026	3,5	4	51	12	1	1
82360210400	3221910794033	4	4	51	14	1	1
82360210450	3221910794040	4,5	5	51	14	1	1
82360210500	3221910794057	5	5	51	16	1	1
82360210600	3221910794064	6	6	64	19	1	1
82360210700	3221910794071	7	8	64	19	1	1
82360210800	3221910794088	8	8	64	21	1	1
82360210900	3221910794095	9	10	70	22	1	1
82360211000	3221910794101	10	10	70	22	1	1
82360211100	3221910794118	11	11	70	25	1	1
82360211200	3221910794125	12	12	76	25	1	1
82360211400	3221910794132	14	14	89	30	1	1
82360211600	3221910794149	16	16	89	32	1	1
82360211800	3221910794156	18	18	102	35	1	1
82360212000	3221910794163	20	20	102	38	1	1
82360212200	3221910794170	22	22	102	38	1	1
82360212500	3221910794187	25	25	102	38	1	1

SOLID CARBIDE HARDCUT END MILLS, DIN, Z2 CHAMFER EDGE PROTECT.

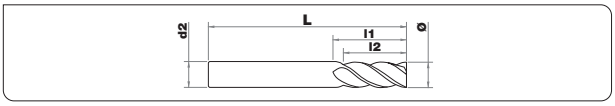
FRESA METAL DURO HARDCUT Z2, CHAFLÁN DE PROTECCIÓN.

FRESA IN MD HARDCUT Z2 CON SMUSSI DI PROTEZIONE.

#05

HM CARB | HARD CUT COATED | TIVOLY NORM | Ch

Z2 | 30° | e8



Universal application.

Fresado y ranurado, uso universal.

Fresatura e scanalatura polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

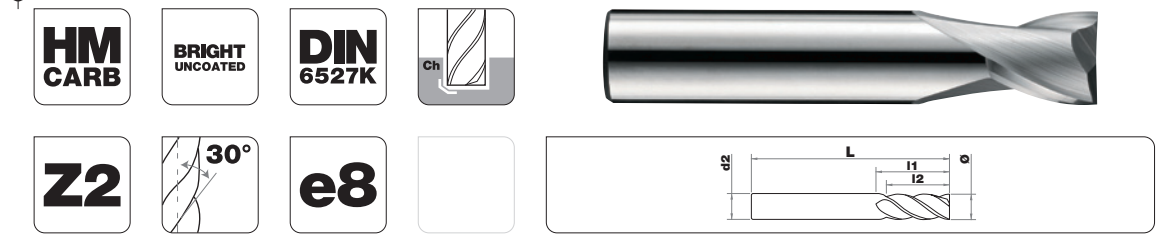
8236151	EAN	Ø	d2	L	l2	QTY	PCB
82361510100	3221910822552	1	3	39	3	1	1
82361510150	3221910822569	1,5	3	39	5	1	1
82361510200	3221910822576	2	3	39	7	1	1
82361510250	3221910822583	2,5	3	39	7	1	1
82361510300	3221910822590	3	3	39	9	1	1
82361510350	3221910822606	3,5	4	51	12	1	1
82361510400	3221910822613	4	4	51	14	1	1
82361510450	3221910822620	4,5	5	51	14	1	1
82361510500	3221910822637	5	5	51	16	1	1
82361510600	3221910822644	6	6	64	19	1	1
82361510700	3221910822651	7	8	64	19	1	1
82361510800	3221910822668	8	8	64	21	1	1
82361510900	3221910822675	9	10	70	22	1	1
82361511000	3221910822682	10	10	70	22	1	1
82361511100	3221910822699	11	11	70	25	1	1
82361511200	3221910822705	12	12	76	25	1	1
82361511400	3221910822712	14	14	89	30	1	1
82361511600	3221910822729	16	16	89	32	1	1
82361511800	3221910822736	18	18	102	35	1	1
82361512000	3221910822743	20	20	102	38	1	1
82361512200	3221910822750	22	22	102	38	1	1
82361512500	3221910822767	25	25	102	38	1	1

SOLID CARBIDE END MILLS, DIN, Z2 SHORT. CHAMFER EDGE PROTECT.

FRESA METAL DURO , DIN, Z2, CORTA.

FRESA IN MD DIN Z2 CORTA. SMUSSO DI PROTEZIONE.

#05



Universal application, life span, profitability.

Polivalencia, duración de vida, rentabilidad.

Polivalente, lunga durata, redditività.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

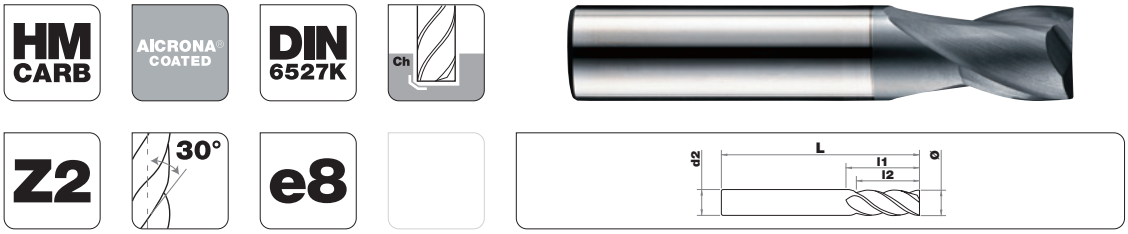
8236451	EAN	ø	d2	L	l2	QTY	PCB
82364510100	3221910872649	1	3	38	3	1	1
82364510150	3221910872656	1.5	3	38	3	1	1
82364510200	3221910872663	2	3	38	3	1	1
82364510250	3221910872670	2.5	3	38	3	1	1
82364510300	3221910872687	3	3	38	4	1	1
82364510350	3221910872694	3.5	6	50	4	1	1
82364510400	3221910872700	4	6	54	5	1	1
82364510450	3221910872717	4.5	6	54	5	1	1
82364510500	3221910872724	5	6	54	6	1	1
82364510600	3221910872731	6	6	54	7	1	1
82364510700	3221910872748	7	8	58	8	1	1
82364510800	3221910872755	8	8	58	9	1	1
82364510900	3221910872762	9	10	66	10	1	1
82364511000	3221910872779	10	10	66	11	1	1
82364511200	3221910872786	12	12	73	12	1	1
82364511400	3221910872793	14	14	75	14	1	1
82364511600	3221910872809	16	16	82	16	1	1
82364511800	3221910872816	18	18	84	18	1	1
82364512000	3221910872823	20	20	92	20	1	1

SOLID CARBIDE ALCRONA END MILLS, DIN, Z2 SHORT. CHAMFER EDGE PROTECT.

FRESA METAL DURO ALCRONA, DIN, Z2, CORTA.

FRESA IN MD DIN Z2 CORTA. SMUSSO DI PROTEZIONE.

#05



Universal application, life span, profitability.

Polivalencia, duración de vida, rentabilidad.

Polivalente, lunga durata, redditività.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

8236461	EAN	ø	d2	L	l2	QTY	PCB
82364610100	3221910872830	1	3	38	3	1	1
82364610150	3221910872847	1.5	3	38	3	1	1
82364610200	3221910872854	2	3	38	3	1	1
82364610250	3221910872861	2.5	3	38	3	1	1
82364610300	3221910872878	3	3	38	4	1	1
82364610350	3221910872885	3.5	6	50	4	1	1
82364610400	3221910872892	4	6	54	5	1	1
82364610450	3221910872908	4.5	6	54	5	1	1
82364610500	3221910872915	5	6	54	6	1	1
82364610600	3221910872922	6	6	54	7	1	1
82364610700	3221910872939	7	8	58	8	1	1
82364610800	3221910872946	8	8	58	9	1	1
82364610900	3221910872953	9	10	66	10	1	1
82364611000	3221910872960	10	10	66	11	1	1
82364611200	3221910872977	12	12	73	12	1	1
82364611400	3221910872984	14	14	75	14	1	1
82364611600	3221910872991	16	16	82	16	1	1
82364611800	3221910873004	18	18	84	18	1	1
82364612000	3221910873011	20	20	92	20	1	1

SOLID CARBIDE END MILLS, DIN, Z2, LONG. CHAMFER EDGE PROTECT.

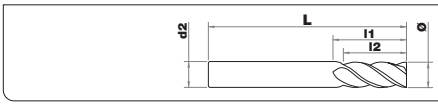
FRESA METAL DURO , DIN, Z2, LARGA.

FRESA IN MD DIN Z2 CORTA. SMUSSO DI PROTEZIONE.

#05

HM CARB | AICRONA® COATED | DIN 6527L | Ch

Z2 | 30° | e8



Universal application, life span, profitability.

Polivalencia, duración de vida, rentabilidad.

Polivalente, lunga durata, redditività.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

8236511	EAN	ø	d2	L	l2	QTY	PCB
82365110200	3221910873783	2	3	38	6	1	1
82365110250	3221910873790	2.5	3	38	7	1	1
82365110300	3221910873806	3	3	38	7	1	1
82365110350	3221910873813	3.5	6	57	7	1	1
82365110400	3221910873820	4	6	57	8	1	1
82365110450	3221910873837	4.5	6	57	8	1	1
82365110500	3221910873844	5	6	57	10	1	1
82365110600	3221910873851	6	6	57	10	1	1
82365110700	3221910873868	7	8	63	13	1	1
82365110800	3221910873875	8	8	63	16	1	1
82365110900	3221910873882	9	10	72	16	1	1
82365111000	3221910873899	10	10	72	19	1	1
82365111200	3221910873905	12	12	83	22	1	1
82365111400	3221910873912	14	14	83	22	1	1
82365111600	3221910873929	16	16	92	26	1	1
82365111800	3221910873936	18	18	92	26	1	1
82365112000	3221910873943	20	20	104	32	1	1

SOLID CARBIDE ALCRONA END MILLS, DIN, Z2, LONG. CHAMFER EDGE PROTECT.

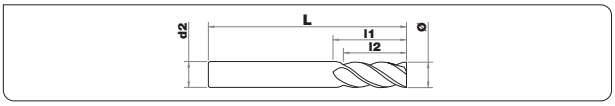
FRESA METAL DURO ALCRONA, DIN, Z2, LARGA.

FRESA IN MD DIN Z2 CORTA. SMUSSO DI PROTEZIONE.

#05

HM CARB | ALCRONA® COATED | DIN 6527L | Ch

Z2 | 30° | e8



Universal application, life span, profitability.

Polivalencia, duración de vida, rentabilidad.

Polivalente, lunga durata, redditività.

AB — Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD — Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH — Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ — Cast iron
Fundiciones
Ghisa

KLM — Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

8236521	EAN	Ø	d2	L	l2	QTY	PCB
82365210200	3221910873950	2	3	38	6	1	1
82365210250	3221910873967	2.5	3	38	7	1	1
82365210300	3221910873974	3	3	38	7	1	1
82365210350	3221910873981	3.5	6	57	7	1	1
82365210400	3221910873998	4	6	57	8	1	1
82365210450	3221910874001	4.5	6	57	8	1	1
82365210500	3221910874018	5	6	57	10	1	1
82365210600	3221910874025	6	6	57	10	1	1
82365210700	3221910874032	7	8	63	13	1	1
82365210800	3221910874049	8	8	63	16	1	1
82365210900	3221910874056	9	10	72	16	1	1
82365211000	3221910874063	10	10	72	19	1	1
82365211200	3221910874070	12	12	83	22	1	1
82365211400	3221910874087	14	14	83	22	1	1
82365211600	3221910874094	16	16	92	26	1	1
82365211800	3221910874100	18	18	92	26	1	1
82365212000	3221910874117	20	20	104	32	1	1

SOLID CARBI. , END MILLS, DIN, Z,2 EXTRA LONG. CHAMFER EDGE PROT.

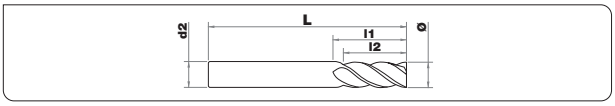
FRESA METAL DURO , DIN, Z2, EXTRA-LARGA.

FRESA IN MD Z2 EXTRA-LUNGA.

#05

HM CARB | BRIGHT UNCOATED | TIVOLY NORM | Ch

Z2 | 30° | e8



Universal application, life span, profitability.

Polivalencia, duración de vida, rentabilidad.

Polivalente, lunga durata, redditività.

AB — Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD — Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH — Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ — Cast iron
Fundiciones
Ghisa

KLM — Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

8236571	EAN	ø	d2	L	l2	QTY	PCB
82365710300	3221910874803	3	3	75	25	1	1
82365710400	3221910874810	4	6	75	25	1	1
82365710500	3221910874827	5	6	75	25	1	1
82365710600	3221910874834	6	6	75	25	1	1
82365710800	3221910874841	8	8	75	25	1	1
82365711000	3221910874858	10	10	100	45	1	1
82365711200	3221910874865	12	12	150	75	1	1
82365711400	3221910874872	14	14	150	75	1	1
82365711600	3221910874889	16	16	150	75	1	1
82365711800	3221910874896	18	18	150	75	1	1
82365712000	3221910874902	20	20	150	75	1	1

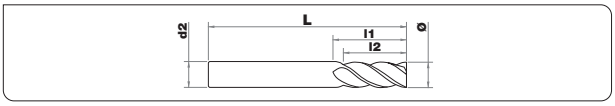
SOLID CARBI. ALCRONA, END MILLS, DIN, Z,2 EXTRA LONG. CHAMFER EDGE PROT.

FRESA METAL DURO ALCRONA, DIN, Z2, EXTRA-LARGA.

FRESA IN MD Z2 EXTRA-LUNGA.

HM CARB | AICRONA® COATED | TIVOLY NORM | Ch

Z2 | 30° | e8



Universal application, life span, profitability.

Polivalencia, duración de vida, rentabilidad.

Polivalente, lunga durata, redditività.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

8236581	EAN	Ø	d2	L	l2	QTY	PCB
82365810300	3221910874919	3	3	75	25	1	1
82365810400	3221910874926	4	6	75	25	1	1
82365810500	3221910874933	5	6	75	25	1	1
82365810600	3221910874940	6	6	75	25	1	1
82365810800	3221910874957	8	8	75	25	1	1
82365811000	3221910874964	10	10	100	45	1	1
82365811200	3221910874971	12	12	150	75	1	1
82365811400	3221910874988	14	14	150	75	1	1
82365811600	3221910874995	16	16	150	75	1	1
82365811800	3221910875008	18	18	150	75	1	1
82365812000	3221910875015	20	20	150	75	1	1

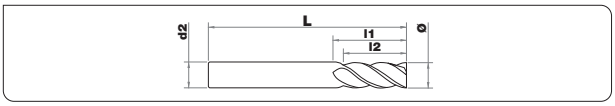
SOLID CARBIDE END MILLS, 25°, Z3, CHAMFER EDGE PROTECT.

FRESA METAL DURO 25°, Z3.

FRESA IN MD 25°. Z3. SMUSSO DI PROTEZIONE.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM | Ch

Z3 | 25° | h9



Designed for plastics and woods.

Diseñado para plásticos y maderas.

Concepito per i materiali plastici e il legno.

P Composite Plastics
Composites plásticos
Plastiche composite

8236681	EAN	Ø	d2	L	l2	QTY	PCB
82366810200	3221910875435	2	2	39	8	1	1
82366810300	3221910875442	3	3	39	10	1	1
82366810400	3221910875459	4	4	50	12	1	1
82366810600	3221910875466	6	6	60	20	1	1
82366810800	3221910875473	8	8	60	22	1	1
82366811000	3221910875480	10	10	72	30	1	1
82366811200	3221910875497	12	12	76	32	1	1

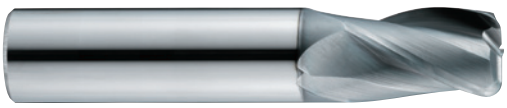
SOLID CARBIDE ALCRONA END MILLS Z3 CORNER RADIUS. RAKE ANGLE 16°.

FRESA MD ALCRONA Z3 CON RADIO. CORTE A 16°.

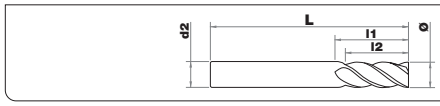
FRESA IN MD ALCRONA Z3 CON RAGGIO, TAGLIO A 16° .

#05

HM CARB | ALCRONA® COATED | TIVOLY NORM | Ch



Z3 | 35° | e8



Universal application.

Fresado y ranurado, uso universal.

Fresatura e scanalatura polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

Ti Titanium alloys
Aleaciones de titanio
Leghe di titanio

8236441	EAN	Ø	d2	L	l2	R	QTY	PCB
8236441020003	3221910858926	2	3	39	7	0,3	1	1
8236441020005	3221910858933	2	3	39	7	0,5	1	1
8236441030003	3221910858940	3	3	39	7	0,3	1	1
8236441030005	3221910858957	3	3	39	7	0,5	1	1
8236441040003	3221910858964	4	4	51	14	0,3	1	1
8236441040005	3221910858971	4	4	51	14	0,5	1	1
8236441050003	3221910858988	5	4	51	16	0,3	1	1
8236441050005	3221910858995	5	4	51	16	0,5	1	1
8236441060005	3221910859008	6	6	64	19	0,5	1	1
8236441060010	3221910859015	6	6	64	19	1	1	1
8236441060015	3221910859022	6	6	64	19	1,5	1	1
8236441080005	3221910859039	8	8	64	21	0,5	1	1
8236441080010	3221910859046	8	8	64	21	1	1	1
8236441080015	3221910859053	8	8	64	21	1,5	1	1
8236441100005	3221910859060	10	10	70	22	0,5	1	1
8236441100010	3221910859077	10	10	70	22	1	1	1
8236441100015	3221910859084	10	10	70	22	1,5	1	1
8236441100020	3221910859091	10	10	70	22	2	1	1
8236441120005	3221910859107	12	12	76	25	0,5	1	1
8236441120010	3221910859114	12	12	76	25	1	1	1
8236441120015	3221910859121	12	12	76	25	1,5	1	1
8236441120020	3221910859138	12	12	76	25	2	1	1
8236441140005	3221910859145	14	14	89	30	0,5	1	1
8236441140010	3221910859152	14	14	89	30	1	1	1
8236441140015	3221910859169	14	14	89	30	1,5	1	1
8236441140020	3221910859176	14	14	89	30	2	1	1
8236441160020	3221910859183	16	16	89	32	2	1	1
8236441160025	3221910859190	16	16	89	32	2,5	1	1
8236441160030	3221910859206	16	16	89	32	3	1	1
8236441160040	3221910859213	16	16	89	32	4	1	1
8236441180020	3221910859220	18	18	102	35	2	1	1
8236441180025	3221910859237	18	18	102	35	2,5	1	1
8236441180030	3221910859244	18	18	102	35	3	1	1
8236441180040	3221910859251	18	18	102	35	4	1	1
8236441200020	3221910859268	20	20	102	38	2	1	1
8236441200025	3221910859275	20	20	102	38	2,5	1	1
8236441200030	3221910859282	20	20	102	38	3	1	1
8236441200040	3221910859299	20	20	102	38	4	1	1

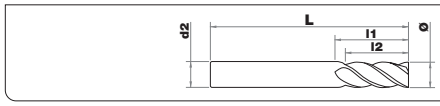
SOLID CARBIDE ULTRACUT END MILLS, Z3. CHAMFER EDGE PROTECTION.

FRESA METAL DURO ULTRACUT, Z3. CHAFLÁN DE PROTECCIÓN.

FRESA IN MD ULTRACUT. Z3 CON SMUSSI DI PROTEZIONE.

HM CARB | ULTRA CUT COATED | TIVOLY NORM | Ch

Z3 | 60°



Designed for high alloyed steels and special alloys. High performance.

Diseñado para aceros muy aleados y aleaciones especiales.

Concepito per gli acciai fortemente legati e leghe speciali.

CDE — Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH — Stainless Steel
Aceros inoxidables
Acciai inossidabili

ARCo ARNi Ti — Ni / Co based special alloys & Titanium
Aleaciones refractarias Co / Ni y Titanio
Leghe refrattarie Co / Ni i titanio

8236211	EAN	Ø	d2	L	l2	QTY	PCB
82362110300	3221910823658	3	3	39	14	1	1
82362110400	3221910823665	4	4	51	16	1	1
82362110500	3221910823672	5	5	51	16	1	1
82362110600	3221910823689	6	6	64	19	1	1
82362110800	3221910823696	8	8	64	21	1	1
82362111000	3221910823702	10	10	70	25	1	1
82362111200	3221910823719	12	12	76	25	1	1
82362111600	3221910823726	16	16	89	32	1	1
82362112000	3221910823733	20	20	102	38	1	1

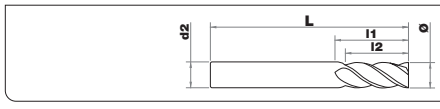
SOLID CARBIDE END MILLS, Z3. CHAMFER EDGE PROTECTION.

FRESA METAL DURO Z3, CHAFLÁN DE PROTECCIÓN.

FRESA IN MD. Z3 CON SMUSSI DI PROTEZIONE.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM | Ch

Z3 | 30° | e8



Universal application.

Fresado y ranurado, uso universal.

Fresatura e scanalatura polivalente.

AB — Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD — Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH — Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ — Cast iron
Fundiciones
Ghisa

KLM — Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

P — Composite Plastics
Composites plásticos
Plastiche composite

8236031	EAN	Ø	d2	L	l2	QTY	PCB
82360310100	3221910794194	1	3	39	3	1	1
82360310150	3221910794200	1,5	3	39	5	1	1
82360310200	3221910794217	2	3	39	7	1	1
82360310250	3221910794224	2,5	3	39	7	1	1
82360310300	3221910794231	3	3	39	9	1	1
82360310350	3221910794248	3,5	4	51	12	1	1
82360310400	3221910794255	4	4	51	14	1	1
82360310450	3221910794262	4,5	5	51	14	1	1
82360310500	3221910794279	5	5	51	16	1	1
82360310600	3221910794286	6	6	64	19	1	1
82360310700	3221910794293	7	8	64	19	1	1
82360310800	3221910794309	8	8	64	21	1	1
82360310900	3221910794316	9	10	70	22	1	1
82360311000	3221910794323	10	10	70	22	1	1
82360311100	3221910794330	11	11	70	25	1	1

8236031	EAN	Ø	d2	L	l2	QTY	PCB
82360311200	3221910794347	12	12	76	25	1	1
82360311400	3221910794354	14	14	89	30	1	1
82360311600	3221910794361	16	16	89	32	1	1
82360311800	3221910794378	18	18	102	35	1	1
82360312000	3221910794385	20	20	102	38	1	1
82360312200	3221910794392	22	22	102	38	1	1
82360312500	3221910794408	25	25	102	38	1	1

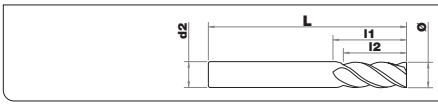
SOLID CARBIDE HARDCUT END MILLS, Z3. CHAMFER EDGE PROTECTION.

FRESA METAL DURO HARDCUT Z3, CHAFLÁN DE PROTECCIÓN.

FRESA IN MD HARDCUT Z3 CON SMUSSI DI PROTEZIONE.

HM CARB | HARD CUT COATED | TIVOLY NORM | Ch

Z3 | 30° | e8



Universal application.

Fresado y ranurado, uso universal.

Fresatura e scanalatura polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

P Composite Plastics
Composites plásticos
Plastiche composite

8236161	EAN	Ø	d2	L	l2	QTY	PCB
82361610100	3221910822774	1	3	39	3	1	1
82361610150	3221910822781	1,5	3	39	5	1	1
82361610200	3221910822798	2	3	39	7	1	1
82361610250	3221910822804	2,5	3	39	7	1	1
82361610300	3221910822811	3	3	39	9	1	1
82361610350	3221910822828	3,5	4	51	12	1	1
82361610400	3221910822835	4	4	51	14	1	1
82361610450	3221910822842	4,5	5	51	14	1	1
82361610500	3221910822859	5	5	51	16	1	1
82361610600	3221910822866	6	6	64	19	1	1
82361610700	3221910822873	7	8	64	19	1	1
82361610800	3221910822880	8	8	64	21	1	1
82361610900	3221910822897	9	10	70	22	1	1
82361611000	3221910822903	10	10	70	22	1	1
82361611100	3221910822910	11	11	70	25	1	1
82361611200	3221910822927	12	12	76	25	1	1
82361611400	3221910822934	14	14	89	30	1	1
82361611600	3221910822941	16	16	89	32	1	1
82361611800	3221910822958	18	18	102	35	1	1
82361612000	3221910822965	20	20	102	38	1	1
82361612200	3221910822972	22	22	102	38	1	1
82361612500	3221910822989	25	25	102	38	1	1

SOLID CARBIDE END MILLS, DIN, Z3, SHORT SERIES. CHAMFER EDGE PROTECT.

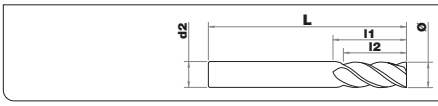
FRESA METAL DURO , DIN, Z3, CORTA, CHAFLÁN DE PROTECCIÓN.

FRESA IN MD DIN Z3 CORTA, SMUSSI DI PROTEZIONE.

#05

HM CARB | BRIGHT UNCOATED | DIN 6527K | Ch

Z3 | 30° | e8



Universal application, life span, profitability.

Polivalencia, duración de vida, rentabilidad.

Polivalente, lunga durata, redditività.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

8236471	EAN	ø	d2	L	l2	QTY	PCB
82364710100	3221910873028	1	3	38	3	1	1
82364710150	3221910873035	1.5	3	38	3	1	1
82364710200	3221910873042	2	3	38	3	1	1
82364710250	3221910873059	2.5	3	38	3	1	1
82364710300	3221910873066	3	3	38	4	1	1
82364710350	3221910873073	3.5	6	50	4	1	1
82364710400	3221910873080	4	6	54	5	1	1
82364710450	3221910873097	4.5	6	54	5	1	1
82364710500	3221910873103	5	6	54	6	1	1
82364710600	3221910873110	6	6	54	7	1	1
82364710700	3221910873127	7	8	58	8	1	1
82364710800	3221910873134	8	8	58	9	1	1
82364710900	3221910873141	9	10	66	10	1	1
82364711000	3221910873158	10	10	66	11	1	1
82364711200	3221910873165	12	12	73	12	1	1
82364711400	3221910873172	14	14	75	14	1	1
82364711600	3221910873189	16	16	82	16	1	1
82364711800	3221910873196	18	18	84	18	1	1
82364712000	3221910873202	20	20	92	20	1	1

SOLID CARBIDE END MILLS, DIN, Z3, SHORT SERIES. CHAMFER EDGE PROTECT.

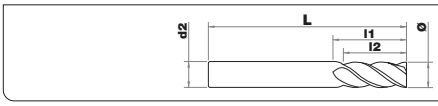
FRESA METAL DURO ALCRONA, DIN, Z3, CORTA, CHAFLÁN DE PROTECCIÓN.

FRESA IN MD DIN Z3 CORTA, SMUSSI DI PROTEZIONE.

#05

HM CARB | ALCRONA® COATED | DIN 6527K | Ch

Z3 | 30° | e8



Universal application, life span, profitability.

Polivalencia, duración de vida, rentabilidad.

Polivalente, lunga durata, redditività.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

8236481	EAN	ø	d2	L	l2	QTY	PCB
82364810100	3221910873219	1	3	38	3	1	1
82364810150	3221910873226	1.5	3	38	3	1	1
82364810200	3221910873233	2	3	38	3	1	1
82364810250	3221910873240	2.5	3	38	3	1	1
82364810300	3221910873257	3	3	38	4	1	1
82364810350	3221910873264	3.5	6	50	4	1	1
82364810400	3221910873271	4	6	54	5	1	1
82364810450	3221910873288	4.5	6	54	5	1	1
82364810500	3221910873295	5	6	54	6	1	1
82364810600	3221910873301	6	6	54	7	1	1
82364810700	3221910873318	7	8	58	8	1	1
82364810800	3221910873325	8	8	58	9	1	1
82364810900	3221910873332	9	10	66	10	1	1
82364811000	3221910873349	10	10	66	11	1	1
82364811200	3221910873356	12	12	73	12	1	1
82364811400	3221910873363	14	14	75	14	1	1
82364811600	3221910873370	16	16	82	16	1	1
82364811800	3221910873387	18	18	84	18	1	1
82364812000	3221910873394	20	20	92	20	1	1

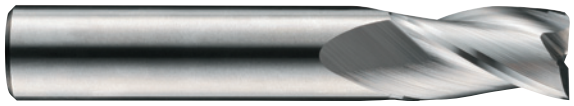
SOLID CARBIDE END MILLS, DIN, Z3, LONG SERIES. CHAMFER EDGE PROTECT.

FRESA METAL DURO , DIN, Z3, LARGA, CHAFLÁN DE PROTECCIÓN.

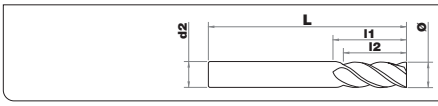
FRESA IN MD DIN Z3 CORTA, SMUSSI DI PROTEZIONE.

#05

HM CARB | BRIGHT UNCOATED | DIN 6527L | Ch



Z3 | 30°



Universal application, life span, profitability.

Polivalencia, duración de vida, rentabilidad.

Polivalente, lunga durata, redditività.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

8236531	EAN	ø	d2	L	l2	QTY	PCB
82365310200	3221910874124	2	3	38	6	1	1
82365310250	3221910874131	2.5	3	38	7	1	1
82365310300	3221910874148	3	3	38	7	1	1
82365310350	3221910874155	3.5	6	57	7	1	1
82365310400	3221910874162	4	6	57	8	1	1
82365310450	3221910874179	4.5	6	57	8	1	1
82365310500	3221910874186	5	6	57	10	1	1
82365310600	3221910874193	6	6	57	10	1	1
82365310700	3221910874209	7	8	63	13	1	1
82365310800	3221910874216	8	8	63	16	1	1
82365310900	3221910874223	9	10	72	16	1	1
82365311000	3221910874230	10	10	72	19	1	1
82365311200	3221910874247	12	12	83	22	1	1
82365311400	3221910874254	14	14	83	22	1	1
82365311600	3221910874261	16	16	92	26	1	1
82365311800	3221910874278	18	18	92	26	1	1
82365312000	3221910874285	20	20	104	32	1	1

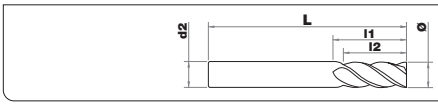
SOLID CARBIDE END MILLS, DIN, Z3, LONG SERIES. CHAMFER EDGE PROTECT.

FRESA METAL DURO ALCRONA, DIN, Z3, LARGA, CHAFLÁN DE PROTECCIÓN.

FRESA IN MD DIN Z3 CORTA, SMUSSI DI PROTEZIONE.

HM CARB | ALCRONA® COATED | DIN 6527L | Ch

Z3 | 30°



Universal application, life span, profitability.

Polivalencia, duración de vida, rentabilidad.

Polivalente, lunga durata, redditività.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

8236541	EAN	ø	d2	L	l2	QTY	PCB
82365410200	3221910874292	2	3	38	6	1	1
82365410250	3221910874308	2.5	3	38	7	1	1
82365410300	3221910874315	3	3	38	7	1	1
82365410350	3221910874322	3.5	6	57	7	1	1
82365410400	3221910874339	4	6	57	8	1	1
82365410450	3221910874346	4.5	6	57	8	1	1
82365410500	3221910874353	5	6	57	10	1	1
82365410600	3221910874360	6	6	57	10	1	1
82365410700	3221910874377	7	8	63	13	1	1
82365410800	3221910874384	8	8	63	16	1	1
82365410900	3221910874391	9	10	72	16	1	1
82365411000	3221910874407	10	10	72	19	1	1
82365411200	3221910874414	12	12	83	22	1	1
82365411400	3221910874421	14	14	83	22	1	1
82365411600	3221910874438	16	16	92	26	1	1
82365411800	3221910874445	18	18	92	26	1	1
82365412000	3221910874452	20	20	104	32	1	1

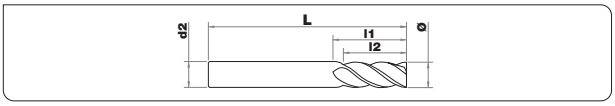
SOLID CARBIDE END MILLS,DIN, Z3 EXTRA LONG SERIES. CHAMFER EDGE PROTECT.

FRESA METAL DURO , DIN, Z3, EXTRA-LARGA. CHAFLÁN DE PROTECCIÓN.

FRESA IN MD Z3 EXTRA-LUNGA.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM | Ch

Z3 | 30°



Universal application, life span, profitability.

Polivalencia, duración de vida, rentabilidad.

Polivalente, lunga durata, redditività.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

8236101	EAN	ø	d2	L	l2	QTY	PCB
82361010300075	3221910795436	3	3	75	25	1	1
82361010400075	3221910795443	4	4	75	25	1	1
82361010500075	3221910795450	5	5	75	25	1	1
82361010600075	3221910795467	6	6	75	25	1	1
82361010800075	3221910795474	8	8	75	25	1	1
82361011000100	3221910795481	10	10	100	38	1	1
82361011200150	3221910795504	12	12	150	75	1	1
82361011400150	3221910795511	14	14	150	75	1	1
82361011600150	3221910795528	16	16	150	75	1	1
82361011800150	3221910795535	18	18	150	75	1	1
82361012000150	3221910795542	20	20	150	75	1	1

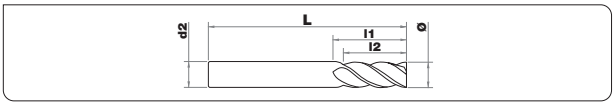
SOLID CARBIDE END MILLS,DIN, Z3 EXTRA LONG SERIES. CHAMFER EDGE PROTECT.

FRESA METAL DURO ALCRONA, DIN, Z3, EXTRA-LARGA. CHAFLÁN DE PROTECCIÓN.

FRESA IN MD Z3 EXTRA-LUNGA.

HM CARB | ALCRONA® COATED | TIVOLY NORM | Ch

Z3 | 30°



Universal application, life span, profitability.

Polivalencia, duración de vida, rentabilidad.

Polivalente, lunga durata, redditività.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

8236601	EAN	ø	d2	L	l2	QTY	PCB
82366010300	3221910875022	3	3	75	25	1	1
82366010400	3221910875039	4	4	75	25	1	1
82366010500	3221910875046	5	5	75	25	1	1
82366010600	3221910875053	6	6	75	25	1	1
82366010800	3221910875060	8	8	75	25	1	1
82366011000	3221910875077	10	10	100	38	1	1
82366011200	3221910875084	12	12	150	75	1	1
82366011400	3221910875091	14	14	150	75	1	1
82366011600	3221910875107	16	16	150	75	1	1
82366011800	3221910875114	18	18	150	75	1	1
82366012000	3221910875121	20	20	150	75	1	1

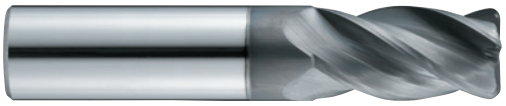
SOLID CARBIDE ALCRONA END MILLS Z4 CORNER RADIUS.

FRESA METAL DURO ALCRONA Z4 CON RADIO.

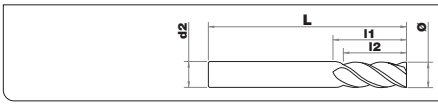
FRESA IN MD ALCRONA Z4 CON RAGGIO.

#05

HM CARB | ALCRONA® COATED | TIVOLY NORM | R



Z4 | 40° | h10



Better chip evacuation.

Mayor evacuación de viruta.

Efficace rimozione dei trucioli.

CDE
Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH
Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ
Cast iron
Fundiciones
Ghisa

KLM
Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

Ti
Titanium alloys
Aleaciones de titanio
Leghe di titanio

8236401	EAN	Ø	d2	L	l2	R	QTY	PCB
8236401060002	3221910858643	6	6	64	18	0,2	1	1
8236401060005	3221910858650	6	6	64	19	0,5	1	1
8236401080005	3221910858667	8	8	64	21	0,5	1	1
8236401080010	3221910858674	8	8	61	21	1	1	1
8236401100008	3221910858681	10	10	70	22	0,8	1	1
8236401100010	3221910858698	10	10	70	22	1	1	1
8236401120008	3221910858704	12	12	76	25	0,8	1	1
8236401120010	3221910858711	12	12	76	25	1	1	1
8236401160020	3221910858728	16	16	89	32	2	1	1
8236401160025	3221910858735	16	16	89	32	2,5	1	1
8236401160040	3221910858742	16	16	89	32	4	1	1
8236401200020	3221910858759	20	20	102	38	2	1	1
8236401200025	3221910858766	20	20	102	38	2,5	1	1
8236401200040	3221910858773	20	20	102	38	4	1	1

SOLID CARBIDE ALCRONA, END MILLS, Z4, CORNER RADIUS, TWIN DEPTH FLUTE.

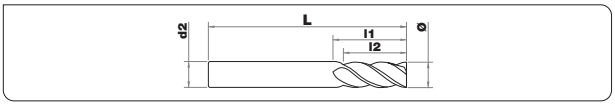
FRESA CARBURO ALCRONA, Z4, CON RADIO CON ROPEVIRUTAS.

FRESA IN MD ALCRONA Z4 CON RAGGIO E GOLE PROFONDE.

#05

HM CARB | ALCRONA® COATED | TIVOLY NORM | R

Z4 | 45° | h10



Better chip evacuation, avoid resonance and vibrations.

Gran evacuación de viruta y reducción del fenómeno de resonancia.

Efficace rimozione dei trucioli e riduzione del fenomeno di risonanza.

CDE
Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH
Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ
Cast iron
Fundiciones
Ghisa

KLM
Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

Ti
Titanium alloys
Aleaciones de titanio
Leghe di titanio

8236421	EAN	Ø	d2	L	l2	R	QTY	PCB
8236421080005	3221910858520	8	8	64	21	0,5	1	1
8236421080010	3221910858537	8	8	64	21	1	1	1
8236421100008	3221910858544	10	10	70	22	0,8	1	1
8236421100010	3221910858551	10	10	70	22	1	1	1
8236421120008	3221910858568	12	12	76	25	0,8	1	1
8236421120010	3221910858575	12	12	76	25	1	1	1
8236421160020	3221910858582	16	16	89	32	2	1	1
8236421160025	3221910858599	16	16	89	32	2,5	1	1
8236421160040	3221910858605	16	16	89	32	4	1	1
8236421200020	3221910858612	20	20	102	38	2	1	1
8236421200025	3221910858629	20	20	102	38	2,5	1	1
8236421200040	3221910858636	20	20	102	38	4	1	1

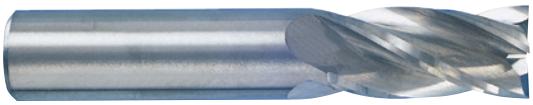
SOLID CARBIDE END MILLS Z4 CHAMFER EDGE PROTECTION.

FRESA METAL DURO Z4, CHAFLÁN DE PROTECCIÓN.

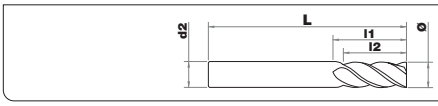
FRESA IN MD Z4 CON SMUSSI DI PROTEZIONE.

#05

HM CARB | BRIGHT UNCOATED | TIVOLY NORM | Ch



Z4 | 30° | h9



Universal application.

Fresado universal.

Fresatura polivalente .

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

8236041	EAN	Ø	d2	L	l2	QTY	PCB
82360410100	3221910794446	1	3	39	3	1	1
82360410150	3221910794453	1,5	3	39	5	1	1
82360410200	3221910794460	2	3	39	7	1	1
82360410250	3221910794477	2,5	3	39	7	1	1
82360410300	3221910794484	3	3	39	9	1	1
82360410350	3221910794491	3,5	4	51	12	1	1
82360410400	3221910794507	4	4	51	14	1	1
82360410450	3221910794514	4,5	5	51	14	1	1
82360410500	3221910794521	5	5	51	16	1	1
82360410600	3221910794538	6	6	64	19	1	1
82360410700	3221910794545	7	8	64	19	1	1
82360410800	3221910794552	8	8	64	21	1	1
82360410900	3221910794569	9	10	70	22	1	1
82360411000	3221910794576	10	10	70	22	1	1
82360411100	3221910794583	11	11	70	25	1	1
82360411200	3221910794590	12	12	76	25	1	1
82360411400	3221910794606	14	14	89	30	1	1
82360411600	3221910794613	16	16	89	32	1	1
82360411800	3221910794620	18	18	102	35	1	1
82360412000	3221910794637	20	20	102	38	1	1
82360412200	3221910794644	22	22	102	38	1	1
82360412500	3221910794651	25	25	102	38	1	1

SOLID CARBIDE HARDCUT END MILLS Z4 CHAMFER EDGE PROTECTION.

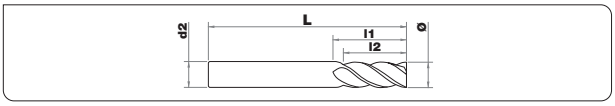
FRESA METAL DURO HARDCUT Z4, CHAFLÁN DE PROTECCIÓN.

FRESA IN MD HARDCUT Z4 CON SMUSSI DI PROTEZIONE.

#05

HM CARB | HARD CUT COATED | TIVOLY NORM | Ch

Z4 | 30° | h9



Universal application.

Fresado universal.

Fresatura polivalente .

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

8236171	EAN	Ø	d2	L	l2	QTY	PCB
82361710100	3221910822996	1	3	39	3	1	1
82361710150	3221910823009	1,5	3	39	5	1	1
82361710200	3221910823016	2	3	39	7	1	1
82361710250	3221910823023	2,5	3	39	7	1	1
82361710300	3221910823030	3	3	39	9	1	1
82361710350	3221910823047	3,5	4	51	12	1	1
82361710400	3221910823054	4	4	51	14	1	1
82361710450	3221910823061	4,5	5	51	14	1	1
82361710500	3221910823078	5	5	51	16	1	1
82361710600	3221910823085	6	6	64	19	1	1
82361710700	3221910823092	7	8	64	19	1	1
82361710800	3221910823108	8	8	64	21	1	1
82361710900	3221910823115	9	10	70	22	1	1
82361711000	3221910823122	10	10	70	22	1	1
82361711100	3221910823139	11	11	70	25	1	1
82361711200	3221910823146	12	12	76	25	1	1
82361711400	3221910823153	14	14	89	30	1	1
82361711600	3221910823160	16	16	89	32	1	1
82361711800	3221910823177	18	18	102	35	1	1
82361712000	3221910823184	20	20	102	38	1	1
82361712200	3221910823191	22	22	102	38	1	1
82361712500	3221910823207	25	25	102	38	1	1

SOLID CARB. , END MILLS, DIN, Z4, SHORT S. CHAMFER EDGE PROTECT.

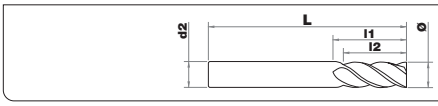
FRESA CARBURO , DIN, Z4, CORTA, CHAFLÁN DE PROTECCIÓN.

FRESA IN MD DIN Z4, CORTA, SMUSSI DI PROTEZIONE.

#05

HM CARB | BRIGHT UNCOATED | DIN 6527K | Ch

Z4 | 30°



Universal application, life span, profitability.

Polivalencia, duración de vida, rentabilidad.

Polivalente, lunga durata, redditività.

AB — Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD — Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH — Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ — Cast iron
Fundiciones
Ghisa

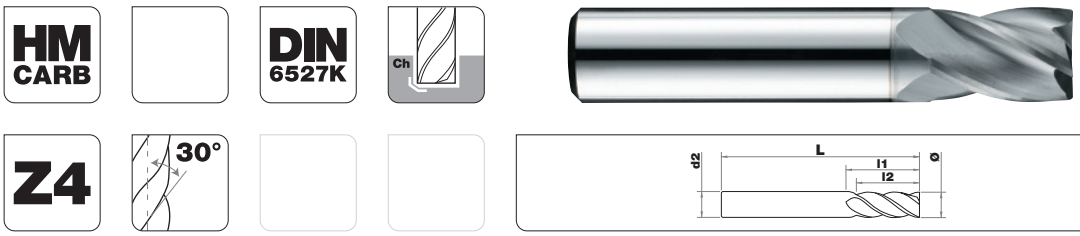
KLM — Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

8236491	EAN	ø	d2	L	l2	QTY	PCB
82364910100	3221910873400	1	3	38	3	1	1
82364910150	3221910873417	1.5	3	38	4	1	1
82364910200	3221910873424	2	3	38	4	1	1
82364910250	3221910873431	2.5	3	38	4	1	1
82364910300	3221910873448	3	3	38	5	1	1
82364910350	3221910873455	3.5	6	50	6	1	1
82364910400	3221910873462	4	6	54	8	1	1
82364910450	3221910873479	4.5	6	54	8	1	1
82364910500	3221910873486	5	6	54	9	1	1
82364910600	3221910873493	6	6	54	10	1	1
82364910700	3221910873509	7	8	58	11	1	1
82364910800	3221910873516	8	8	58	12	1	1
82364910900	3221910873523	9	10	66	13	1	1
82364911000	3221910873530	10	10	66	14	1	1
82364911200	3221910873547	12	12	73	26	1	1
82364911400	3221910873554	14	14	75	18	1	1
82364911600	3221910873561	16	16	82	22	1	1
82364911800	3221910873578	18	18	84	24	1	1
82364912000	3221910873585	20	20	92	26	1	1

SOLID CARB. ALCRONA, END MILLS, DIN, Z4, SHORT S. CHAMFER EDGE PROTECT.

FRESA CARBURO ALCRONA, DIN, Z4, CORTA, CHAFLÁN DE PROTECCIÓN.

FRESA IN MD DIN Z4, CORTA, SMUSSI DI PROTEZIONE.



Universal application, life span, profitability.

Polivalencia, duración de vida, rentabilidad.

Polivalente, lunga durata, redditività.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

8236501	EAN	ø	d2	L	l2	QTY	PCB
82365010100	3221910873592	1	3	38	3	1	1
82365010150	3221910873608	1.5	3	38	4	1	1
82365010200	3221910873615	2	3	38	4	1	1
82365010250	3221910873622	2.5	3	38	4	1	1
82365010300	3221910873639	3	3	38	5	1	1
82365010350	3221910873646	3.5	6	50	6	1	1
82365010400	3221910873653	4	6	54	8	1	1
82365010450	3221910873660	4.5	6	54	8	1	1
82365010500	3221910873677	5	6	54	9	1	1
82365010600	3221910873684	6	6	54	10	1	1
82365010700	3221910873691	7	8	58	11	1	1
82365010800	3221910873707	8	8	58	12	1	1
82365010900	3221910873714	9	10	66	13	1	1
82365011000	3221910873721	10	10	66	14	1	1
82365011200	3221910873738	12	12	73	26	1	1
82365011400	3221910873745	14	14	75	18	1	1
82365011600	3221910873752	16	16	82	22	1	1
82365011800	3221910873769	18	18	84	24	1	1
82365012000	3221910873776	20	20	92	26	1	1

SOLID CARB. , END MILLS, DIN, Z4, LONG S. CHAMFER EDGE PROTECT.

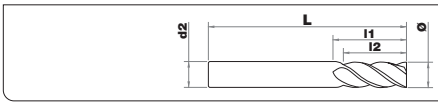
FRESA METAL DURO , DIN, Z4, LARGA. CHAFLÁN DE PROTECCIÓN.

FRESA IN MD DIN Z4, LUNGA, SMUSSI DI PROTEZIONE.

#05

HM CARB | BRIGHT UNCOATED | DIN 6527L | Ch

Z4 | 30°



Universal application, life span, profitability.

Polivalencia, duración de vida, rentabilidad.

Polivalente, lunga durata, redditività.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

8236551	EAN	ø	d2	L	l2	QTY	PCB
82365510200	3221910874469	2	3	38	7	1	1
82365510250	3221910874476	2.5	3	38	8	1	1
82365510300	3221910874483	3	3	38	8	1	1
82365510350	3221910874490	3.5	6	57	10	1	1
82365510400	3221910874506	4	6	57	11	1	1
82365510450	3221910874513	4.5	6	57	11	1	1
82365510500	3221910874520	5	6	57	13	1	1
82365510600	3221910874537	6	6	57	13	1	1
82365510700	3221910874544	7	8	63	16	1	1
82365510800	3221910874551	8	8	63	19	1	1
82365510900	3221910874568	9	10	72	19	1	1
82365511000	3221910874575	10	10	72	22	1	1
82365511200	3221910874582	12	12	83	26	1	1
82365511400	3221910874599	14	14	83	26	1	1
82365511600	3221910874605	16	16	92	32	1	1
82365511800	3221910874612	18	18	92	32	1	1
82365512000	3221910874629	20	20	104	38	1	1

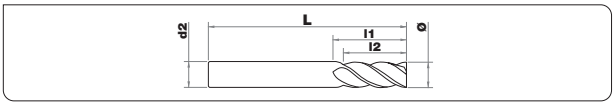
SOLID CARB. ALCRONA, END MILLS, DIN, Z4, LONG S. CHAMFER EDGE PROTECT.

FRESA METAL DURO ALCRONA, DIN, Z4, LARGA. CHAFLÁN DE PROTECCIÓN.

FRESA IN MD DIN Z4, LUNGA, SMUSSI DI PROTEZIONE.

HM CARB | ALCRONA® COATED | DIN 6527L | Ch

Z4 | 30°



Universal application, life span, profitability.

Polivalencia, duración de vida, rentabilidad.

Polivalente, lunga durata, redditività.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

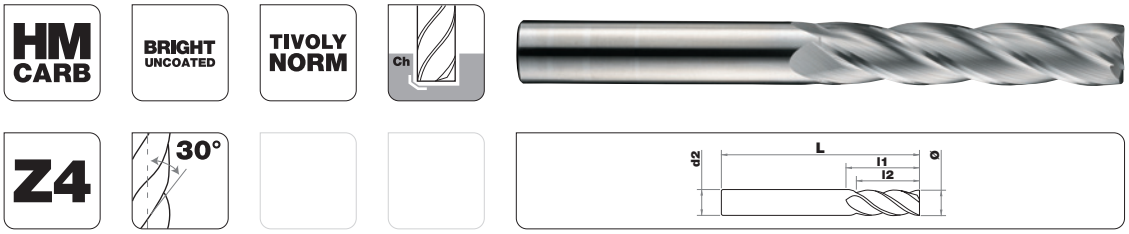
KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

8236561	EAN	ø	d2	L	l2	QTY	PCB
82365610200	3221910874636	2	3	38	7	1	1
82365610250	3221910874643	2.5	3	38	8	1	1
82365610300	3221910874650	3	3	38	8	1	1
82365610350	3221910874667	3.5	6	57	10	1	1
82365610400	3221910874674	4	6	57	11	1	1
82365610450	3221910874681	4.5	6	57	11	1	1
82365610500	3221910874698	5	6	57	13	1	1
82365610600	3221910874704	6	6	57	13	1	1
82365610700	3221910874711	7	8	63	16	1	1
82365610800	3221910874728	8	8	63	19	1	1
82365610900	3221910874735	9	10	72	19	1	1
82365611000	3221910874742	10	10	72	22	1	1
82365611200	3221910874759	12	12	83	26	1	1
82365611400	3221910874766	14	14	83	26	1	1
82365611600	3221910874773	16	16	92	32	1	1
82365611800	3221910874780	18	18	92	32	1	1
82365612000	3221910874797	20	20	104	38	1	1

SOLID CARB. , END MILLS, DIN, Z4, EXTRA LO. CHAMFER EDGE PROTECT.

FRESA METAL DURO , DIN, Z4, EXTRA-LARGA. CHAFLÁN DE PROTECCIÓN.

FRESA IN MD Z4 EXTRA-LUNGA, SMUSSI DI PROTEZIONE.



Universal application, life span, profitability.

Polivalencia, duración de vida, rentabilidad.

Polivalente, lunga durata, redditività.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

8236611	EAN	ø	d2	L	l2	QTY	PCB
82366110300	3221910875138	3	3	75	25	1	1
82366110400	3221910875145	4	4	75	25	1	1
82366110500	3221910875152	5	5	75	25	1	1
82366110600	3221910875169	6	6	75	25	1	1
82366110800	3221910875176	8	8	75	25	1	1
82366111000	3221910875183	10	10	100	38	1	1
82366111200	3221910875190	12	12	150	75	1	1
82366111400	3221910875206	14	14	150	75	1	1
82366111600	3221910875213	16	16	150	75	1	1
82366111800	3221910875220	18	18	150	75	1	1
82366112000	3221910875237	20	20	150	75	1	1

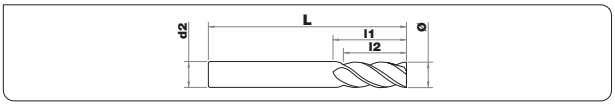
SOLID CARB. ALCRONA, END MILLS, DIN, Z4, EXTRA LO. CHAMFER EDGE PROTECT.

FRESA METAL DURO ALCRONA, DIN, Z4, EXTRA-LARGA. CHAFLÁN DE PROTECCIÓN.

FRESA IN MD Z4 EXTRA-LUNGA, SMUSSI DI PROTEZIONE.

HM CARB | ALCRONA® COATED | TIVOLY NORM | Ch

Z4 | 30°



Universal application, life span, profitability.

Polivalencia, duración de vida, rentabilidad.

Polivalente, lunga durata, redditività.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

8236621	EAN	Ø	d2	L	l2	QTY	PCB
82366210300	3221910875244	3	3	75	25	1	1
82366210400	3221910875251	4	4	75	25	1	1
82366210500	3221910875268	5	5	75	25	1	1
82366210600	3221910875275	6	6	75	25	1	1
82366210800	3221910875282	8	8	75	25	1	1
82366211000	3221910875299	10	10	100	38	1	1
82366211200	3221910875305	12	12	150	75	1	1
82366211400	3221910875312	14	14	150	75	1	1
82366211600	3221910875329	16	16	150	75	1	1
82366211800	3221910875336	18	18	150	75	1	1
82366212000	3221910875343	20	20	150	75	1	1

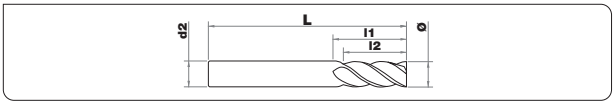
SOLID CARBIDE ULTRACUT ZMAX RAKE ANGLE 0°, CHAMFER EDGE PROTECT.

FRESA METAL DURO ULTRACUT ZMAX, CORTE A 0°, CHAFLÁN DE PROTECCIÓN.

FRESA IN MD ULTRACUT Z6, SMUSSI DI PROTEZIONE.

HM CARB | ULTRA CUT COATED | simDiN 6527L | Ch

Z 8-12 | 55° | h9



Designed for super finishing in heat treatable steels > 50 Hrc.

Diseñado para el super acabado de los aceros tratados > 50 Hrc.

Concepita per la finitura degli acciai inossidabili.

D Heat Treatable Steels <1200N/mm²
Aceros aleados y tratados < 1200N/mm²
Acciai per trattamento termico <1200N/mm²

E Heat Treatable Steels <1400N/mm²
Aceros aleados y tratados < 1400N/mm²
Acciai per trattamento termico <1400N/mm²

ARCo ARNi Ti Ni / Co based special alloys & Titanium
Aleaciones refractarias Co / Ni y Titanio
Leghe refrattarie Co / Ni i titanio

8236361	EAN	Ø	d2	L	l2	Z	QTY	PCB
82363610600	3221910824488	6	6	57	13	8	1	1
82363610800	3221910824495	8	8	63	19	10	1	1
82363611000	3221910824501	10	10	72	22	10	1	1
82363611200	3221910824518	12	12	83	26	12	1	1
82363611400	3221910824525	14	14	83	26	12	1	1
82363611600	3221910824532	16	16	92	32	12	1	1

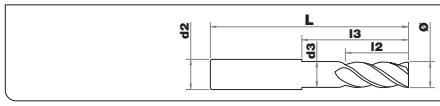
SOLID CARBIDE ULTRACUT Z4-8 CORNER RADIUS RAKE ANGLE 5°.

FRESA METAL DURO ULTRACUT Z4-8 CON RADIO, CORTE A 5°.

FRESA IN MD ULTRACUT Z4-8 CON RAGGIO, TAGLIO A 5°.

HM CARB | ULTRA CUT COATED | simDiN 6527L | R

Z 4-8 | 45° | h9



Designed for finishing in heat treatable steels > 50 Hrc.

Diseñado para el acabado de aceros tratados > 50 Hrc.

Concepita per la finitura degli acciai trattati.

D Heat Treatable Steels <1200N/mm²
Aceros aleados y tratados < 1200N/mm²
Acciai per trattamento termico <1200N/mm²

E Heat Treatable Steels <1400N/mm²
Aceros aleados y tratados < 1400N/mm²
Acciai per trattamento termico <1400N/mm²

ARCo ARNi Ti Ni / Co based special alloys & Titanium
Aleaciones refractarias Co / Ni y Titanio
Leghe refrattarie Co / Ni i titanio

8236341	EAN	Ø	d2	L	l2	l3	R	QTY	PCB
8236341030005	3221910824365	3	6	57	4	14	0,5	1	1
8236341040005	3221910824372	4	6	57	5	16	0,5	1	1
8236341050005	3221910824389	5	6	57	6	18	0,5	1	1
8236341060005	3221910824396	6	6	57	7	20	0,5	1	1
8236341060008	3221910824402	6	6	57	7	20	0,8	1	1
8236341080005	3221910824419	8	8	63	9	26	0,5	1	1
8236341080010	3221910824426	8	8	63	9	26	1	1	1
8236341100005	3221910824433	10	10	72	11	31	0,5	1	1
8236341100010	3221910824440	10	10	72	11	31	1	1	1
8236341120005	3221910824457	12	12	83	12	37	0,5	1	1
8236341160015	3221910824464	16	16	92	16	43	1,5	1	1
8236341200020	3221910824471	20	20	104	20	53	2	1	1

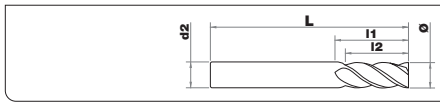
SOLID CARBIDE ULTRACUT END MILLS, Z6. CHAMFER EDGE PROTECT.

FRESA METAL DURO ULTRACUT, Z6, CHAFLÁN DE PROTECCIÓN.

FRESA IN MD ULTRACUT Z6, SMUSSI DI PROTEZIONE.

HM CARB | ULTRA CUT COATED | TIVOLY NORM | Ch

Z6 | 55° | h9



Designed for finishing in stainless steels.

Diseñado para el acabado de los aceros inoxidables.

Concepita per la finitura degli acciai inossidabili.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

Ti Titanium alloys
Aleaciones de titanio
Leghe di titanio

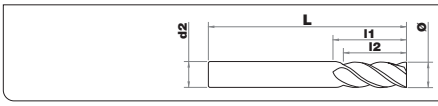
82362310600	EAN	Ø	d2	L	l2	QTY	PCB
82362310600	3221910823740	6	6	64	19	1	1
82362310800	3221910823757	8	8	64	21	1	1
82362311000	3221910823764	10	10	64	25	1	1
82362311200	3221910823771	12	12	76	25	1	1
82362311600	3221910823788	16	16	89	32	1	1
82362312000	3221910823795	20	20	102	38	1	1

SOLID CARBIDE Z2 BALL NOSED. | **FRESA METAL DURO Z2 PUNTA ESFÉRICA.** | **FRESA IN MD Z2, SEMISFERICA.**

#05

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

Z2 | 30° | e8



Universal application. | Uso universal. | Fresatura e scanalatura,polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

Ti Titanium alloys
Aleaciones de titanio
Leghe di titanio

8236061	EAN	Ø	d2	L	l2	QTY	PCB
82360610100	3221910794798	1	3	39	3	1	1
82360610150	3221910794804	1,5	3	39	5	1	1
82360610200	3221910794811	2	3	39	7	1	1
82360610250	3221910794828	2,5	3	39	7	1	1
82360610300	3221910794835	3	3	39	9	1	1
82360610350	3221910794842	3,5	4	51	12	1	1
82360610400	3221910794859	4	4	51	14	1	1
82360610450	3221910794866	4,5	5	51	14	1	1
82360610500	3221910794873	5	5	51	16	1	1
82360610600	3221910794880	6	6	64	19	1	1
82360610700	3221910794897	7	8	64	19	1	1
82360610800	3221910794903	8	8	64	21	1	1
82360610900	3221910794910	9	10	70	22	1	1
82360611000	3221910794927	10	10	70	22	1	1
82360611100	3221910794934	11	11	70	25	1	1
82360611200	3221910794941	12	12	76	25	1	1
82360611400	3221910794958	14	14	89	30	1	1
82360611600	3221910794965	16	16	89	32	1	1
82360611800	3221910794972	18	18	102	35	1	1
82360612000	3221910794989	20	20	102	38	1	1
82360612200	3221910794996	22	22	102	38	1	1
82360612500	3221910795009	25	25	102	38	1	1

SOLID CARBIDE HARDCUT Z2 BALL NOSED.

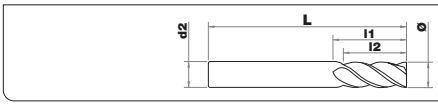
FRESA METAL DURO HARDCUT Z2 PUNTA ESFÉRICA.

FRESA IN MD Z2, SEMISFERICA.

#05

HM CARB | HARD CUT COATED | TIVOLY NORM

Z2 | 30° | e8



Universal application.

Uso universal.

Fresatura e scanalatura,polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

Ti Titanium alloys
Aleaciones de titanio
Leghe di titanio

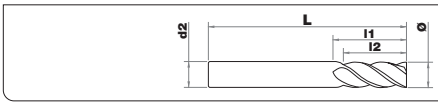
8236181	EAN	Ø	d2	L	l2	QTY	PCB
82361810100	3221910823214	1	3	39	3	1	1
82361810150	3221910823221	1,5	3	39	5	1	1
82361810200	3221910823238	2	3	39	7	1	1
82361810250	3221910823245	2,5	3	39	7	1	1
82361810300	3221910823252	3	3	39	9	1	1
82361810350	3221910823269	3,5	4	51	12	1	1
82361810400	3221910823276	4	4	51	14	1	1
82361810450	3221910823283	4,5	5	51	14	1	1
82361810500	3221910823290	5	5	51	16	1	1
82361810600	3221910823306	6	6	64	19	1	1
82361810700	3221910823313	7	8	64	19	1	1
82361810800	3221910823320	8	8	64	21	1	1
82361810900	3221910823337	9	10	70	22	1	1
82361811000	3221910823344	10	10	70	22	1	1
82361811100	3221910823351	11	11	70	25	1	1
82361811200	3221910823368	12	12	76	25	1	1
82361811400	3221910823375	14	14	89	30	1	1
82361811600	3221910823382	16	16	89	32	1	1
82361811800	3221910823399	18	18	102	35	1	1
82361812000	3221910823405	20	20	102	38	1	1
82361812200	3221910823412	22	22	102	38	1	1
82361812500	3221910823429	25	25	102	38	1	1

SOLID CARBIDE Z3 BALL NOSED. | **FRESA METAL DURO Z2 PUNTA ESFÉRICA.** | **FRESA IN MD, Z3, SEMISFERICA.**

#05

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

Z3 | 30° | e8



Universal application. | Uso universal. | Fresatura e scanalatura, polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

8236711	EAN	ø	d2	L	l2	QTY	PCB
82367110100	3221910795825	1	3	39	3	1	1
82367110150	3221910795832	1,5	3	39	5	1	1
82367110200	3221910795849	2	3	39	7	1	1
82367110250	3221910795856	2,5	3	39	7	1	1
82367110300	3221910795863	3	3	39	9	1	1
82367110350	3221910795870	3,5	4	51	12	1	1
82367110400	3221910795887	4	4	51	14	1	1
82367110450	3221910795894	4,5	5	51	14	1	1
82367110500	3221910795900	5	5	51	16	1	1
82367110600	3221910795917	6	6	64	19	1	1
82367110700	3221910795924	7	8	64	19	1	1
82367110800	3221910795931	8	8	64	21	1	1
82367110900	3221910795948	9	10	70	22	1	1
82367111000	3221910795955	10	10	70	22	1	1
82367111100	3221910795962	11	11	70	25	1	1
82367111200	3221910795979	12	12	76	25	1	1
82367111400	3221910795986	14	14	89	30	1	1
82367111600	3221910795993	16	16	89	32	1	1
82367111800	3221910796006	18	18	102	35	1	1
82367112000	3221910796013	20	20	102	38	1	1
82367112200	3221910796020	22	22	102	38	1	1
82367112500	3221910796037	25	25	102	38	1	1

SOLID CARBIDE HARDCUT Z3 BALL NOSED.

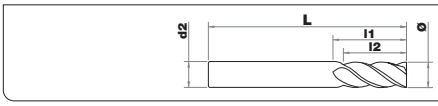
FRESA METAL DURO HARDCUT Z2 PUNTA ESFÉRICA.

FRESA IN MD, Z3, SEMISFERICA.

#05

HM CARB | HARD CUT COATED | TIVOLY NORM

Z3 | 30° | e8



Universal application.

Uso universal.

Fresatura e scanalatura, polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

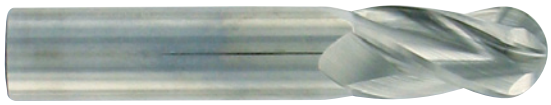
KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

8236261	EAN	ø	d2	L	l2	QTY	PCB
82362610100	3221910823801	1	3	39	3	1	1
82362610150	3221910823818	1,5	3	39	5	1	1
82362610200	3221910823825	2	3	39	7	1	1
82362610250	3221910823832	2,5	3	39	7	1	1
82362610300	3221910823849	3	3	39	9	1	1
82362610350	3221910823856	3,5	4	51	12	1	1
82362610400	3221910823863	4	4	51	14	1	1
82362610450	3221910823870	4,5	5	51	14	1	1
82362610500	3221910823887	5	5	51	16	1	1
82362610600	3221910823894	6	6	64	19	1	1
82362610700	3221910823900	7	8	64	19	1	1
82362610800	3221910823917	8	8	64	21	1	1
82362610900	3221910823924	9	10	70	22	1	1
82362611000	3221910823931	10	10	70	22	1	1
82362611100	3221910823948	11	11	70	25	1	1
82362611200	3221910823955	12	12	76	25	1	1
82362611400	3221910823962	14	14	89	30	1	1
82362611600	3221910823979	16	16	89	32	1	1
82362611800	3221910823986	18	18	102	35	1	1
82362612000	3221910823993	20	20	102	38	1	1
82362612200	3221910824006	22	22	102	38	1	1
82362612500	3221910824013	25	25	102	38	1	1

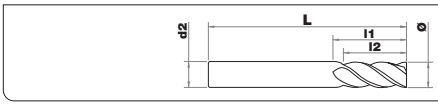
SOLID CARBIDE Z4 BALL NOSED. | **FRESA METAL DURO Z2 PUNTA ESFÉRICA.** | **FRESA IN MD Z4, SEMISFERICA.**

#05

HM CARB | BRIGHT UNCOATED | TIVOLY NORM



Z4 | 30° | h9



Universal application. | Uso universal. | Fresatura polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

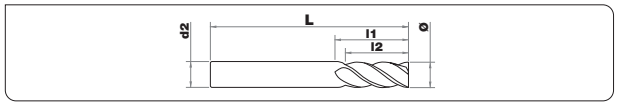
KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

8236071	EAN	ø	d2	L	l2	QTY	PCB
82360710100	3221910795016	1	3	39	3	1	1
82360710150	3221910795023	1,5	3	39	5	1	1
82360710200	3221910795030	2	3	39	7	1	1
82360710250	3221910795047	2,5	3	39	7	1	1
82360710300	3221910795054	3	3	39	9	1	1
82360710350	3221910795061	3,5	4	51	12	1	1
82360710400	3221910795078	4	4	51	14	1	1
82360710450	3221910795085	4,5	5	51	14	1	1
82360710500	3221910795092	5	5	51	16	1	1
82360710600	3221910795108	6	6	64	19	1	1
82360710700	3221910795115	7	8	64	19	1	1
82360710800	3221910795122	8	8	64	21	1	1
82360710900	3221910795139	9	10	70	22	1	1
82360711000	3221910795146	10	10	70	22	1	1
82360711100	3221910795153	11	11	70	25	1	1
82360711200	3221910795160	12	12	76	25	1	1
82360711400	3221910795177	14	14	89	30	1	1
82360711600	3221910795184	16	16	89	32	1	1
82360711800	3221910795191	18	18	102	35	1	1
82360712000	3221910795207	20	20	102	38	1	1
82360712200	3221910795214	22	22	102	38	1	1
82360712500	3221910795221	25	25	102	38	1	1

SOLID CARBIDE HARDCUT Z4 BALL NOSED.

FRESA METAL DURO HARDCUT Z2 PUNTA ESFÉRICA.

FRESA IN MD Z4, SEMISFERICA.



Universal application.

Uso universal.

Fresatura polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

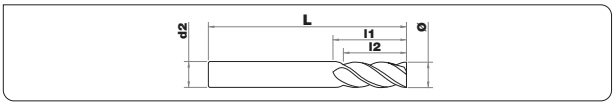
8236191	EAN	ø	d2	L	l2	QTY	PCB
82361910100	3221910823436	1	3	39	3	1	1
82361910150	3221910823443	1,5	3	39	5	1	1
82361910200	3221910823450	2	3	39	7	1	1
82361910250	3221910823467	2,5	3	39	7	1	1
82361910300	3221910823474	3	3	39	9	1	1
82361910350	3221910823481	3,5	4	51	12	1	1
82361910400	3221910823498	4	4	51	14	1	1
82361910450	3221910823504	4,5	5	51	14	1	1
82361910500	3221910823511	5	5	51	16	1	1
82361910600	3221910823528	6	6	64	19	1	1
82361910700	3221910823535	7	8	64	19	1	1
82361910800	3221910823542	8	8	64	21	1	1
82361910900	3221910823559	9	10	70	22	1	1
82361911000	3221910823566	10	10	70	22	1	1
82361911100	3221910823573	11	11	70	25	1	1
82361911200	3221910823580	12	12	76	25	1	1
82361911400	3221910823597	14	14	89	30	1	1
82361911600	3221910823603	16	16	89	32	1	1
82361911800	3221910823610	18	18	102	35	1	1
82361912000	3221910823627	20	20	102	38	1	1
82361912200	3221910823634	22	22	102	38	1	1
82361912500	3221910823641	25	25	102	38	1	1

SOLID CARBIDE ROUTER END MILLS.

FRESA METAL DURO RECANTEAR PUNTA FRESA.

FRESA IN MD PER CONTORNARE CON FRESA ALL'ESTREMITÀ.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM | 15



Machining cutting of composites (resin, fiberglass, carbon fibers).

para el fresado de composites (resinas, fibras de carbono/vidrio).

Taglio di materiali compositi (resine, fibre di carbonio/di vetro).

X

Composites
Composites Fibras
Fibre composite

8236831	EAN	Ø	d2	L	l2	QTY	PCB
82368310300	3221910882433	3	3	70	12	1	1
82368310400	3221910882440	4	4	70	16	1	1
82368310600	3221910882457	6	6	70	16	1	1
82368310800	3221910882464	8	8	70	25	1	1
82368311000	3221910882471	10	10	75	25	1	1
82368311200	3221910882488	12	12	75	25	1	1

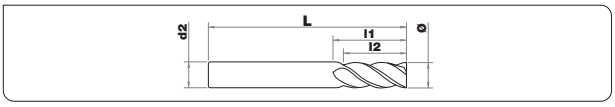
SOLID CARBIDE ROUTER END MILLS. DRILL POINT.

FRESA METAL DURO RECANTEAR PUNTA BROCA.

FRESA IN MD PER CONTORNARE CON PUNTA ALL'ESTREMITÀ.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM | 16

135°



Machining cutting of composites (resin, fiberglass, carbon fibers).

Para el fresado de composites (resinas, fibras de carbono/vidrio).

Taglio di materiali compositi (resine, fibre di carbonio/di vetro).

X

Composites
Composites Fibras
Fibre composite

8236841	EAN	Ø	d2	L	l2	QTY	PCB
82368410300	3221910882495	3	3	70	12	1	1
82368410400	3221910882501	4	4	70	16	1	1
82368410600	3221910882518	6	6	70	16	1	1
82368410800	3221910882525	8	8	70	25	1	1
82368411000	3221910882532	10	10	75	25	1	1
82368411200	3221910882549	12	12	75	25	1	1

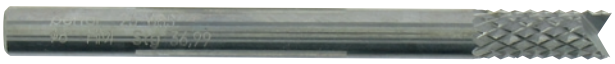
#05

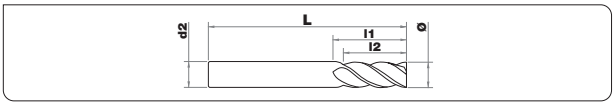
SOLID CARBIDE ROUTER END MILL. DRILL POINT (FISH TAIL).

FRESA METAL DURO RECANTEAR PUNTA BROCA "QUEUE DE POISSON".

FRESA IN MD PER CONTORNARE CON ESTREMITÀ "CODA DI PESCE".

HM CARB | BRIGHT UNCOATED | TIVOLY NORM





Machining cutting of composites (resin, fiberglass, carb. fibers).

Para el fresado de composites (resinas, fibras de carbono/vidrio).

Taglio di materiali compositi (resine, fibre di carbonio/di vetro).

X

Composites
Composites Fibras
Fibre composite

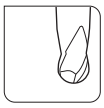
8236851	EAN	Ø	d2	L	l2	QTY	PCB
82368510300	3221910882556	3	3	70	12	1	1
82368510400	3221910882563	4	4	70	16	1	1
82368510600	3221910882570	6	6	70	16	1	1
82368510800	3221910882587	8	8	70	25	1	1
82368511000	3221910882594	10	10	75	25	1	1
82368511200	3221910882600	12	12	75	25	1	1

SOLID CARBIDE ULTRACUT END MILLS Z2 RAKE ANGLE 16° OVERSIZE SHANK.

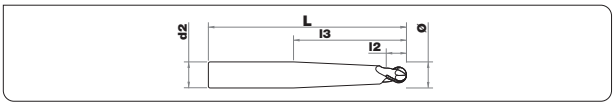
FRESA MD ULTRACUT Z2 CORTE A 16°, MANGO REFORZADO.

FRESA IN MD ULTRACUT Z2 TAGLIO A 16° CODOLO RINFORZATO.

HM CARB | ULTRA CUT COATED | TIVOLY NORM



Z2 | 30° | h9



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CDE — Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH — Stainless Steel
Aceros inoxidables
Acciai inossidabili

ARCo ARNi Ti — Ni / Co based special alloys & Titanium
Aleaciones refractarias Co / Ni y Titanio
Leghe refrattarie Co / Ni i titanio

8236281	EAN	Ø	d2	L	l2	l3	R	QTY	PCB
82362810300	3221910824020	3	6	80	3	37	1,5	1	1
82362810400	3221910824037	4	8	90	4	50	2	1	1
82362810500	3221910824044	5	8	100	5	49	2,5	1	1
82362810600	3221910824051	6	10	100	6	52	3	1	1
82362810800	3221910824068	8	12	100	8	53	4	1	1
82362811000	3221910824075	10	14	125	10	53	4	1	1
82362811200	3221910824082	12	16	140	12	58	6	1	1

SOLID CARBIDE ULTRACUT END MILLS Z2 RAKE ANGLE 16°.

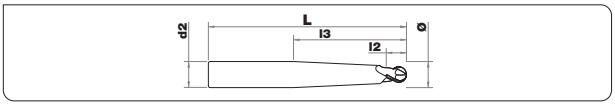
FRESA MD ULTRACUT Z2 COTE A 16°.

FRESA IN MD ULTRACUT Z2 TAGLIO A 16°.

#05

HM CARB | ULTRA CUT COATED | TIVOLY NORM

Z2 | 30° | h9



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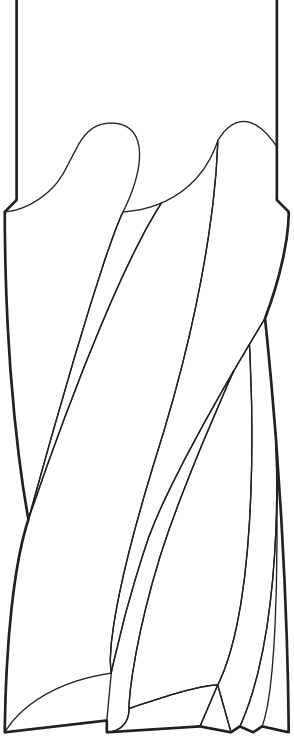
CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

ARCo ARNi Ti Ni / Co based special alloys & Titanium
Aleaciones refractarias Co / Ni y Titanio
Leghe refrattarie Co / Ni i titanio

8236311	EAN	Ø	d2	L	l2	R	QTY	PCB
82363110300	3221910824167	3	6	57	4	1,5	1	1
82363110400	3221910824174	4	6	80	5	2	1	1
82363110500	3221910824181	5	6	80	6	2,5	1	1
82363110600	3221910824198	6	6	80	10	3	1	1
82363110700	3221910824204	7	8	100	13	3,5	1	1
82363110800	3221910824211	8	8	100	16	4	1	1
82363110900	3221910824228	9	10	100	16	4,5	1	1
82363111000	3221910824235	10	10	100	19	5	1	1
82363111200	3221910824242	12	12	100	22	6	1	1
82363111600	3221910824259	16	16	125	32	8	1	1



CARBIDE END MILLS 238
FRESAS METAL DURO
FRESE CARBURE

HSS END MILLS 280
FRESAS HSS
FRESE HSS

COUNTERSINK BITS 308
AVELLANADORES
SVASATORI/LAMATURA

CARBIDE ROTARY BURRS 314
FRESAS LIMA
FRESE LIMA

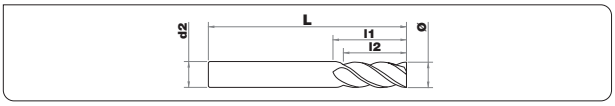
HSSE8 ROUTER END MILLS Z1.

FRESA HSSE8 Z1.

FRESA PER CONTORNARE HSS-E8, Z1.

HSS E8 | BRIGHT UNCOATED | TIVOLY NORM

Z1 | 30°



PVC and light alloys application.

PVC y aleaciones ligeras.

Scontornatura di profilati in alluminio e PVC.

K Fat aluminium alloys
Aleaciones de aluminio dúctil
Leghe di alluminio grasso

L Aluminium alloys Si<10%
Aleaciones de aluminio Si<10%
Leghe di alluminio grasso Si <10%

M Aluminium alloys Si>10%
Aleaciones de aluminio Si>10%
Leghe di alluminio Si >10%

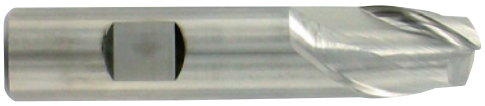
8030881	EAN	Ø	d2	L	l2	QTY	PCB
80308810406	3221910589332	4	8	60	12	1	1
80308810506	3221910589349	5	8	60	14	1	1
80308810508	3221910589356	5	8	80	14	1	1
80308810512	3221910589363	5	8	120	14	1	1
80308810606	3221910589370	6	8	60	14	1	1
80308810706	3221910589387	7	8	60	14	1	1
80308810808	3221910589394	8	8	80	14	1	1
80308810813	3221910589400	8	8	130	14	1	1
80308811008	3221910589417	10	8	80	14	1	1
80308811013	3221910589431	10	10	130	17	1	1

HSSE8 END MILLS Z2 SHORT SERIES SLOTTING.

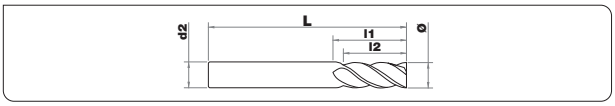
FRESA PARA RANURAR HSSE8 Z2 SERIE CORTA.

FRESA PER SCANALARE HSS-E8, Z2 CORTA.

HSS E8 | BRIGHT UNCOATED | DIN 327D



Z2 | 30° | e8



The HSSE8 Flexibility/life span, universal application.

Flexibilidad, duración de vida y uso polivalente.

Compromesso tra flessibilità/durata di HSS-E8, uso polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

NO Copper alloys
Aleaciones de cobre
Leghe di rame

8030031	EAN	Ø	d2	L	l2	QTY	PCB
80300310100	3221910569310	1	6	47	2,5	1	1
80300310150	3221910569327	1,5	6	47	3	1	1
80300310200	3221910569334	2	6	48	4	1	1
80300310210	3221910569341	2,1	6	48	4	1	1
80300310220	3221910569358	2,2	6	48	4	1	1
80300310230	3221910569365	2,3	6	48	4	1	1
80300310240	3221910569372	2,4	6	49	5	1	1
80300310250	3221910569389	2,5	6	49	5	1	1
80300310260	3221910569396	2,6	6	49	5	1	1
80300310270	3221910569402	2,7	6	49	5	1	1
80300310280	3221910569419	2,8	6	49	5	1	1
80300310290	3221910569426	2,9	6	49	5	1	1
80300310300	3221910569433	3	6	49	5	1	1

#05

80300310310	3221910569440	3,1	6	50	6	1	1
80300310320	3221910569457	3,2	6	50	6	1	1
80300310330	3221910569464	3,3	6	50	6	1	1
80300310340	3221910569471	3,4	6	50	6	1	1
80300310350	3221910569488	3,5	6	50	6	1	1
80300310360	3221910569495	3,6	6	50	6	1	1
80300310370	3221910569501	3,7	6	51	7	1	1
80300310380	3221910569518	3,8	6	51	7	1	1
80300310390	3221910569525	3,9	6	51	7	1	1
80300310400	3221910569532	4	6	51	7	1	1
80300310410	3221910569549	4,1	6	51	7	1	1
80300310420	3221910569556	4,2	6	51	7	1	1
80300310430	3221910569563	4,3	6	51	7	1	1
80300310440	3221910569570	4,4	6	51	7	1	1
80300310450	3221910569587	4,5	6	51	7	1	1
80300310460	3221910569594	4,6	6	51	7	1	1
80300310470	3221910569600	4,7	6	51	7	1	1
80300310480	3221910569617	4,8	6	52	8	1	1
80300310490	3221910569624	4,9	6	52	8	1	1
80300310500	3221910569631	5	6	52	8	1	1
80300310510	3221910569648	5,1	6	52	8	1	1
80300310520	3221910569655	5,2	6	52	8	1	1
80300310530	3221910569662	5,3	6	52	8	1	1
80300310540	3221910569679	5,4	6	52	8	1	1
80300310550	3221910569686	5,5	6	52	8	1	1
80300310560	3221910569693	5,6	6	52	8	1	1
80300310570	3221910569709	5,7	6	52	8	1	1
80300310580	3221910569716	5,8	6	52	8	1	1
80300310590	3221910569723	5,9	6	52	8	1	1
80300310600	3221910569730	6	6	52	8	1	1
80300310610	3221910569747	6,1	10	60	10	1	1
80300310620	3221910569754	6,2	10	60	10	1	1
80300310630	3221910569761	6,3	10	60	10	1	1
80300310640	3221910569778	6,4	10	60	10	1	1
80300310650	3221910569785	6,5	10	60	10	1	1
80300310660	3221910569792	6,6	10	60	10	1	1
80300310670	3221910569808	6,7	10	60	10	1	1
80300310680	3221910569815	6,8	10	60	10	1	1
80300310690	3221910569822	6,9	10	60	10	1	1
80300310700	3221910569839	7	10	60	10	1	1
80300310710	3221910569846	7,1	10	60	10	1	1
80300310720	3221910569853	7,2	10	60	10	1	1
80300310730	3221910569860	7,3	10	60	10	1	1
80300310740	3221910569877	7,4	10	60	10	1	1
80300310750	3221910569884	7,5	10	60	10	1	1
80300310760	3221910569891	7,6	10	61	11	1	1
80300310770	3221910569907	7,7	10	61	11	1	1
80300310780	3221910569914	7,8	10	61	11	1	1
80300310790	3221910569921	7,9	10	61	11	1	1
80300310800	3221910569938	8	10	61	11	1	1
80300310810	3221910569945	8,1	10	61	11	1	1
80300310820	3221910569952	8,2	10	61	11	1	1
80300310830	3221910569969	8,3	10	61	11	1	1
80300310840	3221910569976	8,4	10	61	11	1	1
80300310850	3221910569983	8,5	10	61	11	1	1
80300310860	3221910569990	8,6	10	61	11	1	1
80300310870	3221910570002	8,7	10	61	11	1	1
80300310880	3221910570019	8,8	10	61	11	1	1
80300310890	3221910570026	8,9	10	61	11	1	1
80300310900	3221910570033	9	10	61	11	1	1
80300310910	3221910570040	9,1	10	61	11	1	1
80300310920	3221910570057	9,2	10	61	11	1	1
80300310930	3221910570064	9,3	10	61	11	1	1
80300310940	3221910570071	9,4	10	61	11	1	1
80300310950	3221910570088	9,5	10	61	11	1	1
80300310960	3221910570095	9,6	10	63	13	1	1
80300310970	3221910570101	9,7	10	63	13	1	1
80300310980	3221910570118	9,8	10	63	13	1	1
80300310990	3221910570125	9,9	10	63	13	1	1
80300311000	3221910570132	10	10	63	13	1	1
80300311050	3221910570149	10,5	12	70	13	1	1
80300311100	3221910570156	11	12	70	13	1	1
80300311150	3221910570163	11,5	12	70	13	1	1
80300311200	3221910570170	12	12	73	16	1	1
80300311250	3221910570187	12,5	12	73	16	1	1
80300311300	3221910570194	13	12	73	16	1	1
80300311350	3221910570200	13,5	12	73	16	1	1
80300311400	3221910570217	14	12	73	16	1	1
80300311450	3221910570224	14,5	12	73	16	1	1
80300311500	3221910570231	15	12	73	16	1	1
80300311550	3221910570248	15,5	16	79	19	1	1

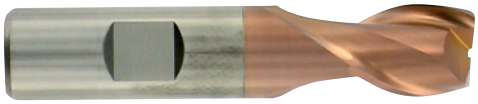
8030031	EAN	Ø	d2	L	l2	QTY	PCB
80300311600	3221910570255	16	16	79	19	1	1
80300311650	3221910570262	16,5	16	79	19	1	1
80300311700	3221910570279	17	16	79	19	1	1
80300311750	3221910570286	17,5	16	79	19	1	1
80300311800	3221910570293	18	16	79	19	1	1
80300311850	3221910570309	18,5	16	79	19	1	1
80300311900	3221910570316	19	16	79	19	1	1
80300311950	3221910570323	19,5	20	88	22	1	1
80300312000	3221910570330	20	20	88	22	1	1
80300312200	3221910570347	22	20	88	22	1	1
80300312400	3221910570354	24	25	102	26	1	1
80300312500	3221910570361	25	25	102	26	1	1
80300312600	3221910570378	26	25	102	26	1	1
80300312800	3221910570385	28	25	102	26	1	1
80300313000	3221910570392	30	25	102	26	1	1
80300313200	3221910570408	32	32	112	32	1	1
80300313600	3221910570415	36	32	112	32	1	1
80300314000	3221910570422	40	40	130	38	1	1

HSSE8 HIGHCUT END MILLS Z2 SHORT SERIES SLOTTING.

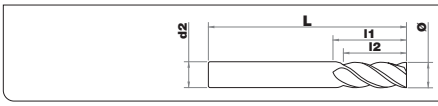
FRESA PARA RANURAR HSSE8 HIGHCUT Z2 SERIE CORTA.

FRESA PER SCANALARE HSS-E8, Z2 CORTA.

HSS E8 | HICUT COATED | DIN 327D



Z2 | 30° | e8



The HSSE8 Flexibility/life span, universal application.

Flexibilidad, duración de vida y uso polivalente.

Compromesso tra flessibilità/durata di HSS-E8, uso polivalente.

AB
Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD
Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH
Stainless Steel
Aceros inoxidables
Acciai inossidabili

NO
Copper alloys
Aleaciones de cobre
Leghe di rame

8036491	EAN	Ø	d2	L	l2	QTY	PCB
80364910100	3221910635176	1	6	47	2,5	1	1
80364910200	3221910635183	2	6	48	4	1	1
80364910300	3221910635190	3	6	49	5	1	1
80364910400	3221910635206	4	6	51	7	1	1
80364910500	3221910635213	5	6	52	8	1	1
80364910600	3221910635220	6	6	52	8	1	1
80364910800	3221910635237	8	10	61	11	1	1
80364911000	3221910635244	10	10	63	13	1	1
80364911200	3221910635251	12	12	73	16	1	1
80364911400	3221910635268	14	12	73	16	1	1
80364911600	3221910635275	16	16	79	19	1	1
80364911800	3221910635282	18	16	79	19	1	1
80364912000	3221910635299	20	20	88	22	1	1
80364912200	3221910635305	22	20	88	22	1	1
80364912500	3221910635312	25	25	102	26	1	1

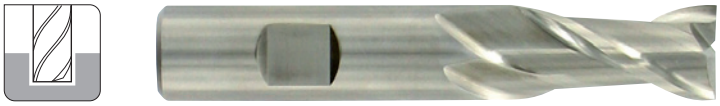
HSSE8 END MILLS Z2 SLOTTING.

FRESAS PARA RANURAR HSSE8 Z2.

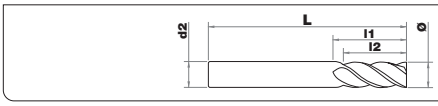
FRESA PER SCANALARE HSS-E8, Z2, NORMALE.

#05

HSS E8 | BRIGHT UNCOATED | DIN 844BK



Z2 | 30° | e8



The HSSE8 Flexibility/life span, universal application.

Flexibilidad, duración de vida y uso polivalente.

Compromesso tra flessibilità/durata di HSS-E8, uso polivalente.

AB — Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD — Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

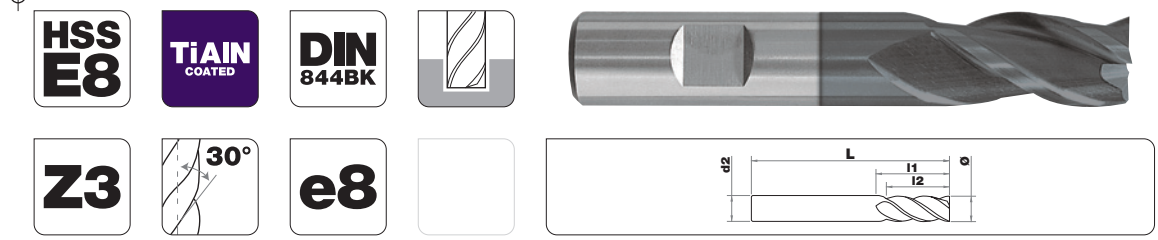
FGH — Stainless Steel
Aceros inoxidables
Acciai inossidabili

8030131	EAN	Ø	d2	L	l2	QTY	PCB
80301310200	3221910572174	2	6	51	7	1	1
80301310250	3221910572181	2,5	6	52	8	1	1
80301310300	3221910572198	3	6	52	8	1	1
80301310350	3221910572204	3,5	6	54	10	1	1
80301310400	3221910572211	4	6	55	11	1	1
80301310500	3221910572228	5	6	57	13	1	1
80301310600	3221910572235	6	6	57	13	1	1
80301310700	3221910572242	7	10	66	16	1	1
80301310800	3221910572259	8	10	69	19	1	1
80301310900	3221910572266	9	10	69	19	1	1
80301311000	3221910572273	10	10	72	22	1	1
80301311100	3221910572280	11	12	79	22	1	1
80301311200	3221910572297	12	12	83	26	1	1
80301311300	3221910572303	13	12	83	26	1	1
80301311400	3221910572310	14	12	83	26	1	1
80301311500	3221910572327	15	12	83	26	1	1
80301311600	3221910572334	16	16	92	32	1	1
80301311800	3221910572341	18	16	92	32	1	1
80301312000	3221910572358	20	20	104	38	1	1

HSSE8 TIALN END MILLS Z3 SLOTTING.

FRESAS PARA RANURAR HSSE8 TIALN Z3.

FRESA PER SCANALARE HSS-E8, TIAIN, Z3, NORMALE.



Slotting.

Ranurado.

Scanalatura.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

NO Copper alloys
Aleaciones de cobre
Leghe di rame

8037131	EAN	ø	d2	L	l2	QTY	PCB
80371310400	3221910883188	4	6	55	11	1	1
80371310500	3221910883195	5	6	57	13	1	1
80371310600	3221910883201	6	6	57	13	1	1
80371310800	3221910883218	8	10	69	19	1	1
80371311000	3221910883225	10	10	72	22	1	1
80371311200	3221910883232	12	12	83	26	1	1
80371311600	3221910883249	16	16	92	32	1	1
80371312000	3221910883256	20	20	104	38	1	1

HSSE8 END MILLS Z3 SHORT SERIES SLOTTING.

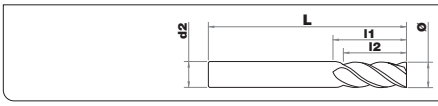
FRESAS PARA RANURAR HSSE8 Z3.

FRESA PER SCANALARE HSS-E8, Z3, CORTA.

#05

HSS E8 | BRIGHT UNCOATED | DIN 327D

Z3 | 35° | e8



The HSSE8 Flexibility/life span, universal application.

Flexibilidad, duración de vida y uso polivalente.

Compromesso tra flessibilità/durata di HSS-E8, uso polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

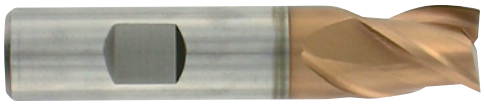
8030111	EAN	Ø	d2	L	l2	QTY	PCB
80301110200	3221910571467	2	6	48	4	1	1
80301110300	3221910571474	3	6	49	5	1	1
80301110400	3221910571481	4	6	51	7	1	1
80301110500	3221910571498	5	6	52	8	1	1
80301110600	3221910571504	6	10	60	10	1	1
80301110700	3221910571511	7	10	60	10	1	1
80301110800	3221910571528	8	10	61	11	1	1
80301110900	3221910571535	9	10	61	11	1	1
80301111000	3221910571542	10	10	63	13	1	1
80301111100	3221910571559	11	12	70	13	1	1
80301111200	3221910571566	12	12	73	16	1	1
80301111300	3221910571573	13	12	73	16	1	1
80301111400	3221910571580	14	12	73	16	1	1
80301111500	3221910571597	15	12	73	16	1	1
80301111600	3221910571603	16	16	79	19	1	1
80301111800	3221910571610	18	16	79	19	1	1
80301112000	3221910571627	20	20	88	22	1	1
80301112200	3221910571634	22	20	88	22	1	1
80301112400	3221910571641	24	25	102	26	1	1
80301112500	3221910571658	25	25	102	26	1	1
80301112800	3221910571672	28	25	102	26	1	1
80301113000	3221910571689	30	25	102	26	1	1
80301113200	3221910571696	32	32	112	32	1	1

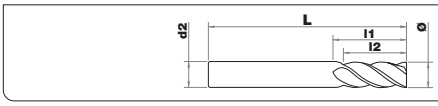
HSSE8 HIGHCUT END MILLS Z3 SHORT SERIES SLOTTING.

FRESAS PARA RANURAR HSSE8 (HIGHCUT) Z3.

FRESA PER SCANALARE HSS-E8 HIGHCUT, Z3, CORTA.

HSS E8 | HICUT COATED | DIN 327D | Z3 | 35° | e8





The HSSE8 Flexibility/life span, universal application.

Flexibilidad, duración de vida y uso polivalente.

Compromesso tra flessibilità/durata di HSS-E8, uso polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

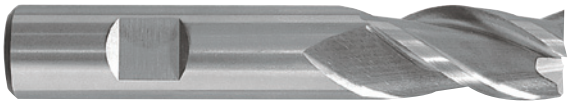
8036171	EAN	Ø	d2	L	l2	QTY	PCB
80361710200	3221910631918	2	6	48	4	1	1
80361710300	3221910631925	3	6	49	5	1	1
80361710400	3221910631932	4	6	51	7	1	1
80361710500	3221910631949	5	6	52	8	1	1
80361710600	3221910631956	6	10	60	10	1	1
80361710800	3221910631963	8	10	61	11	1	1
80361711000	3221910631970	10	10	63	13	1	1
80361711200	3221910631987	12	12	73	16	1	1
80361711400	3221910631994	14	12	73	16	1	1
80361711600	3221910632007	16	16	79	19	1	1
80361711800	3221910632014	18	16	79	19	1	1
80361712000	3221910632021	20	20	88	22	1	1
80361712200	3221910632038	22	20	88	22	1	1
80361712500	3221910632045	25	25	102	26	1	1

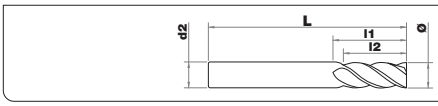
HSSE8 END MILLS. Z3 SLOTTING.

FRESAS PARA RANURAR HSSE8 Z3.

FRESA PER SCANALARE HSS-E8, Z3, NORMALE.

HSS E8 | BRIGHT UNCOATED | DIN 844BK | Z3 | 45° | e8





The HSSE8 Flexibility/life span, universal application.

Flexibilidad, duración de vida y uso polivalente.

Compromesso tra flessibilità/durata di HSS-E8, uso polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

NO Copper alloys
Aleaciones de cobre
Leghe di rame

8034761	EAN	Ø	d2	L	l2	QTY	PCB
80347610300	3221910630737	3	6	52	8	1	1
80347610350	3221910630744	3,5	6	54	10	1	1
80347610400	3221910630751	4	6	55	11	1	1
80347610450	3221910630768	4,5	6	55	11	1	1
80347610500	3221910630775	5	6	57	13	1	1
80347610550	3221910630782	5,5	6	57	13	1	1
80347610600	3221910630799	6	6	57	13	1	1
80347610650	3221910630805	6,5	10	66	16	1	1
80347610700	3221910630812	7	10	66	16	1	1

#05

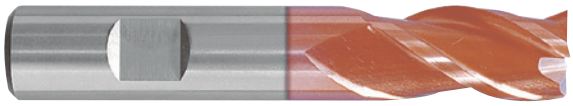
8034761	EAN	Ø	d2	L	l2	QTY	PCB
80347610750	3221910630829	7,5	10	66	16	1	1
80347610800	3221910630836	8	10	69	19	1	1
80347610850	3221910630843	8,5	10	69	19	1	1
80347610900	3221910630850	9	10	69	19	1	1
80347610950	3221910630867	9,5	10	69	19	1	1
80347611000	3221910630874	10	10	72	22	1	1
80347611100	3221910630881	11	12	79	22	1	1
80347611200	3221910630898	12	12	83	26	1	1
80347611400	3221910630904	14	12	83	26	1	1
80347611600	3221910630911	16	16	92	32	1	1
80347611800	3221910630928	18	16	92	32	1	1
80347612000	3221910630935	20	20	104	38	1	1
80347612200	3221910630942	22	20	104	38	1	1
80347612400	3221910630959	24	25	121	45	1	1
80347612500	3221910630966	25	25	121	45	1	1
80347613200	3221910630973	32	25	133	53	1	1

HSSE8 HIGHCUT END MILLS. Z3 SLOTTING.

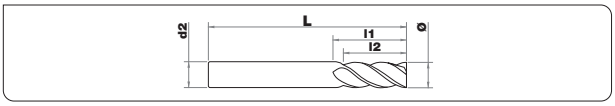
FRESAS PARA RANURAR HSSE8 (HIGHCUT) Z3.

FRESA PER SCANALARE HSS-E8, Z3, NORMALE.

HSS E8 | HICUT COATED | DIN 844BK



Z3 | 45° | e8



The HSSE8 Flexibility/life span, universal application.

Flexibilidad, duración de vida y uso polivalente.

Compromesso tra flessibilità/durata di HSS-E8, uso polivalente.

AB — Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD — Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH — Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ — Cast iron
Fundiciones
Ghisa

NO — Copper alloys
Aleaciones de cobre
Leghe di rame

8036501	EAN	Ø	d2	L	l2	QTY	PCB
80365010300	3221910635329	3	6	52	8	1	1
80365010400	3221910635336	4	6	55	11	1	1
80365010500	3221910635343	5	6	57	13	1	1
80365010600	3221910635350	6	6	57	13	1	1
80365010800	3221910635367	8	10	69	19	1	1
80365011000	3221910635374	10	10	72	22	1	1
80365011200	3221910635381	12	12	83	26	1	1
80365011400	3221910635398	14	12	83	26	1	1
80365011600	3221910635404	16	16	92	32	1	1
80365011800	3221910635411	18	16	92	32	1	1
80365012000	3221910635428	20	20	104	38	1	1
80365012200	3221910635435	22	20	104	38	1	1
80365012500	3221910635442	25	25	121	45	1	1

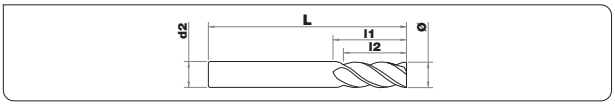
HSSE8 END MILLS. Z3 LONG SERIES SLOTTING.

FRESAS PARA RANURAR HSSE8 Z3 SERIE LARGA.

FRESA PER SCANALARE HSS-E8, Z3, LUNGA.

HSS E8 | BRIGHT UNCOATED | TIVOLY NORM

Z3 | 45° | e8



The HSSE8 Flexibility/life span, universal application.

Flexibilidad, duración de vida y uso polivalente.

Compromesso tra flessibilità/durata di HSS-E8, uso polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

NO Copper alloys
Aleaciones de cobre
Leghe di rame

8032811	EAN	Ø	d2	L	l2	QTY	PCB
80328110400	3221910625771	4	6	63	11	1	1
80328110500	3221910625788	5	6	68	13	1	1
80328110600	3221910625795	6	6	68	13	1	1
80328110700	3221910625801	7	10	80	16	1	1
80328110800	3221910625818	8	10	88	19	1	1
80328110900	3221910625825	9	10	88	19	1	1
80328111000	3221910625832	10	10	95	22	1	1
80328111200	3221910625849	12	12	110	26	1	1
80328111400	3221910625856	14	12	110	26	1	1
80328111600	3221910625863	16	16	123	32	1	1
80328111800	3221910625870	18	13	123	32	1	1
80328112000	3221910625887	20	20	141	38	1	1

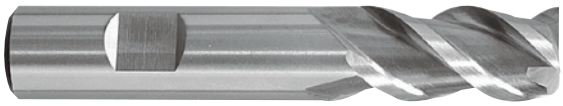
HSSE8 END MILLS Z2-3 FINISHING.

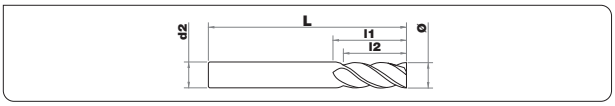
FRESA DE ACABADO HSSE8 Z2-3.

FRESA PER FINITURA HSS-E8, Z2-3, NORMALE.

HSS E8 | BRIGHT UNCOATED | DIN 844BK

Z 2-3 | 45°





The HSSE8 Flexibility/life span, universal application.

Flexibilidad, duración de vida y uso polivalente.

Compromesso tra flessibilità/durata di HSS-E8, uso polivalente.

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

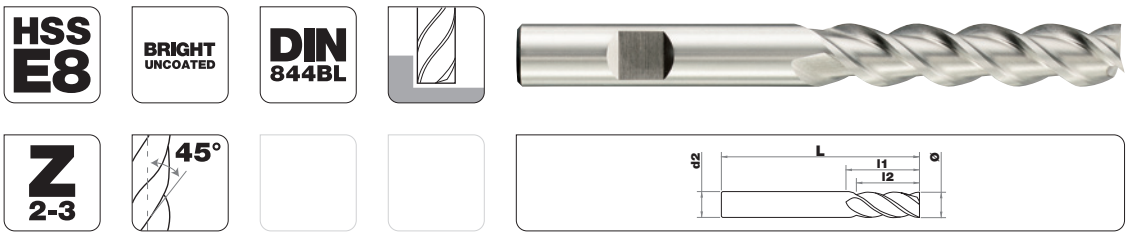
8030261	EAN	Ø	d2	L	l2	QTY	PCB
80302610300	3221910576202	3	6	52	8	1	1
80302610400	3221910576219	4	6	55	11	1	1
80302610500	3221910576226	5	6	57	13	1	1
80302610600	3221910576233	6	6	57	13	1	1
80302610800	3221910576240	8	10	69	19	1	1
80302611000	3221910576257	10	10	72	22	1	1
80302611200	3221910576264	12	12	83	26	1	1
80302611400	3221910576271	14	12	83	26	1	1
80302611600	3221910576288	16	16	92	32	1	1
80302611800	3221910576295	18	16	92	32	1	1
80302612000	3221910576301	20	20	104	38	1	1
80302612500	3221910576318	25	25	121	45	1	1

8030261	EAN	Ø	d2	L	l2	QTY	PCB
80302613000	3221910576325	30	25	121	45	1	1
80302613200	3221910576332	32	32	133	53	1	1

HSSE8 END MILLS Z2-3 LONG SERIES FINISHING.

FRESA DE ACABADO HSSE8 Z2-3 SERIE LARGA.

FRESA PER FINITURA HSS-E8, Z2-3, LUNGA.



The HSSE8 Flexibility/life span, universal application.

Flexibilidad, duración de vida y uso polivalente.

Compromesso tra flessibilità/durata di HSS-E8, uso polivalente.

KLM

Aluminium alloys

Aleaciones de aluminio

Leghe di alluminio

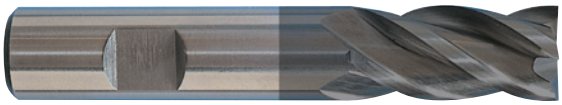
8030281	EAN	Ø	d2	L	l2	Z	QTY	PCB
80302810400	3221910576608	4	6	63	19	2	1	1
80302810500	3221910576615	5	6	68	24	2	1	1
80302810600	3221910576622	6	6	68	24	2	1	1
80302810800	3221910576639	8	10	88	38	2	1	1
80302811000	3221910576646	10	10	95	45	3	1	1
80302811200	3221910576653	12	12	110	53	3	1	1
80302811400	3221910576660	14	12	110	53	3	1	1
80302811600	3221910576677	16	16	123	63	3	1	1
80302811800	3221910576684	18	16	123	63	3	1	1
80302812000	3221910576691	20	20	141	75	3	1	1
80302812500	3221910576707	25	25	166	90	3	1	1
80302813000	3221910576714	30	25	166	90	3	1	1
80302813200	3221910576721	32	32	186	106	3	1	1

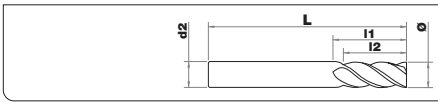
HSSE8 TIALN END MILLS Z4 FINISHING.

FRESA DE ACABADO HSSE8 TIALN Z4.

FRESA PER FINITURA HSS-E8, TIAIN Z4 NORMALE.

HSS E8 | TiAIN COATED | DIN 844BK | Z4 | 30°





Finishing.

Acabado.

Finitura.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

NO Copper alloys
Aleaciones de cobre
Leghe di rame

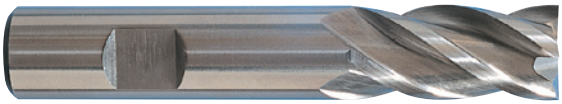
8037141	EAN	Ø	d2	L	l2	QTY	PCB
80371410400	3221910883263	4	6	55	11	1	1
80371410500	3221910883270	5	6	57	13	1	1
80371410600	3221910883287	6	6	57	13	1	1
80371410800	3221910883294	8	10	69	19	1	1
80371411000	3221910883300	10	10	72	22	1	1
80371411200	3221910883317	12	12	83	26	1	1
80371411600	3221910883324	16	16	92	32	1	1
80371412000	3221910883331	20	20	104	38	1	1

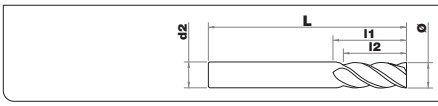
HSSE8 HIGHTCUT END MILLS. Z3-6 FINISHING.

FRESA DE ACABADO HSSE8 Z3-6.

FRESA PER FINITURA HSS-E8, Z3-6, NORMALE.

HSS E8 | BRIGHT UNCOATED | DIN 844BK | Z 3-6 | 40°





The HSSE8 Flexibility/life span, universal application.

Flexibilidad, duración de vida y uso polivalente.

Compromesso tra flessibilità/durata di HSS-E8, uso polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

NO Copper alloys
Aleaciones de cobre
Leghe di rame

8030191	EAN	Ø	d2	L	l2	Z	QTY	PCB
80301910200	3221910574390	2	6	51	7	3	1	1
80301910250	3221910574406	2,5	6	52	8	3	1	1
80301910300	3221910574413	3	6	52	8	3	1	1
80301910350	3221910574420	3,5	6	54	10	3	1	1
80301910400	3221910574437	4	6	55	11	4	1	1
80301910450	3221910574444	4,5	6	55	11	4	1	1
80301910500	3221910574451	5	6	57	13	4	1	1
80301910600	3221910574468	6	6	57	13	4	1	1
80301910700	3221910574475	7	10	66	16	4	1	1

#05

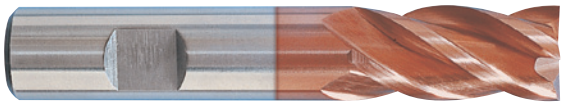
8030191	EAN	Ø	d2	L	l2	Z	QTY	PCB
80301910800	3221910574482	8	10	69	19	4	1	1
80301910900	3221910574499	9	10	69	19	4	1	1
80301911000	3221910574505	10	10	72	22	4	1	1
80301911100	3221910574512	11	12	79	22	4	1	1
80301911200	3221910574529	12	12	83	26	4	1	1
80301911300	3221910574536	13	12	83	26	4	1	1
80301911400	3221910574543	14	12	83	26	4	1	1
80301911500	3221910574550	15	12	83	26	4	1	1
80301911600	3221910574567	16	16	92	32	4	1	1
80301911800	3221910574574	18	16	92	32	4	1	1
80301912000	3221910574581	20	20	104	38	4	1	1
80301912200	3221910574598	22	20	104	38	4	1	1
80301912400	3221910574604	24	25	121	45	4	1	1
80301912500	3221910574611	25	25	121	45	6	1	1
80301912600	3221910574628	26	25	121	45	6	1	1
80301912800	3221910574635	28	25	121	45	6	1	1
80301913000	3221910574642	30	25	121	45	6	1	1
80301913200	3221910574659	32	32	133	53	6	1	1
80301913600	3221910574666	36	32	133	53	6	1	1
80301914000	3221910574673	40	40	155	63	6	1	1

HSSE8 HIGHTCUT END MILLS. Z3-6 FINISHING.

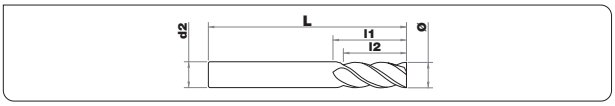
FRESA DE ACABADO HSSE8 HIGH-CUT Z3-6.

FRESA PER FINITURA HSS-E8, Z3-6, NORMALE.

HSS E8 | HICUT COATED | DIN 844BK



Z 3-6 | 40°



The HSSE8 Flexibility/life span, universal application.

Flexibilidad, duración de vida y uso polivalente.

Compromesso tra flessibilità/durata di HSS-E8, uso polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

NO Copper alloys
Aleaciones de cobre
Leghe di rame

8036221	EAN	Ø	d2	L	l2	Z	QTY	PCB
80362210200	3221910632472	2	6	51	7	3	1	1
80362210300	3221910632489	3	6	52	8	3	1	1
80362210400	3221910632496	4	6	55	11	4	1	1
80362210500	3221910632502	5	6	57	13	4	1	1
80362210600	3221910632519	6	6	57	13	4	1	1
80362210800	3221910632526	8	10	69	19	4	1	1
80362211000	3221910632533	10	10	72	22	4	1	1
80362211200	3221910632540	12	12	83	26	4	1	1
80362211400	3221910632557	14	12	83	26	4	1	1
80362211600	3221910632564	16	16	92	32	4	1	1
80362211800	3221910632571	18	16	92	32	4	1	1
80362212000	3221910632588	20	20	104	38	4	1	1
80362212200	3221910632595	22	20	104	38	4	1	1
80362212500	3221910632601	25	25	121	45	6	1	1
80362213000	3221910632618	30	25	121	45	6	1	1
80362213200	3221910632625	32	32	133	53	6	1	1

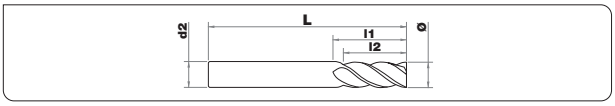
HSSE8 END MILLS Z3 LONG SERIES FINISHING.

FRESA DE ACABADO HSSE8 Z3 SERIE LARGA.

FRESA PER FINITURA HSS-E8, Z3, LUNGA.

HSS E8 | BRIGHT UNCOATED | DIN 844BL

Z3 | 40°



The HSSE8 Flexibility/life span, universal application.

Flexibilidad, duración de vida y uso polivalente.

Compromesso tra flessibilità/durata di HSS-E8, uso polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

8030151	EAN	Ø	d2	L	l2	QTY	PCB
80301510400	3221910572860	4	6	39	19	1	1
80301510500	3221910572877	5	6	68	24	1	1
80301510600	3221910572884	6	6	68	24	1	1
80301510800	3221910572891	8	10	88	38	1	1
80301511000	3221910572907	10	10	95	45	1	1
80301511200	3221910572914	12	12	110	53	1	1
80301511400	3221910572921	14	12	110	53	1	1
80301511600	3221910572938	16	16	123	63	1	1
80301511800	3221910572945	18	16	123	63	1	1
80301512000	3221910572952	20	20	141	75	1	1

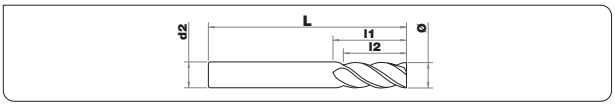
HSS PM [ASP] END MILLS Z4-6 LONG SERIES FINISHING.

FRESA DE ACABADO HSS PM (ASP) HIGHCUT Z4-6 SERIE LARGA.

FRESA PER FINITURA HSS PM Z4-6 LUNGA.

HSS PM | BRIGHT UNCOATED | DIN 844BL

Z 4-6 | 45°



The ASP toughness, universal application, life span, profitability.

Tenacidad del acero sinterizado, polivalencia, duración, rentabilidad.

Resistenza dell'acciaio sint., polivalente, lunga durata, affidabilità.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

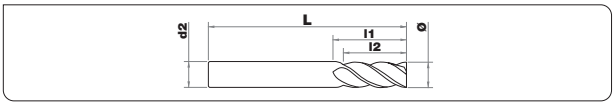
NO Copper alloys
Aleaciones de cobre
Leghe di rame

8030821	EAN	Ø	d2	L	l2	Z	QTY	PCB
80308210600	3221910588700	6	6	68	24	4	1	1
80308210800	3221910588717	8	10	88	38	4	1	1
80308211000	3221910588724	10	10	95	45	4	1	1
80308211200	3221910588731	12	12	110	53	4	1	1
80308211400	3221910588748	14	12	110	53	4	1	1
80308211600	3221910588755	16	16	123	63	4	1	1
80308211800	3221910588762	18	16	123	63	4	1	1
80308212000	3221910588779	20	20	141	75	4	1	1
80308212500	3221910588786	25	25	166	90	6	1	1
80308213000	3221910588793	30	25	166	90	6	1	1
80308213200	3221910588809	32	32	186	106	6	1	1

HSSE8 END MILLS. Z4-6 LONG SERIES FINISHING.

FRESA DE ACABADO HSSE8 Z4-6 SERIE LARGA.

FRESA PER FINITURA HSS-E8 Z4-6 LUNGA.



The HSSE8 Flexibility/life span, universal application.

Flexibilidad, duración de vida y uso polivalente.

Compromesso tra flessibilità/durata di HSS-E8, uso polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

NO Copper alloys
Aleaciones de cobre
Leghe di rame

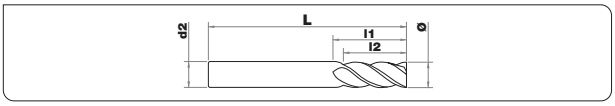
8030231	EAN	Ø	d2	L	l2	Z	QTY	PCB
80302310400	3221910575571	4	6	63	19	4	1	1
80302310500	3221910575588	5	6	68	24	4	1	1
80302310600	3221910575595	6	6	68	24	4	1	1
80302310800	3221910575601	8	10	88	38	4	1	1
80302311000	3221910575618	10	10	95	45	4	1	1
80302311200	3221910575625	12	12	110	53	4	1	1
80302311400	3221910575632	14	12	110	53	4	1	1
80302311600	3221910575649	16	16	123	63	4	1	1
80302311800	3221910575656	18	16	123	63	4	1	1
80302312000	3221910575663	20	20	414	75	4	1	1
80302312200	3221910575670	22	22	141	75	4	1	1
80302312500	3221910575687	25	25	166	90	6	1	1
80302312800	3221910575694	28	25	166	90	6	1	1
80302313000	3221910575700	30	25	166	90	6	1	1
80302313200	3221910575717	32	32	186	106	6	1	1
80302313600	3221910575724	36	36	186	106	6	1	1
80302314000	3221910575731	40	40	217	125	6	1	1

HSSE8 HIGHCUT END MILLS. Z4-6 LONG SERIES FINISHING.

FRESA DE ACABADO HSSE8 HIGH-CUT Z4-6 SERIE LARGA.

FRESA PER FINITURA HSS-E8 HIGH-CUT Z4-6 LUNGA.

HSS E8 | HICUT COATED | DIN 844BL | Z 4-6 | 40°



The HSSE8 Flexibility/life span, universal application.

Flexibilidad, duración de vida y uso polivalente.

Compromesso tra flessibilità/durata di HSS-E8, uso polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

NO Copper alloys
Aleaciones de cobre
Leghe di rame

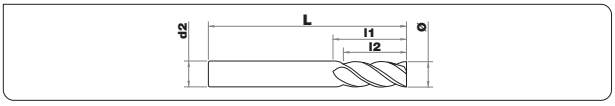
8036231	EAN	Ø	d2	L	l2	Z	QTY	PCB
80362310400	3221910632663	4	6	63	19	4	1	1
80362310500	3221910632670	5	6	68	24	4	1	1
80362310600	3221910632687	6	6	68	24	4	1	1
80362310800	3221910632694	8	10	88	38	4	1	1
80362311000	3221910632700	10	10	95	45	4	1	1
80362311200	3221910632717	12	12	110	53	4	1	1
80362311400	3221910632724	14	12	110	53	4	1	1
80362311600	3221910632731	16	16	123	63	4	1	1
80362311800	3221910632748	18	16	123	63	4	1	1
80362312000	3221910632755	20	20	414	75	4	1	1
80362312200	3221910632762	22	22	141	75	4	1	1
80362312500	3221910632779	25	25	166	90	6	1	1
80362313000	3221910632786	30	25	166	90	6	1	1
80362313200	3221910632793	32	32	186	106	6	1	1

HSSE8 END MILLS. Z4 EXTRA LONG SERIES FINISHING.

FRESA DE ACABADO HSSE8 Z4 SERIE EXTRA LARGA.

FRESA PER FINITURA HSS-E8 Z4 EXTRA LUNGA.

HSS E8 | BRIGHT UNCOATED | TIVOLY NORM | Z4 | 40°



The HSSE8 Flexibility/life span, universal application.

Flexibilidad, duración de vida y uso polivalente.

Compromesso tra flessibilità/durata di HSS-E8, uso polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

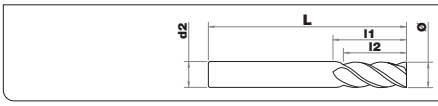
CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

8030161	EAN	Ø	d2	L	l2	QTY	PCB
80301610600	3221910573126	6	6	95	50	1	1
80301610800	3221910573133	8	10	110	60	1	1
80301611000	3221910573140	10	10	115	65	1	1
80301611200	3221910573157	12	12	130	75	1	1
80301611400	3221910573164	14	12	135	80	1	1
80301611600	3221910573171	16	16	155	95	1	1
80301611800	3221910573188	18	16	160	100	1	1
80301612000	3221910573195	20	20	175	110	1	1

HSSE8 TIALN END MILLS Z4 ROUGHING.

FRESA PARA DESBASTAR HSSE8 TIALN Z4.

FRESA PER SGROSSATURA HSS-E8 TIAIN Z4 NORMALE.



Roughing.

Desbastar.

Operazioni per sgrossatura.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

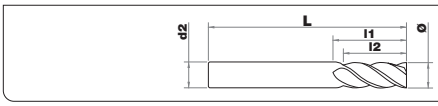
IJ Cast iron
Fundiciones
Ghisa

8037151	EAN	Ø	d2	L	l2	QTY	PCB
80371510600	3221910883348	6	6	57	13	1	1
80371510800	3221910883355	8	10	69	19	1	1
80371511000	3221910883362	10	10	72	22	1	1
80371511200	3221910883379	12	12	83	26	1	1
80371511600	3221910883386	16	16	92	32	1	1
80371512000	3221910883393	20	20	104	38	1	1

HSSE8 END MILLS Z4-6 ROUGHING.

FRESA PARA DESBASTAR HSSE8 Z4-6.

FRESA PER SGROSSATURA HSS-E8 Z4-6 NORMALE.



The HSSE8 Flexibility/life span, universal application.

Flexibilidad, duración de vida y uso polivalente.

Compromesso tra flessibilità/durata di HSS-E8, uso polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

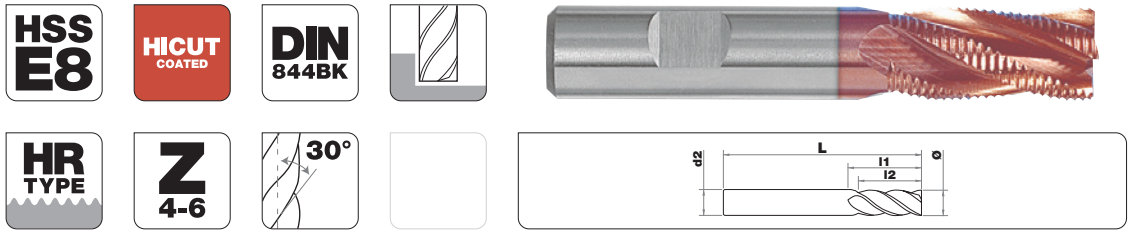
FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

8036341	EAN	Ø	d2	L	l2	Z	QTY	PCB
80363410600	3221910633684	6	6	57	13	4	1	1
80363410800	3221910633691	8	10	69	16	4	1	1
80363411000	3221910633707	10	10	72	22	4	1	1
80363411200	3221910633714	12	12	83	26	4	1	1
80363411400	3221910633721	14	12	83	26	4	1	1
80363411600	3221910633738	16	16	92	32	4	1	1
80363411800	3221910633745	18	16	92	32	4	1	1
80363412000	3221910633752	20	20	104	38	4	1	1
80363412200	3221910633769	22	20	104	38	4	1	1
80363412500	3221910633776	25	25	121	45	4	1	1
80363413000	3221910633783	30	25	121	45	6	1	1
80363413200	3221910633790	32	32	133	53	6	1	1

HSSE8 HIGHCUT END MILLS Z4-6 ROUGHING.

FRESA PARA DESBASTAR HSSE8 HIGHCUT Z4-6.

FRESA PER SGROSSATURA HSS-E8 Z4-6 NORMALE.



The HSSE8 Flexibility/life span, universal application.

Flexibilidad, duración de vida y uso polivalente.

Compromesso tra flessibilità/durata di HSS-E8, uso polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

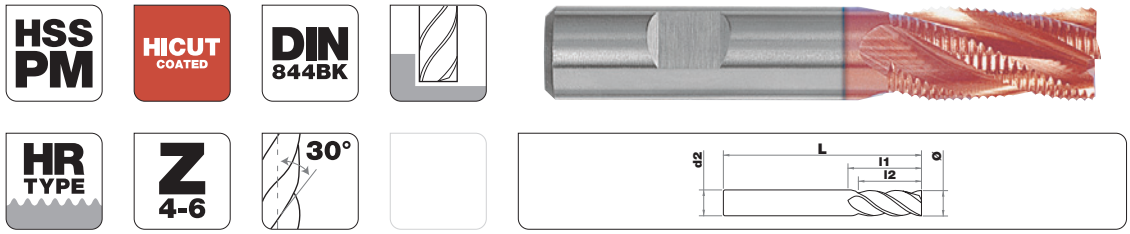
FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

8036351	EAN	Ø	d2	L	l2	Z	QTY	PCB
80363510600	3221910633806	6	6	57	13	4	1	1
80363510800	3221910633813	8	10	69	16	4	1	1
80363511000	3221910633820	10	10	72	22	4	1	1
80363511200	3221910633837	12	12	83	26	4	1	1
80363511400	3221910633844	14	12	83	26	4	1	1
80363511600	3221910633851	16	16	92	32	4	1	1
80363511800	3221910633868	18	16	92	32	4	1	1
80363512000	3221910633875	20	20	104	38	4	1	1
80363512200	3221910633882	22	20	104	38	4	1	1
80363512500	3221910633899	25	25	121	45	4	1	1
80363513000	3221910633905	30	25	121	45	6	1	1
80363513200	3221910633912	32	32	133	53	6	1	1

HSS PM (ASP) HIGHCUT, END MILLS. Z4-6, ROUGHING.

FRESA PARA DESBASTE HSS PM (ASP) HIGHCUT, Z4-6, NORMAL.

FRESA PER SGROSSATURA HSS PM HIGHCUT Z4-6 NORMALE.



The ASP toughness, universal application, life span.

Tenacidad del acero sinterizado, polivalencia, duración de vida.

Resistenza dell'acciaio sint., polivalente, lunga durata, affidabilità.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

ARCo ARNi Ni / Co based special alloys
Aleaciones refractarias Co / Ni
Leghe refrattarie Co / Ni

8036371	EAN	Ø	d2	L	l2	Z	QTY	PCB
80363710600	3221910634087	6	6	57	13	4	1	1
80363710700	3221910634094	7	10	66	16	4	1	1
80363710800	3221910634100	8	10	69	19	4	1	1
80363710900	3221910634117	9	10	69	19	4	1	1
80363711000	3221910634124	10	10	72	22	4	1	1
80363711100	3221910634131	11	12	79	22	4	1	1
80363711200	3221910634148	12	12	83	26	4	1	1
80363711400	3221910634155	14	12	83	26	4	1	1
80363711600	3221910634162	16	16	92	32	4	1	1
80363711800	3221910634179	18	16	92	32	4	1	1
80363712000	3221910634186	20	20	104	38	4	1	1
80363712200	3221910634193	22	20	104	38	4	1	1

8036371	EAN	Ø	d2	L	l2	Z	QTY	PCB
80363712500	3221910634209	25	25	121	45	4	1	1
80363713000	3221910634216	30	25	121	45	6	1	1
80363713200	3221910634223	32	32	133	53	6	1	1

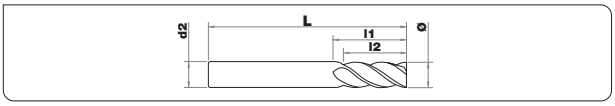
#05

HSSPM [ASP] END MILLS. Z4-6 LONG SERIES ROUGHING.

FRESA PARA DESBASTE HSSPM (ASP) (HIGHCUT) Z4-6 SERIE LARGA.

FRESA PER SGROSSATURA HSS PM HIGHCUT Z4-6 LUNGA.

HSS PM | HICUT COATED | DIN 844BL | HR TYPE | Z 4-6 | 30°



The ASP toughness, universal application, life span, profitability.

Tenacidad del acero sinterizado, polivalencia, duración, rentabilidad.

Resistenza dell'acciaio sint., polivalente, lunga durata, affidabilità.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

ARCo ARNi Ni / Co based special alloys
Aleaciones refractarias Co / Ni
Leghe refrattarie Co / Ni

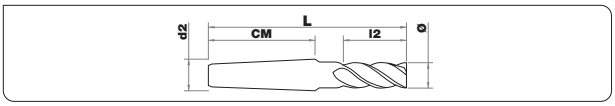
8036411	EAN	Ø	d2	L	l2	Z	QTY	PCB
80364110800	3221910634551	8	10	88	38	4	1	1
80364111000	3221910634568	10	10	95	45	4	1	1
80364111200	3221910634575	12	12	110	53	4	1	1
80364111400	3221910634582	14	12	110	53	4	1	1
80364111600	3221910634599	16	16	123	63	4	1	1
80364111800	3221910634605	18	16	123	63	4	1	1
80364112000	3221910634612	20	20	141	75	4	1	1
80364112500	3221910634629	25	25	166	90	4	1	1
80364113000	3221910634636	30	25	166	90	6	1	1
80364113200	3221910634643	32	32	186	106	6	1	1

HSSE8 END MILLS Z2 MORSE TAPER SHANK SLOTTING.

FRESA PARA RANURAR HSSE8 Z2 MANGO CÓNICO.

FRESA PER SCANALATURA HSS-E8 Z2, ATTACCO CONO MORSE.

HSS E8 | BRIGHT UNCOATED | DIN 845BK | Z2 | 30° | e8



The HSSE8 Flexibility/life span, universal application.

Flexibilidad, duración de vida y uso polivalente.

Compromesso tra flessibilità/durata del HSS-E8, uso polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

IJ Cast iron
Fundiciones
Ghisa

8034651	EAN	Ø	L	l2	CM	QTY	PCB
803465121200	3221910630577	12	111	26	CM2	1	1
803465121400	3221910630584	14	111	26	CM2	1	1
803465121500	3221910630591	15	111	26	CM2	1	1
803465121600	3221910630607	16	117	32	CM2	1	1
803465121800	3221910630614	18	117	32	CM2	1	1
803465122000	3221910630621	20	123	38	CM2	1	1
803465122200	3221910630638	22	123	38	CM2	1	1
803465132400	3221910630645	24	147	45	CM3	1	1

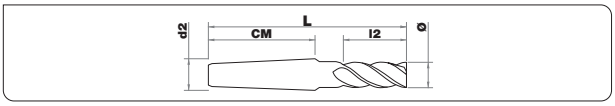
8034651	EAN	Ø	L	l2	CM	QTY	PCB
803465132500	3221910630652	25	147	45	CM3	1	1
803465132600	3221910630669	26	147	45	CM3	1	1
803465132800	3221910630676	28	147	45	CM3	1	1
803465133000	3221910630683	30	147	45	CM3	1	1
803465133200	3221910630690	32	178	53	CM3	1	1
803465143600	3221910630706	36	178	53	CM4	1	1
803465144000	3221910630713	40	188	63	CM4	1	1
803465145000	3221910630720	50	200	75	CM4	1	1

HSSE8 END MILLS Z4-6 MORSE TAPER SHANK FINISHING.

FRESA DE ACABADO HSSE8 Z4-6 MANGO CÓNICO.

FRESA PER FINITURA HSS-E8, Z4-6, ATTACCO CONO MORSE.

HSS E8 | BRIGHT UNCOATED | DIN 845BK | Z 4-6 | 40°



The HSSE8 Flexibility/life span, universal application.

Flexibilidad, duración de vida y uso polivalente.

Compromesso tra flessibilità/durata del HSS-E8, uso polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

IJ Cast iron
Fundiciones
Ghisa

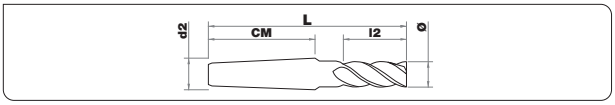
8030421	EAN	Ø	L	l2	Z	CM	QTY	PCB
803042121200	3221910579272	12	111	26	4	CM2	1	1
803042121400	3221910579289	14	111	26	4	CM2	1	1
803042121600	3221910579296	16	117	32	4	CM2	1	1
803042121800	3221910579302	18	117	32	4	CM2	1	1
803042122000	3221910579319	20	123	38	4	CM2	1	1
803042122200	3221910579326	22	123	38	4	CM2	1	1
803042132500	3221910579364	25	147	45	6	CM3	1	1
803042132800	3221910579388	28	147	45	6	CM3	1	1
803042133000	3221910579395	30	147	45	6	CM3	1	1
803042143200	3221910579425	32	178	53	6	CM3	1	1
803042143600	3221910579432	36	178	53	6	CM4	1	1
803042144000	3221910579449	40	188	63	6	CM4	1	1
803042145000	3221910579456	50	200	75	6	CM4	1	1

HSSE8 END MILLS Z4-6 LONG SERIES MORSE TAPER SHANK FINISHING.

FRESA DE ACABADO HSSE8 Z4-6 SERIE LARGA. MANGO CÓNICO.

FRESA PER FINITURA HSS-E8, Z4-6, ATTACCO CONO MORSE, LUNGA.

HSS E8 | BRIGHT UNCOATED | DIN 845BL | Z 4-6 | 40°



The HSSE8 Flexibility/life span, universal application.

Flexibilidad, duración de vida y uso polivalente.

Compromesso tra flessibilità/durata del HSS-E8, uso polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

IJ Cast iron
Fundiciones
Ghisa

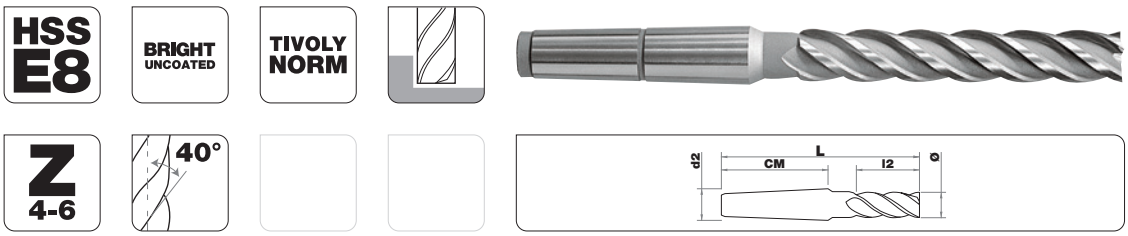
8030451	EAN	Ø	L	l2	Z	CM	QTY	PCB
803045121200	3221910580315	12	138	53	4	CM2	1	1
803045121400	3221910580322	14	138	53	4	CM2	1	1
803045121600	3221910580339	16	148	63	4	CM2	1	1
803045121800	3221910580346	18	148	63	4	CM2	1	1
803045122000	3221910580353	20	160	75	4	CM2	1	1
803045132000	3221910580377	20	177	75	4	CM3	1	1
803045122200	3221910580360	22	160	75	4	CM2	1	1

8030451	EAN	Ø	L	l2	Z	CM	QTY	PCB
803045132200	3221910580384	22	177	75	4	CM3	1	1
803045132500	3221910580391	25	192	90	6	CM3	1	1
803045132800	3221910580407	28	192	90	6	CM3	1	1
803045143000	3221910580438	30	215	90	6	CM4	1	1
803045133200	3221910580421	32	208	106	6	CM3	1	1
803045143200	3221910580445	32	231	106	6	CM4	1	1
803045143600	3221910580452	36	231	106	6	CM4	1	1
803045144000	3221910580469	40	250	125	6	CM4	1	1
803045145000	3221910580476	50	275	150	6	CM4	1	1

HSSE8 END MILLS Z4-6 EXTRA LONG SERIES MORSE TAPER SHANK FINISHING.

FRESA DE ACABADO HSSE8 Z4-6 SERIE EXTRA-LARGA. MANGO CÓNICO.

FRESA PER FINITURA HSS-E8, Z4-6, ATTACCO CONO MORSE, EXTRA-LUNGA.



The HSSE8 Flexibility / life span, universal application.

Flexibilidad, duración de vida y uso polivalente.

Compromesso tra flessibilità/durata del HSS-E8, uso polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

IJ Cast iron
Fundiciones
Ghisa

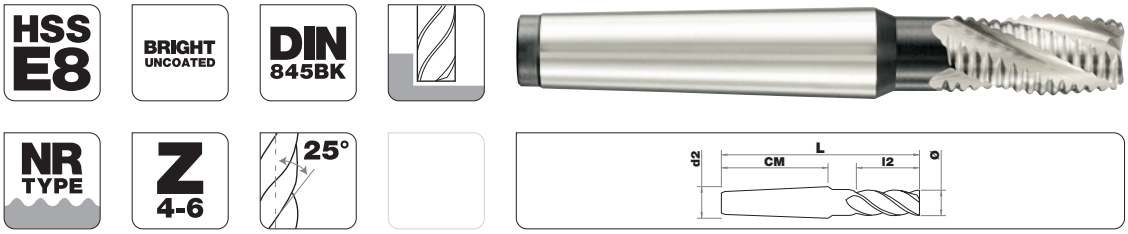
8030461	EAN	Ø	L	l2	Z	CM	QTY	PCB
803046121600	3221910580728	16	180	95	4	CM2	1	1
803046121800	3221910580735	18	185	100	4	CM2	1	1
803046132000	3221910580742	20	212	110	4	CM3	1	1
803046132200	3221910580759	22	212	110	4	CM3	1	1
803046132500	3221910580766	25	227	125	6	CM3	1	1
803046143000	3221910580780	30	265	140	6	CM4	1	1
803046143200	3221910580797	32	285	160	6	CM4	1	1
803046143600	3221910580803	36	285	160	6	CM4	1	1
803046144000	3221910580810	40	305	180	6	CM4	1	1
803046145000	3221910580834	50	325	200	6	CM4	1	1

HSSE8 END MILLS Z4-6 MORSE TAPER SHANK ROUGHING.

FRESA PARA DESBASTAR HSSE8 Z4-6. MANGO CÓNICO.

FRESA PER SGROSSATURA HSS-E8, Z4-6, ATTACCO CONO MORSE.

#05



The HSSE8 Flexibility/life span, universal application.

Flexibilidad, duración de vida y uso polivalente.

Compromesso tra flessibilità/durata del HSS-E8, uso polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

IJ Cast iron
Fundiciones
Ghisa

NO Copper alloys
Aleaciones de cobre
Leghe di rame

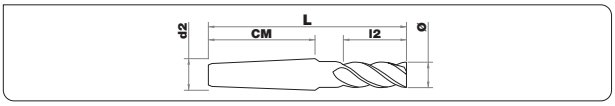
8036801	EAN	Ø	L	I2	Z	CM	QTY	PCB
803680121200	3221910824570	12	111	26	4	CM2	1	1
803680121400	3221910824587	14	111	26	4	CM2	1	1
803680121600	3221910824594	16	117	32	4	CM2	1	1
803680121800	3221910824600	18	117	32	4	CM2	1	1
803680122000	3221910824617	20	123	38	4	CM2	1	1
803680132200	3221910824624	22	123	38	4	CM3	1	1
803680132500	3221910824631	25	147	45	4	CM3	1	1
803680132800	3221910824648	28	147	45	6	CM3	1	1
803680133000	3221910824655	30	147	45	6	CM3	1	1
803680143200	3221910824662	32	178	53	6	CM4	1	1
803680143600	3221910824679	36	178	53	6	CM4	1	1
803680144000	3221910824686	40	188	53	6	CM4	1	1
803680145000	3221910824693	50	200	75	6	CM4	1	1

HSSE8 END MILLS Z4-6 LONG SERIES MORSE TAPER SHANK ROUGHING.

FRESA PARA DESBASTAR HSSE8 Z4-6 SERIE LARGA. MANGO CÓNICO.

FRESA PER SGROSSATURA HSS-E8, Z4-6, ATTACCO CONO MORSE, LUNGA.

HSS E8 | BRIGHT UNCOATED | DIN 845BL | NR TYPE | Z 4-6 | 25°



The HSSE8 Flexibility/life span, universal application.

Flexibilidad, duración de vida y uso polivalente.

Compromesso tra flessibilità/durata del HSS-E8, uso polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

IJ Cast iron
Fundiciones
Ghisa

NO Copper alloys
Aleaciones de cobre
Leghe di rame

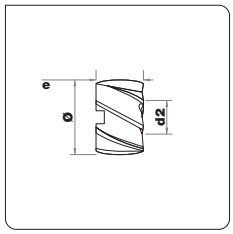
8036811	EAN	Ø	d2	L	Z	CM	QTY	PCB
803681121600	3221910824709	16	148	63	4	CM2	1	1
803681121800	3221910824716	18	148	63	4	CM2	1	1
803681132000	3221910824723	20	160	75	4	CM3	1	1
803681132200	3221910824730	22	177	75	4	CM3	1	1
803681132500	3221910824747	25	192	90	4	CM3	1	1
803681132800	3221910824754	28	192	90	6	CM3	1	1
803681143000	3221910824761	30	215	90	6	CM4	1	1
803681143200	3221910824778	32	231	106	6	CM4	1	1
803681143600	3221910824785	36	231	106	6	CM4	1	1
803681144000	3221910824792	40	250	125	6	CM4	1	1
803681145000	3221910824808	50	275	150	6	CM4	1	1

HSSE8 SHELL END MILLS Z7-10 TENON DRIVE.

FRESA CON AGUJERO HSSE8 Z7-10. CON LENGÜETA DE ARRASTRE.

FRESA A MANICOTTO HSS-E8, Z7-10, ATTACCO CON TENONE.

HSS E8 | BRIGHT UNCOATED | DIN 1880 | Z 7-10 | 30°



The HSSE8 Flexibility/life span, universal application.

Flexibilidad, duración de vida y uso polivalente.

Compromesso tra flessibilità/durata del HSS-E8, uso polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

IJ Cast iron
Fundiciones
Ghisa

8030661	EAN	Ø	d2	d3	Z	e	QTY	PCB
8030661040	3221910583309	40	16	23	7	32	1	1
8030661050	3221910583316	50	22	30	8	36	1	1
8030661063	3221910583323	63	27	38	8	40	1	1
8030661080	3221910583330	80	27	38	10	45	1	1

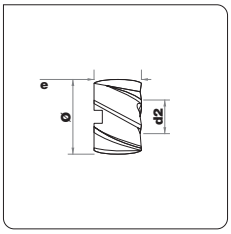
HSSE5 SIDE AND FACE MILLING CUTTERS Z16-22 STAGG. TEETH TENON DRIVE.

FRESA 3 CORTES HSSE5 Z16-22 PARA CHAVETEROS, DENTADO ALTERNO.

FRESA A 3 TAGLI HSS-E5, Z16-22, CON CHIAVETTA, DENTI ALTERNATI.

#05

HSS E5 | BRIGHT UNCOATED | DIN 885A | Z 16-22



The HSSE5 Flexibility/life span, universal application.

Flexibilidad, duración de vida y uso polivalente.

Compromesso tra flessibilità/durata del HSS-E5, uso polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

IJ Cast iron
Fundiciones
Ghisa

8030761	EAN	Ø	d2	d3	Z	e	QTY	PCB
803076106303022	3221910586522	63	22	34	16	3	1	1
803076106303522	3221910586546	63	22	34	16	3,5	1	1
803076106304022	3221910586577	63	22	34	16	4	1	1
803076106304522	3221910586591	63	22	34	16	4,5	1	1
803076106305022	3221910586614	63	22	34	16	5	1	1
803076106306022	3221910586638	63	22	34	16	6	1	1
803076106308022	3221910586652	63	22	34	16	8	1	1
803076106310022	3221910586676	63	22	34	16	10	1	1
803076106312022	3221910586690	63	22	34	16	12	1	1
803076108003027	3221910586713	80	27	41	20	3	1	1
803076108003527	3221910586720	80	27	41	20	3,5	1	1
803076108004027	3221910586737	80	27	41	20	4	1	1
803076108004527	3221910586744	80	27	41	20	4,5	1	1
803076108005027	3221910586751	80	27	41	20	5	1	1
803076108006027	3221910586768	80	27	41	20	6	1	1
803076108008027	3221910586775	80	27	41	16	8	1	1
803076108010027	3221910586782	80	27	41	16	10	1	1
803076108012027	3221910586799	80	27	41	16	12	1	1
803076108014027	3221910586805	80	27	41	14	14	1	1
803076108016027	3221910586812	80	27	41	14	16	1	1
803076110003027	3221910586829	100	27	47	20	3	1	1
803076110003032	3221910586836	100	32	47	20	3	1	1
803076110003527	3221910586843	100	27	47	20	3,5	1	1
803076110003532	3221910586850	100	32	47	20	3,5	1	1
803076110004027	3221910586867	100	27	47	20	4	1	1
803076110004032	3221910586874	100	32	47	20	4	1	1
803076110004527	3221910586881	100	27	47	20	4,5	1	1
803076110004532	3221910586898	100	32	47	20	4,5	1	1
803076110005027	3221910586904	100	27	47	20	5	1	1
803076110005032	3221910586911	100	32	47	20	5	1	1
803076110006027	3221910586928	100	27	47	20	6	1	1
803076110006032	3221910586935	100	32	47	20	6	1	1
803076110008027	3221910586959	100	27	47	18	8	1	1
803076110008032	3221910586966	100	32	47	18	8	1	1
803076110010027	3221910586973	100	27	47	18	10	1	1
803076110010032	3221910586980	100	32	47	18	10	1	1
803076110012027	3221910586997	100	27	47	18	12	1	1
803076110012032	3221910587000	100	32	47	18	12	1	1
803076110014027	3221910587024	100	27	47	16	14	1	1
803076110014032	3221910587031	100	32	47	16	14	1	1
803076110016027	3221910587048	100	27	47	16	16	1	1
803076110016032	3221910587055	100	32	47	16	16	1	1
803076110018027	3221910587062	100	27	47	16	18	1	1
803076110018032	3221910587079	100	32	47	16	18	1	1
803076110020027	3221910587086	100	27	47	16	20	1	1
803076110020032	3221910587093	100	32	47	16	20	1	1
803076112504032	3221910587109	125	32	47	22	4	1	1
803076112505032	3221910587116	125	32	47	22	5	1	1
803076112506032	3221910587123	125	32	47	22	6	1	1
803076112508032	3221910587130	125	32	47	20	8	1	1
803076112510032	3221910587147	125	32	47	20	10	1	1
803076112512032	3221910587154	125	32	47	20	12	1	1
803076112514032	3221910587161	125	32	47	20	14	1	1
803076112516032	3221910587178	125	32	47	18	16	1	1
803076112518032	3221910587185	125	32	47	18	18	1	1
803076112520032	3221910587192	125	32	47	18	20	1	1

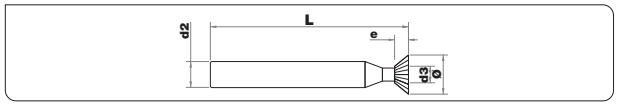
HSSE5 DOVETAIL CUTTERS 45/60° INVERTED CONE.

FRESA DE ÁNGULO HSSE5 45°/60° CONO INVERSO.

FRESA AD ANGOLO HSS-E5 45°/60° CONO ROVESCIATO.

HSS E5 | BRIGHT UNCOATED | DIN 1833A

45° 60°



The HSSE5 Flexibility/life span, universal application.

Flexibilidad, duración de vida y uso polivalente.

Compromesso tra flessibilità/durata del HSS-E5, uso polivalente.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

8031051	EAN	Ø	d2	d3	L	A°	e	QTY	PCB
80310511645	3221910592196	16	12	8	60	45°	4	1	1
80310511660	3221910592202	16	12	8,7	60	60°	6,3	1	1
80310512045	3221910592219	20	12	10	63	45°	5	1	1
80310512060	3221910592226	20	12	10,7	63	60°	8	1	1
80310512545	3221910592233	25	12	12,4	67	45°	6,3	1	1
80310512560	3221910592240	25	12	13,45	67	60°	10	1	1
80310513245	3221910592257	32	16	16	71	45°	8	1	1
80310513260	3221910592264	32	16	17,5	71	60°	12,5	1	1

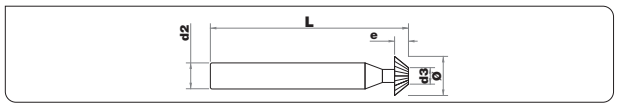
HSSE5 DOVETAIL CUTTERS 45/60° DIRECT CONE.

FRESAS DE ÁNGULO HSSE5 45°/60° CONO NORMAL.

FRESA AD ANGOLO HSS-E5, 45°/60°.

HSS E5 | BRIGHT UNCOATED | DIN 1833B

45° 60°



The HSSE5 Flexibility/life span, universal application.

Flexibilidad, duración de vida y uso polivalente.

Compromesso tra flessibilità/durata del HSS-E5, uso polivalente.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

8031061	EAN	Ø	d2	d3	L	A°	e	QTY	PCB
80310611645	3221910592394	16	12	8	60	45°	4	1	1
80310611660	3221910592400	16	12	8,7	60	60°	6,3	1	1
80310612045	3221910592417	20	12	10	63	45°	5	1	1
80310612060	3221910592424	20	12	10,7	63	60°	8	1	1
80310612545	3221910592431	25	12	12,4	67	45°	6,3	1	1
80310612560	3221910592448	25	12	13,2	67	60°	10	1	1

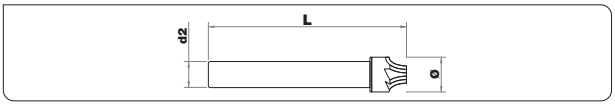
HSSE5 PROFILE CUTTERS CORNER ROUNDING RELIEVED.

FRESA DE FORMA HSSE5 CÓNCAVA 1/4.

FRESA A PROFILO HSS-E5, CONCAVA, 1/4 DI CERCHIO.

HSS E5 | BRIGHT UNCOATED | DIN 6518A

Z 3-5



The HSSE5 Flexibility/life span, universal application.

Flexibilidad, duración de vida y uso polivalente.

Compromesso tra flessibilità/durata del HSS-E5, uso polivalente.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

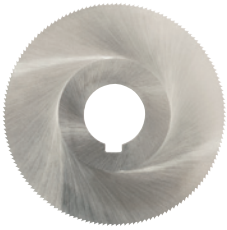
8031161	EAN	Ø	d2	R	Z	QTY	PCB
80311610100	3221910597023	8	6	1	3	1	1
80311610150	3221910597030	9	5	1,5	3	1	1
80311610200	3221910597047	10	5	2	3	1	1
80311610250	3221910597054	12	8	2,5	3	1	1
80311610300	3221910597061	13	8	3	3	1	1
80311610350	3221910597078	14	8	3,5	3	1	1
80311610400	3221910597085	16	8	4	3	1	1
80311610450	3221910597092	17	12	4,5	3	1	1
80311610500	3221910597108	18	12	5	3	1	1
80311610600	3221910597115	20	12	6	3	1	1
80311610700	3221910597122	23	12	7	5	1	1
80311610800	3221910597139	26	12	8	5	1	1
80311610900	3221910597146	28	12	9	5	1	1
80311611000	3221910597153	31	12	10	5	1	1
80311611100	3221910597160	33	12	11	5	1	1
80311611200	3221910597177	36	16	12	5	1	1
80311611300	3221910597184	39	16	13	5	1	1
80311611400	3221910597191	41	16	14	5	1	1
80311611500	3221910597207	45	20	15	5	1	1
80311611600	3221910597214	47	20	16	5	1	1

HSS SLITTING SAWS FINE TEETH.

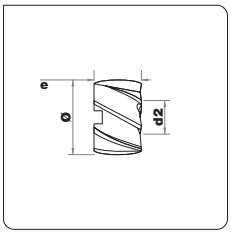
FRESA DE SIERRA HSS DENTADO FINO.

SEGA CIRCOLARE HSS, DENTI DRITTI FINI.

HSS | BRIGHT UNCOATED | DIN 1837



Z 40-200



The HSSE5 Flexibility/life span, universal application.

Flexibilidad, duración de vida y uso polivalente.

Compromesso tra flessibilità/durata del HSS, uso polivalente.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

8031511	EAN	Ø	d2	Z	e	QTY	PCB
8031511020021	3221910607012	20	5	80	0,2	1	1
8031511020031	3221910607029	20	5	64	0,3	1	1
8031511020041	3221910607036	20	5	64	0,4	1	1
8031511020051	3221910607043	20	5	48	0,5	1	1
8031511020061	3221910607050	20	5	48	0,6	1	1
8031511020081	3221910607067	20	5	48	0,8	1	1
8031511020101	3221910607074	20	5	40	1	1	1
8031511020121	3221910607081	20	5	40	1,2	1	1
8031511020161	3221910607098	20	5	80	1,6	1	1

#05

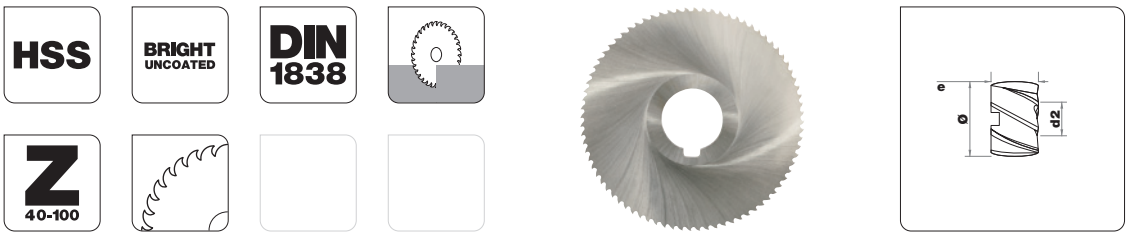
8031511	EAN	Ø	d2	Z	e	QTY	PCB
8031511025021	3221910607104	25	8	80	0,2	1	1
8031511025031	3221910607111	25	8	80	0,3	1	1
8031511025041	3221910607128	25	8	64	0,4	1	1
8031511025051	3221910607135	25	8	64	0,5	1	1
8031511025061	3221910607142	25	8	64	0,6	1	1
8031511025081	3221910607159	25	8	48	0,8	1	1
8031511025101	3221910607166	25	8	48	1	1	1
8031511025121	3221910607173	25	8	48	1,2	1	1
8031511025161	3221910607180	25	8	40	1,6	1	1
8031511032021	3221910607197	32	8	100	0,2	1	1
8031511032031	3221910607203	32	8	80	0,3	1	1
8031511032041	3221910607210	32	8	80	0,4	1	1
8031511032051	3221910607227	32	8	80	0,5	1	1
8031511032061	3221910607234	32	8	64	0,6	1	1
8031511032081	3221910607241	32	8	64	0,8	1	1
8031511032101	3221910607258	32	8	64	1	1	1
8031511032121	3221910607265	32	8	48	1,2	1	1
8031511032161	3221910607272	32	8	48	1,6	1	1
8031511040021	3221910607289	40	10	128	0,2	1	1
8031511040031	3221910607296	40	10	100	0,3	1	1
8031511040041	3221910607302	40	10	100	0,4	1	1
8031511040051	3221910607319	40	10	80	0,5	1	1
8031511040061	3221910607326	40	10	80	0,6	1	1
8031511040081	3221910607333	40	10	80	0,8	1	1
8031511040101	3221910607340	40	10	64	1	1	1
8031511040121	3221910607357	40	10	64	1,2	1	1
8031511040161	3221910607364	40	10	64	1,6	1	1
8031511050051	3221910607371	50	13	100	0,5	1	1
8031511050061	3221910607388	50	13	100	0,6	1	1
8031511050081	3221910607395	50	13	80	0,8	1	1
8031511050101	3221910607401	50	13	80	1	1	1
8031511050121	3221910607418	50	13	80	1,2	1	1
8031511050161	3221910607425	50	13	64	1,6	1	1
8031511050201	3221910607432	50	13	64	2	1	1
8031511050251	3221910607449	50	13	64	2,5	1	1
8031511050301	3221910607456	50	13	48	3	1	1
8031511063051	3221910607463	63	16	128	0,5	1	1
8031511063061	3221910607470	63	16	100	0,6	1	1
8031511063081	3221910607487	63	16	100	0,8	1	1
8031511063101	3221910607494	63	16	100	1	1	1
8031511063121	3221910607500	63	16	80	1,2	1	1
8031511063161	3221910607517	63	16	80	1,6	1	1
8031511063201	3221910607524	63	16	80	2	1	1
8031511063251	3221910607531	63	16	64	2,5	1	1
8031511063301	3221910607548	63	16	64	3	1	1
8031511080051	3221910607555	80	27	128	0,5	1	1
8031511080061	3221910607562	80	27	128	0,6	1	1
8031511080081	3221910607579	80	27	128	0,8	1	1
8031511080101	3221910607586	80	27	100	1	1	1
8031511080121	3221910607593	80	27	100	1,2	1	1
8031511080161	3221910607609	80	27	100	1,6	1	1
8031511080201	3221910607616	80	27	80	2	1	1
8031511080251	3221910607623	80	27	80	2,5	1	1
8031511080301	3221910607630	80	27	80	3	1	1
8031511080401	3221910607647	80	27	64	4	1	1
8031511080501	3221910607654	80	27	64	5	1	1
8031511100051	3221910607661	100	27	160	0,5	1	1
8031511100061	3221910607678	100	27	160	0,6	1	1
8031511100081	3221910607685	100	27	128	0,8	1	1
8031511100101	3221910607692	100	27	128	1	1	1
8031511100121	3221910607708	100	27	128	1,2	1	1
8031511100161	3221910607715	100	27	100	1,6	1	1
8031511100201	3221910607722	100	27	100	2	1	1
8031511100251	3221910607739	100	27	100	2,5	1	1
8031511100301	3221910607746	100	27	80	3	1	1
8031511100401	3221910607753	100	27	80	4	1	1
8031511100501	3221910607760	100	27	80	5	1	1
8031511125101	3221910607777	125	27	160	1	1	1
8031511125121	3221910607784	125	27	128	1,2	1	1
8031511125161	3221910607791	125	27	128	1,6	1	1
8031511125201	3221910607807	125	27	128	2	1	1
8031511125251	3221910607814	125	27	100	2,5	1	1
8031511125301	3221910607821	125	27	100	3	1	1
8031511125401	3221910607838	125	27	100	4	1	1
8031511125501	3221910607845	125	27	80	5	1	1
8031511160101	3221910607852	160	32	160	1	1	1
8031511160161	3221910607869	160	32	128	1,6	1	1
8031511160201	3221910607876	160	32	128	2	1	1
8031511160251	3221910607883	160	32	128	2,5	1	1
8031511160301	3221910607890	160	32	100	3	1	1
8031511160401	3221910607906	160	32	100	4	1	1

8031511	EAN	Ø	d2	Z	e	QTY	PCB
8031511160501	3221910607913	160	32	100	5	1	1
8031511200101	3221910607920	200	32	200	1	1	1
8031511200161	3221910607937	200	32	160	1,6	1	1
8031511200201	3221910607944	200	32	160	2	1	1
8031511200251	3221910607951	200	32	160	2,5	1	1
8031511200301	3221910607968	200	32	128	3	1	1
8031511200401	3221910607975	200	32	128	4	1	1
8031511200501	3221910607982	200	32	128	5	1	1
8031511250201	3221910607999	250	32	200	2	1	1
8031511250251	3221910608002	250	32	160	2,5	1	1
8031511250301	3221910608019	250	32	160	3	1	1
8031511250401	3221910608026	250	32	160	4	1	1
8031511250501	3221910608033	250	32	128	5	1	1

HSS SLITTING SAWS MEDIUM TEETH.

FRESA DE SIERRA HSS DENTADO GRUESO.

SEGA CIRCOLARE HSS, DENTI DRITTI GROSSI.



The HSSE5 Flexibility/life span, universal application.

Flexibilidad, duración de vida y uso polivalente.

Compromesso tra flessibilità/durata del HSS, uso polivalente.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

8031521	EAN	Ø	d2	Z	e	QTY	PCB
8031521050051	3221910609382	50	13	48	0,5	1	1
8031521050061	3221910609399	50	13	48	0,6	1	1
8031521050081	3221910609405	50	13	40	0,8	1	1
8031521050101	3221910609412	50	13	40	1	1	1
8031521050121	3221910609429	50	13	40	1,2	1	1
8031521050161	3221910609436	50	13	32	1,6	1	1
8031521050201	3221910609443	50	13	32	2	1	1
8031521050251	3221910609450	50	13	32	2,5	1	1
8031521050301	3221910609467	50	13	24	3	1	1
8031521063051	3221910609474	63	16	64	0,5	1	1
8031521063061	3221910609481	63	16	48	0,6	1	1
8031521063081	3221910609498	63	16	48	0,8	1	1
8031521063101	3221910609504	63	16	48	1	1	1
8031521063121	3221910609511	63	16	40	1,2	1	1
8031521063161	3221910609528	63	16	40	1,6	1	1
8031521063201	3221910609535	63	16	40	2	1	1
8031521063251	3221910609542	63	16	32	2,5	1	1
8031521063301	3221910609559	63	16	32	3	1	1
8031521080051	3221910609566	80	27	64	0,5	1	1
8031521080061	3221910609573	80	27	64	0,6	1	1
8031521080081	3221910609580	80	27	64	0,8	1	1
8031521080101	3221910609597	80	27	48	1	1	1
8031521080121	3221910609603	80	27	48	1,2	1	1
8031521080161	3221910609610	80	27	48	1,6	1	1
8031521080201	3221910609627	80	27	40	2	1	1
8031521080251	3221910609634	80	27	40	2,5	1	1
8031521080301	3221910609641	80	27	40	3	1	1
8031521080401	3221910609658	80	27	32	4	1	1
8031521080501	3221910609665	80	27	32	5	1	1
8031521100051	3221910609672	100	27	80	0,5	1	1
8031521100061	3221910609689	100	27	80	0,6	1	1
8031521100081	3221910609696	100	27	64	0,8	1	1
8031521100101	3221910609702	100	27	64	1	1	1
8031521100121	3221910609719	100	27	64	1,2	1	1
8031521100161	3221910609726	100	27	48	1,6	1	1
8031521100201	3221910609733	100	27	48	2	1	1
8031521100251	3221910609740	100	27	48	2,5	1	1
8031521100301	3221910609757	100	27	40	3	1	1
8031521100401	3221910609764	100	27	40	4	1	1
8031521100501	3221910609771	100	27	40	5	1	1
8031521125101	3221910609788	125	27	80	1	1	1

#05

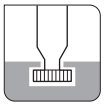
8031521	EAN	Ø	d2	Z	e	QTY	PCB
8031521125121	3221910609795	125	27	64	1,2	1	1
8031521125161	3221910609801	125	27	64	1,6	1	1
8031521125201	3221910609818	125	27	64	2	1	1
8031521125251	3221910609825	125	27	48	2,5	1	1
8031521125301	3221910609832	125	27	48	3	1	1
8031521125401	3221910609849	125	27	48	4	1	1
8031521125501	3221910609856	125	27	40	5	1	1
8031521160101	3221910609863	160	32	80	1	1	1
8031521160161	3221910609870	160	32	80	1,6	1	1
8031521160201	3221910609887	160	32	64	2	1	1
8031521160251	3221910609894	160	32	64	2,5	1	1
8031521160301	3221910609900	160	32	64	3	1	1
8031521160401	3221910609917	160	32	48	4	1	1
8031521160501	3221910609924	160	32	48	5	1	1
8031521200101	3221910609931	200	32	100	1	1	1
8031521200161	3221910609948	200	32	80	1,6	1	1
8031521200201	3221910609955	200	32	80	2	1	1
8031521200251	3221910609962	200	32	80	2,5	1	1
8031521200301	3221910609979	200	32	64	3	1	1
8031521200401	3221910609986	200	32	64	4	1	1
8031521200501	3221910609993	200	32	64	5	1	1
8031521250201	3221910610005	250	32	100	2	1	1
8031521250251	3221910610012	250	32	80	2,5	1	1
8031521250301	3221910610029	250	32	80	3	1	1
8031521250401	3221910610036	250	32	80	4	1	1
8031521250501	3221910610043	250	32	64	5	1	1

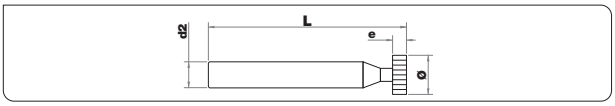
HSSE5 WOODRUFF CUTTERS.

FRESA WOODDRUFF HSSE5.

FRESA WOODRUFF HSS-E5.

HSS E5 | BRIGHT UNCOATED | DIN 850B





The HSSE5 Flexibility/life span, universal application.

Flexibilidad, duración de vida y uso polivalente.

Compromesso tra flessibilità/durata del HSS-E5, uso polivalente.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

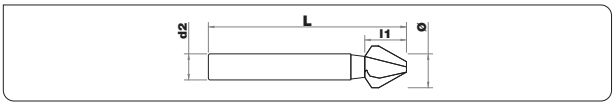
8031071	EAN	Ø	d2	L	e	QTY	PCB
8031071075015	3221910593278	7,5	6	50	1,5	1	1
8031071075020	3221910593285	7,5	6	50	2	1	1
8031071105020	3221910593292	10,5	12	50	2	1	1
8031071105025	3221910593308	10,5	12	50	2,5	1	1
8031071105030	3221910593315	10,5	12	50	3	1	1
8031071135020	3221910593322	13,5	12	56	2	1	1
8031071135025	3221910593339	13,5	12	56	2,5	1	1
8031071135030	3221910593346	13,5	12	56	3	1	1
8031071135040	3221910593353	13,5	12	56	4	1	1
8031071165025	3221910593360	16,5	12	56	2,5	1	1
8031071165030	3221910593377	16,5	12	56	3	1	1
8031071165040	3221910593384	16,5	12	56	4	1	1
8031071165050	3221910593391	16,5	12	56	5	1	1
8031071195030	3221910593407	19,5	12	56	3	1	1
8031071195040	3221910593414	19,5	12	56	4	1	1
8031071195050	3221910593421	19,5	12	56	5	1	1
8031071195060	3221910593438	19,5	12	56	6	1	1
8031071225040	3221910593445	22,5	12	56	4	1	1
8031071225050	3221910593452	22,5	12	56	5	1	1
8031071225060	3221910593469	22,5	12	56	6	1	1
8031071255050	3221910593476	25,5	12	63	5	1	1
8031071255060	3221910593483	25,5	12	63	6	1	1
8031071255070	3221910593490	25,5	12	63	7	1	1
8031071255080	3221910593506	25,5	12	63	8	1	1
8031071285050	3221910593513	28,5	12	63	5	1	1
8031071285060	3221910593520	28,5	12	63	6	1	1
8031071285070	3221910593537	28,5	12	63	7	1	1
8031071285080	3221910593544	28,5	12	63	8	1	1

8031071	EAN	Ø	d2	L	e	QTY	PCB
8031071325050	3221910593551	32,5	12	63	5	1	1
8031071325060	3221910593568	32,5	12	63	6	1	1
8031071325070	3221910593575	32,5	12	63	7	1	1
8031071325080	3221910593582	32,5	12	63	8	1	1
8031071355060	3221910593599	35,5	12	63	6	1	1
8031071355080	3221910593612	35,5	12	63	8	1	1
8031071385070	3221910593636	38,5	12	63	7	1	1
8031071385080	3221910593643	38,5	12	63	8	1	1
8031071385100	3221910593650	38,5	16	63	10	1	1
8031071455080	3221910593667	45,5	16	63	8	1	1
8031071455100	3221910593674	45,5	16	63	10	1	1

HSS COUNTERSINKERS 60°. | **AVELLANADOR HSS 60°.** | **FRESA PER SVASATURA HSS A 60°.**

HSS | BRIGHT UNCOATED | TIVOLY NORM | 60°

Z3



Universal application. For resistant steels.

Uso universal. Para aceros resistentes.

Uso polivalente per acciai ad alta resistenza e inossidabili.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

1033151	EAN	Ø	d2	L	QTY	PCB
10331510630	3221910875794	6,3	5	47	1	1
10331510830	3221910875800	8,3	6	52	1	1
10331511040	3221910875817	10,4	6	53	1	1
10331511240	3221910875824	12,4	8	60	1	1
10331511650	3221910875831	16,5	10	65	1	1
10331512050	3221910875848	20,5	10	69	1	1
10331512500	3221910875855	25	10	75	1	1

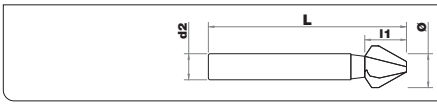
HSS-E5 COUNTERSINKERS 90°.

AVELLANADOR HSS-E5 90°.

FRESA PER SVASATURA HSS-E5 A 90° .

HSS E5 | BRIGHT UNCOATED | DIN 335C | 90°

Z3



Universal application. For stainless steels and resistant steels.

Uso universal. Para aceros inoxidables y resistentes.

Uso polivalente per acciai ad alta resistenza e inossidabili.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

1033161	EAN	Ø	L	QTY	PCB
10331610430	3221910627935	4	40	1	1
10331610530	3221910627959	4	40	1	1
10331610630	3221910627980	5	45	1	1
10331610800	3221910628017	6	50	1	1
10331610830	3221910628024	6	50	1	1
10331610940	3221910628031	6	50	1	1
10331611000	3221910628048	6	50	1	1
10331611040	3221910628055	6	50	1	1
10331611150	3221910628062	8	56	1	1
10331611240	3221910628079	8	56	1	1
10331611340	3221910628086	8	56	1	1
10331611500	3221910628093	10	60	1	1
10331611650	3221910628109	10	60	1	1
10331611900	3221910628116	10	63	1	1
10331612050	3221910628123	10	63	1	1
10331612300	3221910628130	10	57	1	1
10331612500	3221910628147	10	67	1	1
10331613100	3221910628161	12	71	1	1

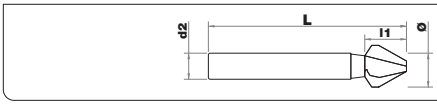
HSSE5 TIALN COUNTERSINKERS 90°.

AVELLANADOR HSSE5 TIALN 90°.

FRESA PER SVASATURA HSS-E5 A 90° .

HSS E5 | TiAlN COATED | DIN 335C | 90°

Z3



The HSSE8 Flexibility/life span, universal application.

Flexibilidad, duración de vida y uso polivalente.

Compromesso tra flessibilità/durata di HSS-E8, uso polivalente.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

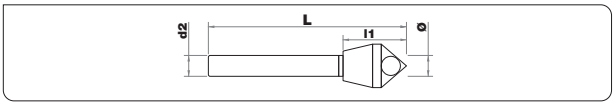
1036631	EAN	Ø	L	QTY	PCB
10366310630	3221910924300	5	45	1	1
10366310830		6	50	1	1
10366311040	3221910924317	6	50	1	1
10366311240	3221910924324	8	56	1	1
10366311650	3221910924331	10	60	1	1
10366312050	3221910924348	10	63	1	1
10366312500	3221910924355	10	67	1	1

HSSE DEBURRING TOOLS WITH HOLE 90°.

AVELLANADOR CON AGUJERO HSSE 90°.

FRESA PER SBAVATURA E FORATURA HSS-E A 90°.

HSS E5 | BRIGHT UNCOATED | TIVOLY NORM | 90°



Universal application. For stainless steels and resistant steels.

Uso universal. Para aceros inoxidables y resistentes.

Uso polivalente per acciai ad alta resistenza e inossidabili.

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

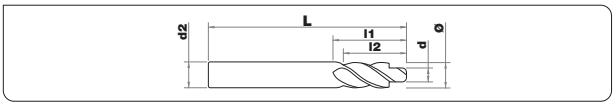
1036132	EAN	Ø	L	QTY	PCB
10361320205	3221910899448	2-5	45	1	1
10361320510	3221910222888	5-10	48	1	1
10361321015	3221910222895	10-15	65	1	1
10361321520	3221910222901	15-20	85	1	1

HSSE5 COUNTERBORES 180°.

AVELLANADOR HSSE5 180°.

FRESA PER ALLARGATURA HSS-E5 A 180°.

HSS E5 | BRIGHT UNCOATED | DIN 373 | 180°



Universal application. For stainless steels and resistant steels.

Uso universal. Para aceros inoxidables y resistentes.

Uso polivalente per acciai ad alta resistenza e inossidabili.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

1031031	EAN	Ø	d	d2	L	S	QTY	PCB
1031031042020	3221910590079	4,2	2	4,2	56	M2	1	1
1031031043022	3221910590093	4,3	2,2	4,3	56	M2	1	1
1031031050027	3221910590109	5	2,7	5	56	M2,5	1	1
1031031052025	3221910590116	5,2	2,5	5,2	56	M2,5	1	1
1031031052030	3221910590123	5,2	3	5,2	56	M2,5	1	1
1031031060032	3221910590130	6	3,2	6	71	M3	1	1
1031031062030	3221910590147	6,2	3	6,2	71	M3	1	1
1031031065037	3221910590154	6,5	3,7	6,5	71	M3	1	1
1031031072035	3221910590161	7,2	3,5	7,2	71	M3,5	1	1
1031031072040	3221910590178	7,2	4	7,2	71	M3,5	1	1
1031031080043	3221910590185	8	4,3	8	71	M4	1	1
1031031082040	3221910590192	8,2	4	8,2	71	M4	1	1
1031031082050	3221910590208	8,2	5	8,2	71	M4	1	1
1031031092045	3221910590215	9,2	4,5	9,2	71	M4	1	1
1031031092050	3221910590222	9,2	5	9,2	71	M4	1	1
1031031100053	3221910590246	10	5,3	10	80	M5	1	1
1031031102050	3221910590253	10,2	5	10,2	80	M5	1	1
1031031102060	3221910590260	10,2	6	10,2	80	M5	1	1
1031031110064	3221910590277	11	6,4	11	80	M6	1	1
1031031142070	3221910590307	14,2	7	12,5	80	M6	1	1

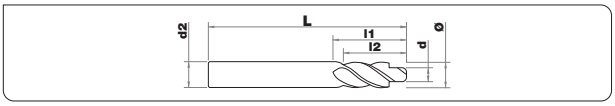
1031031	EAN	Ø	d	d2	L	S	QTY	PCB
1031031142080	3221910590314	14,2	8	12,5	80	M6	1	1
1031031150084	3221910590321	15	8,4	12,5	100	M8	1	1
1031031162080	3221910590338	16,2	8	12,5	100	M8	1	1
1031031162090	3221910590345	16,2	9	12,5	100	M8	1	1
1031031162100	3221910590352	16,2	10	12,5	100	M8	1	1
1031031180105	3221910590369	18	10,5	12,5	100	M10	1	1
1031031182090	3221910590376	18,2	9	12,5	100	M10	1	1
1031031182100	3221910590383	18,2	10	12,5	100	M10	1	1
1031031182120	3221910590390	18,2	12	12,5	100	M10	1	1
1031031200130	3221910590413	20	13	12,5	100	M12	1	1

HSSE5 COUNTERBORES 90°.

AVELLANADOR HSSE5 90°.

FRESA PER ALLARGATURA HSS-E5 A 90°.

HSS E5 | BRIGHT UNCOATED | DIN 1866 | 90°



Universal application. For stainless steels and resistant steels.

Uso universal. Para aceros inoxidables y resistentes.

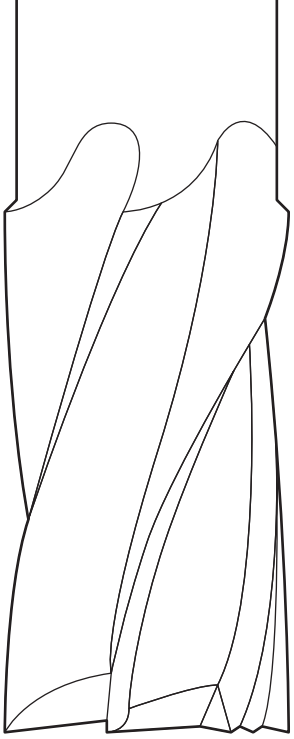
Uso polivalente per acciai ad alta resistenza e inossidabili.

A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

1031041	EAN	Ø	d	d2	L	S	QTY	PCB
1031041043022	3221910591267	4,3	2,2	4,3	56	M2	1	1
1031041046024	3221910591274	4,6	2,4	4,6	56	M2	1	1
1031041060032	3221910591304	6	3,2	6	71	M3	1	1
1031041065034	3221910591328	6,5	3,4	6,5	71	M4	1	1
1031041080043	3221910591359	8	4,3	8	71	M4	1	1
1031041086045	3221910591373	8,6	4,5	8,6	71	M5	1	1
1031041100053	3221910591380	10	5,3	10	80	M5	1	1
1031041104055	3221910591403	10,4	5,5	10,4	80	M6	1	1
1031041115064	3221910591410	11,5	6,4	11,5	80	M6	1	1
1031041124066	3221910591434	12,4	6,6	12,4	80	M6	1	1
1031041150084	3221910591458	15	8,4	12,5	100	M8	1	1
1031041190105	3221910591489	19	10,5	12,5	100	M10	1	1
1031041204110	3221910591502	20,4	11	12,5	100	M10	1	1



CARBIDE END MILLS 238 #05
FRESAS METAL DURO
FRESE CARBURE

HSS END MILLS 280 #05
FRESAS HSS
FRESE HSS

COUNTERSINK BITS 308 #05
AVELLANADORES
SVASATORI/LAMATURA

CARBIDE ROTARY BURRS 314 #05
FRESAS LIMA
FRESE LIMA

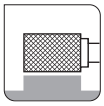
CARBIDE ROTARY BURRS. CYLINDRICAL.

FRESA LIMA CILÍNDRICA.

LIMA ROTATIVA IN MD, CILINDRICA.

#05

HM CARB | BRIGHT UNCOATED | TIVOLY NORM



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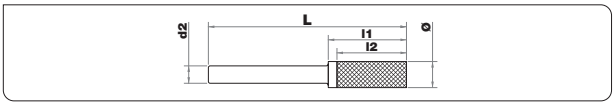


CDE
Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH
Stainless Steel
Aceros inoxidables
Acciai inossidabili

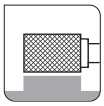
1031601	EAN	Ø	d2	L	l2	QTY	PCB
10316010400	3221910612870	4	6	50	14	2	2
10316010600	3221910612887	6	6	50	16	3	3
10316010800	3221910612894	8	6	65	20	4	4
10316011000	3221910612900	10	6	65	20	5	5
10316011200	3221910612917	12	6	70	25	6	6
10316011600	3221910612924	16	8	70	25	7	7
103160116006	3221910612931	16	6	70	25	8	8
103160120006	3221910612955	20	6	70	25	9	9

CARBIDE ROTARY BURRS. CYLINDRICAL.

FRESA LIMA CILÍNDRICA.

LIMA ROTATIVA IN MD, CILINDRICA.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM



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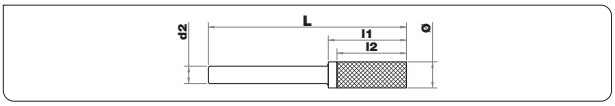


AB
Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

IJ
Cast iron
Fundiciones
Ghisa

NO
Copper alloys
Aleaciones de cobre
Leghe di rame

1031611	EAN	Ø	d2	L	l2	QTY	PCB
10316110400	3221910613181	4	6	50	14	10	10
10316110600	3221910613198	6	6	50	16	11	11
10316110800	3221910613204	8	6	65	20	12	12
10316111000	3221910613211	10	6	65	20	13	13
10316111200	3221910613228	12	6	70	25	14	14
10316111600	3221910613235	16	8	70	25	15	15
103161116006	3221910613242	16	6	70	25	16	16

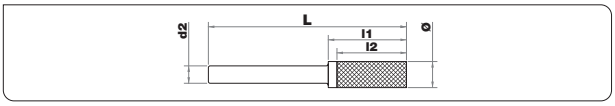
CARBIDE ROTARY BURRS. CYLINDRICAL END CUTTING.

FRESA LIMA MD CILÍNDRICA. CORTE AL CENTRO.

LIMA ROTATIVA IN MD, CILINDRICA, DOPPIO TAGLIENTE.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

C



CDE
Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH
Stainless Steel
Aceros inoxidables
Acciai inossidabili

1031621	EAN	Ø	d2	L	l2	QTY	PCB
10316210400	3221910613457	4	6	50	14	17	17
10316210600	3221910613464	6	6	50	16	18	18
10316210800	3221910613471	8	6	65	20	19	19
10316211000	3221910613488	10	6	65	20	20	20
10316211200	3221910613495	12	6	70	25	21	21
10316211600	3221910613518	16	8	70	25	22	22
103162116006	3221910613525	16	6	70	25	23	23

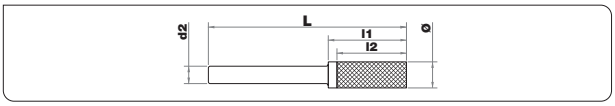
CARBIDE ROTARY BURRS. CYLINDRICAL END CUTTING.

FRESA LIMA MD CILÍNDRICA. CORTE AL CENTRO.

LIMA ROTATIVA IN MD, CILINDRICA, DOPPIO TAGLIENTE.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

D



AB
Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

IJ
Cast iron
Fundiciones
Ghisa

NO
Copper alloys
Aleaciones de cobre
Leghe di rame

1031631	EAN	Ø	d2	L	l2	QTY	PCB
10316310400	3221910613754	4	6	50	14	24	24
10316310600	3221910613761	6	6	50	16	25	25
10316310800	3221910613778	8	6	65	20	26	26
10316311000	3221910613785	10	6	65	20	27	27
10316311200	3221910613792	12	6	70	25	28	28
10316311600	3221910613808	16	8	70	25	29	29
103163116006	3221910613815	16	6	70	25	30	30
10316312000	3221910613822	20	6	70	25	31	31

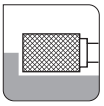
CARBIDE ROTARY BURRS. CYLINDRICAL END CUTTING.

FRESA LIMA MD CILÍNDRICA. CORTE AL CENTRO.

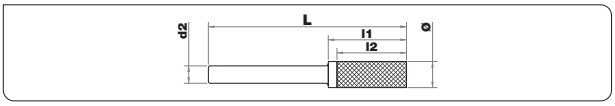
LIMA ROTATIVA IN MD, CILINDRICA, DOPPIO TAGLIENTE.

#05

HM CARB | BRIGHT UNCOATED | TIVOLY NORM



A



KLM

Aluminium alloys

Aleaciones de aluminio

Leghe di alluminio

1036651	EAN	Ø	d2	L	l2	QTY	PCB
10366511000	3221910636524	10	6	65	20	32	32
10366511200	3221910636531	12	6	70	25	33	33
10366511600	3221910636548	16	6	70	25	34	34

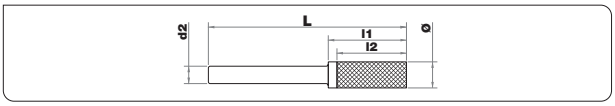
CARBIDE ROTARY BURRS. DOMED CYLINDRICAL.

FRESA LIMA MD CILÍNDRICA CON RADIO.

LIMA ROTATIVA IN MD, CILINDRICA, CON RAGGIO.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

C



CDE

Steels for heat treatment 700-1400N/mm²

Aceros para tratamiento térmico 700-1400 N/mm²

Acciai per trattamento termico 700-1400N/mm²

FGH

Stainless Steel

Aceros inoxidables

Acciai inossidabili

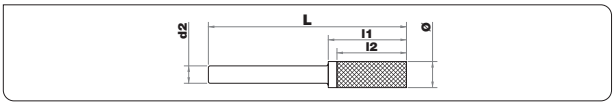
1031641	EAN	Ø	d2	L	l2	QTY	PCB
10316410400	3221910614027	4	6	50	14	1	1
10316410600	3221910614034	6	6	50	16	1	1
10316410800	3221910614041	8	6	65	20	1	1
10316411000	3221910614058	10	6	65	20	1	1
10316411200	3221910614065	12	6	70	25	1	1
10316411600	3221910614072	16	8	70	25	1	1
103164116006	3221910614089	16	6	70	25	1	1

CARBIDE ROTARY BURRS. DOMED CYLINDRICAL.

FRESA LIMA MD CILÍNDRICA CON RADIO.

LIMA ROTATIVA IN MD, CILINDRICA, CON RAGGIO.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM



AB
Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

IJ
Cast iron
Fundiciones
Ghisa

NO
Copper alloys
Aleaciones de cobre
Leghe di rame

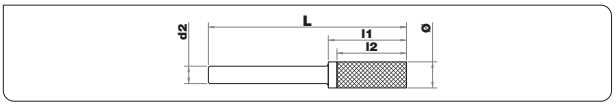
1031651	EAN	Ø	d2	L	l2	QTY	PCB
10316510400	3221910614300	4	6	50	14	1	1
10316510600	3221910614300	6	6	50	16	1	1
10316510800	3221910614317	8	6	65	20	1	1
10316511000	3221910614324	10	6	65	20	1	1
10316511200	3221910614331	12	6	70	25	1	1
10316511600	3221910614348	16	8	70	25	1	1
103165116006	3221910614355	16	6	70	25	1	1
10316512000	3221910614362	20	8	70	25	1	1
103165120006	3221910614379	20	6	70	25	1	1

CARBIDE ROTARY BURRS. DOMED CYLINDRICAL.

FRESA LIMA MD CILÍNDRICA CON RADIO.

LIMA ROTATIVA IN MD, CILINDRICA, CON RAGGIO.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM



KLM
Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

1036681	EAN	Ø	d2	L	l2	QTY	PCB
10366811000	3221910636760	10	6	65	20	1	1
10366811200	3221910636777	12	6	70	25	1	1
10366811600	3221910636708	16	6	70	25	1	1

CARBIDE ROTARY BURRS. CONE.

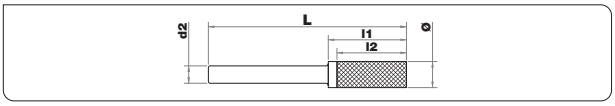
FRESA LIMA MD CILÍNDRICA PUNTA CÓNICA.

LIMA ROTATIVA IN MD, TRONCO DI CONO.

#05

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

C



CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

1031701	EAN	Ø	d2	L	l2	QTY	PCB
10317010600	3221910615567	6	6	50	16	1	1
10317010800	3221910615574	8	6	63	16	1	1
10317011000	3221910615581	10	6	65	20	1	1
10317011200	3221910615598	12	6	70	25	1	1
10317011600	3221910615604	16	8	70	25	1	1
103170116006	3221910615611	16	6	70	25	1	1
10317012000	3221910615628	20	8	70	25	1	1

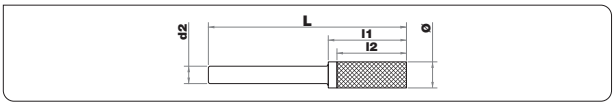
CARBIDE ROTARY BURRS. CONE.

FRESA LIMA MD CILÍNDRICA PUNTA CÓNICA.

LIMA ROTATIVA IN MD, TRONCO DI CONO.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

D



AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

IJ Cast iron
Fundiciones
Ghisa

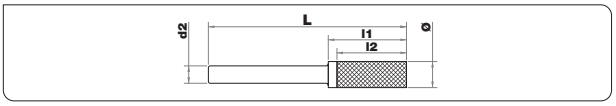
NO Copper alloys
Aleaciones de cobre
Leghe di rame

1031711	EAN	Ø	d2	L	l2	QTY	PCB
10317110400	3221910615826	4	6	50	12	1	1
10317110600	3221910615833	6	6	50	16	1	1
10317110800	3221910615840	8	6	63	16	1	1
10317111000	3221910615857	10	6	65	20	1	1
10317111200	3221910615864	12	6	70	25	1	1
10317111600	3221910615871	16	8	70	25	1	1
103171116006	3221910615888	16	6	70	25	1	1

CARBIDE ROTARY BURRS. CONE. | FRESA LIMA MD PUNTA CÓNICA. | LIMA ROTATIVA IN MD, CONICA.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM | 90°

C



CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

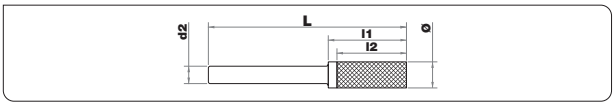
FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

1031721	EAN	Ø	d2	L	l2	QTY	PCB
10317210400	3221910616090	4	6	50	12	1	1
10317210600	3221910616106	6	6	50	16	1	1
10317210800	3221910616113	8	6	63	16	1	1
10317211000	3221910616120	10	6	65	20	1	1
10317211200	3221910616137	12	6	70	25	1	1
103172116006	3221910616151	16	8	70	25	1	1

CARBIDE ROTARY BURRS. CONE. | FRESA LIMA MD PUNTA CÓNICA. | LIMA ROTATIVA IN MD, CONICA.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM | 60°

C



CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

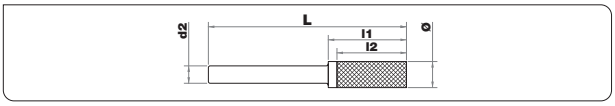
1031741	EAN	Ø	d2	L	l2	QTY	PCB
10317410400	3221910616601	4	6	50	12	1	1
10317410600	3221910616618	6	6	50	16	1	1
10317411000	3221910616632	10	6	65	20	1	1
10317411200	3221910616649	12	6	70	25	1	1
103174116006	3221910616663	16	8	70	25	1	1

CARBIDE ROTARY BURRS. ROUNDED CONE.

FRESA LIMA MD PUNTA CÓNICA REDONDEADA.

LIMA ROTATIVA IN MD, CONICA, CON RAGGIO.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM



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CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

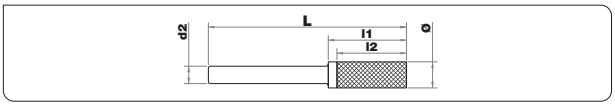
1031761	EAN	Ø	d2	L	l2	QTY	PCB
10317610600	3221910617127	6	6	50	20	1	1
10317610800	3221910617134	8	6	65	20	1	1
10317611000	3221910617141	10	6	65	20	1	1
10317611200	3221910617158	12	6	70	25	1	1
10317611600	3221910617172	16	8	75	30	1	1
103176116006	3221910617189	16	6	70	30	1	1

CARBIDE ROTARY BURRS. ROUNDED CONE.

FRESA LIMA MD PUNTA CÓNICA REDONDEADA.

LIMA ROTATIVA IN MD, CONICA, CON RAGGIO.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM



D

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

IJ Cast iron
Fundiciones
Ghisa

NO Copper alloys
Aleaciones de cobre
Leghe di rame

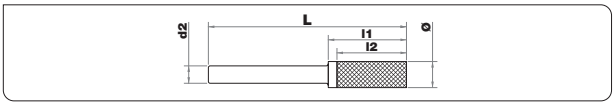
1031771	EAN	Ø	d2	L	l2	QTY	PCB
10317710600	3221910617424	6	6	50	20	1	1
10317710800	3221910617431	8	6	65	20	1	1
10317711000	3221910617448	10	6	65	20	1	1
10317711200	3221910617455	12	6	70	25	1	1
103177116006	3221910617479	16	6	70	30	1	1

CARBIDE ROTARY BURRS. ROUNDED CONE.

FRESA LIMA MD PUNTA CÓNICA REDONDEADA.

LIMA ROTATIVA IN MD, CONICA, CON RAGGIO.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM



A

KLM

Aluminium alloys

Aleaciones de aluminio

Leghe di alluminio

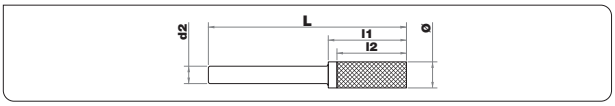
1036701	EAN	Ø	d2	L	l2	QTY	PCB
10367011000	3221910636920	10	6	65	20	1	1
10367011200	3221910636937	12	6	70	25	1	1
10367011600	3221910636944	16	6	70	30	1	1

CARBIDE ROTARY BURRS. TREE.

FRESA LIMA MD PUNTA OJIVA.

LIMA ROTATIVA IN MD A OGIVA.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM



C

CDE

Steels for heat treatment 700-1400N/mm²

Aceros para tratamiento térmico 700-1400 N/mm²

Acciai per trattamento termico 700-1400N/mm²

FGH

Stainless Steel

Aceros inoxidables

Acciai inossidabili

1031781	EAN	Ø	d2	L	l2	QTY	PCB
10317810400	3221910617684	4	6	50	14	1	1
10317810600	3221910617691	6	6	50	18	1	1
10317810800	3221910617707	8	6	63	18	1	1
10317811000	3221910617714	10	6	65	20	1	1
10317811200	3221910617721	12	6	70	25	1	1
10317811600	3221910617738	16	8	75	30	1	1
103178116006	3221910617745	16	6	75	30	1	1

CARBIDE ROTARY BURRS. TREE.

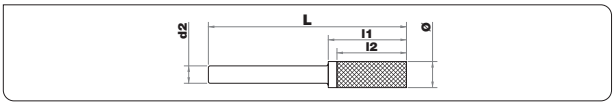
FRESA LIMA MD PUNTA OJIVA.

LIMA ROTATIVA IN MD A OGIVA.

#05

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

D



AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

IJ Cast iron
Fundiciones
Ghisa

NO Copper alloys
Aleaciones de cobre
Leghe di rame

1031791	EAN	Ø	d2	L	l2	QTY	PCB
10317910600	3221910617967	6	6	50	18	1	1
10317910800	3221910617974	8	6	63	18	1	1
10317911000	3221910617981	10	6	65	20	1	1
10317911200	3221910617998	12	6	70	25	1	1
10317911600	3221910618018	16	8	75	30	1	1
103179116006	3221910618018	16	6	75	30	1	1

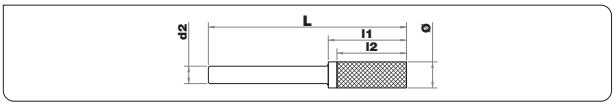
CARBIDE ROTARY BURRS. OVAL.

FRESA LIMA MD PUNTA OVAL.

LIMA ROTATIVA IN MD, OVALE, CON RAGGIO.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

C



CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

1031801	EAN	Ø	d2	L	l2	QTY	PCB
10318010600	3221910618230	6	6	50	10	1	1
10318010800	3221910618247	8	6	58	13	1	1
10318011000	3221910618254	10	6	61	16	1	1
10318011200	3221910618261	12	6	65	20	1	1
10318011600	3221910618285	16	8	70	25	1	1
103180116006	3221910618292	16	6	70	25	1	1

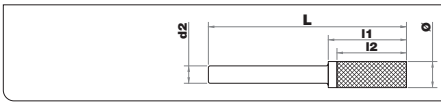
CARBIDE ROTARY BURRS. OVAL.

FRESA LIMA MD PUNTA OVAL.

LIMA ROTATIVA IN MD, OVALE, CON RAGGIO.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

D



AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

IJ Cast iron
Fundiciones
Ghisa

NO Copper alloys
Aleaciones de cobre
Leghe di rame

1031811	EAN	Ø	d2	L	l2	QTY	PCB
10318110400	3221910618520	4	6	50	6	1	1
10318110600	3221910618537	6	6	50	10	1	1
10318110800	3221910618544	8	6	58	13	1	1
10318111000	3221910618551	10	6	61	16	1	1
10318111200	3221910618568	12	6	65	20	1	1
10318111600	3221910618575	16	8	70	25	1	1
103181116006	3221910618582	16	6	70	25	1	1
10318112000	3221910618599	20	8	70	25	1	1
103181120006	3221910618605	20	6	70	25	1	1

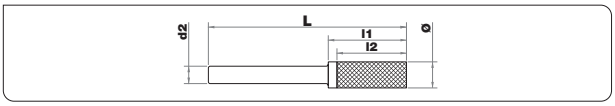
CARBIDE ROTARY BURRS. OVAL.

FRESA LIMA MD PUNTA OVAL.

LIMA ROTATIVA IN MD, OVALE, CON RAGGIO.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

A



KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

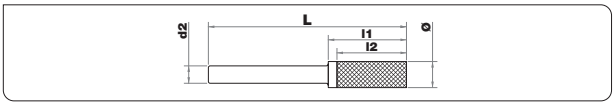
1036661	EAN	Ø	d2	L	l2	QTY	PCB
10366611200	3221910636616	12	6	65	20	1	1
10366611600	3221910636623	16	6	70	25	1	1

CARBIDE ROTARY BURRS. BALL NOSED TREE.

FRESA LIMA MD PUNTA OJIVA REDONDEADA.

LIMA ROTATIVA IN MD A OGIVA, CON RAGGIO.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM



A

KLM — Aluminium alloys / Aleaciones de aluminio / Leghe di alluminio

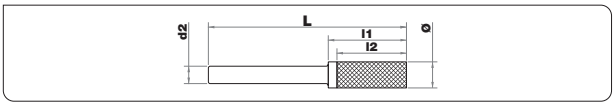
1036671	EAN	Ø	d2	L	l2	QTY	PCB
10366711000	3221910636685	10	6	65	20	1	1
10366711200	3221910636692	12	6	70	25	1	1
10366711600	3221910636708	16	6	75	30	1	1

CARBIDE ROTARY BURRS. BALL NOSED TREE.

FRESA LIMA MD PUNTA OJIVA REDONDEADA.

LIMA ROTATIVA IN MD A OGIVA, CON RAGGIO.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM



D

AB — Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

IJ — Cast iron / Fundiciones / Ghisa

NO — Copper alloys / Aleaciones de cobre / Leghe di rame

1031831	EAN	Ø	d2	L	l2	QTY	PCB
10318310600	3221910619077	6	6	50	18	1	1
10318310800	3221910619084	8	6	63	18	1	1
10318311000	3221910619091	10	6	65	20	1	1
10318311200	3221910619107	12	6	70	25	1	1
10318311600	3221910619114	16	8	75	30	1	1
103183116006	3221910619121	16	6	75	30	1	1
10318312000	3221910619138	20	8	75	30	1	1
103183120006	3221910619145	20	6	75	30	1	1

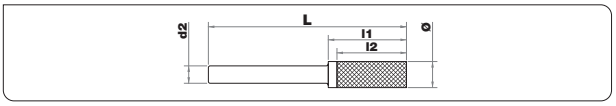
CARBIDE ROTARY BURRS. BALL NOSED TREE.

FRESA LIMA MD PUNTA OJIVA REDONDEADA.

LIMA ROTATIVA IN MD A OGIVA, CON RAGGIO.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

C



CDE

Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH

Stainless Steel
Aceros inoxidables
Acciai inossidabili

1031821	EAN	Ø	d2	L	l2	QTY	PCB
10318210600	3221910618803	6	6	50	18	1	1
10318210800	3221910618810	8	6	63	18	1	1
10318211000	3221910618827	10	6	65	20	1	1
10318211200	3221910618834	12	6	70	25	1	1
10318211600	3221910618841	16	8	75	30	1	1
103182116006	3221910618858	16	6	75	30	1	1

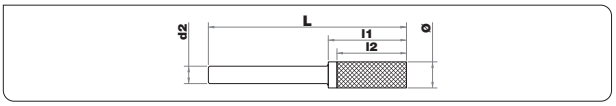
CARBIDE ROTARY BURRS. BALL.

FRESA LIMA MD PUNTA ESFÉRICA.

LIMA ROTATIVA IN MD, SFERICA.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

C



CDE

Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH

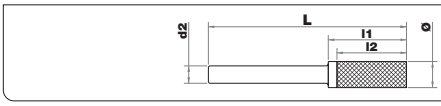
Stainless Steel
Aceros inoxidables
Acciai inossidabili

1031841	EAN	Ø	d2	L	l2	QTY	PCB
10318410400	3221910619336	4	6	50	18	1	1
10318410600	3221910619343	6	6	50	18	1	1
10318410800	3221910619350	8	6	63	18	1	1
10318411000	3221910619367	10	6	65	20	1	1
10318411200	3221910619374	12	6	70	25	1	1
10318411600	3221910619381	16	8	75	30	1	1
103184116006	3221910619398	16	6	75	30	1	1
103184120006	3221910619411	20	6	75	30	1	1

CARBIDE ROTARY BURRS. BALL. | FRESA LIMA MD PUNTA ESFÉRICA. | LIMA ROTATIVA IN MD, SFERICA.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

D



AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

IJ Cast iron
Fundiciones
Ghisa

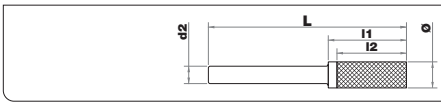
NO Copper alloys
Aleaciones de cobre
Leghe di rame

1031851	EAN	ø	d2	L	l2	QTY	PCB
10318510400	3221910619602	4	6	50	18	1	1
10318510600	3221910619619	6	6	50	18	1	1
10318510800	3221910619626	8	6	63	18	1	1
10318511000	3221910619633	10	6	65	20	1	1
10318511200	3221910619640	12	6	70	25	1	1
103185116006	3221910619664	16	6	75	30	1	1
10318512000	3221910619671	20	8	75	30	1	1
103185120006	3221910619688	20	6	75	30	1	1

CARBIDE ROTARY BURRS. BALL. | FRESA LIMA MD PUNTA ESFÉRICA. | LIMA ROTATIVA IN MD, SFERICA.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

A



KLM Aluminium alloys
Aleaciones de aluminio
Leghe di alluminio

1036691	EAN	ø	d2	L	l2	QTY	PCB
10366911000	3221910636845	10	6	65	20	1	1
10366911200	3221910636852	12	6	70	25	1	1

CARBIDE ROTARY BURRS. CYLINDRICAL.

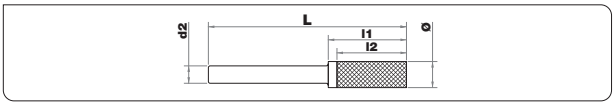
FRESA LIMA CILÍNDRICA.

LIMA ROTATIVA IN MD, CILINDRICA.

#05

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

C



CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

1032051	EAN	Ø	d2	L	l2	QTY	PCB
10320510300	3221910620356	3	3	38	14	1	1

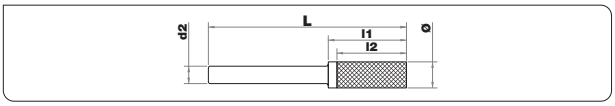
CARBIDE ROTARY BURRS. CYLINDRICAL.

FRESA LIMA CILÍNDRICA.

LIMA ROTATIVA IN MD, CILINDRICA.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

D

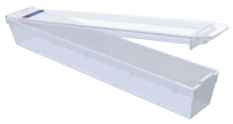


AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

IJ Cast iron
Fundiciones
Ghisa

NO Copper alloys
Aleaciones de cobre
Leghe di rame

1032151	EAN	Ø	d2	L	l2	QTY	PCB
10321510300	3221910620653	3	3	38	14	1	1



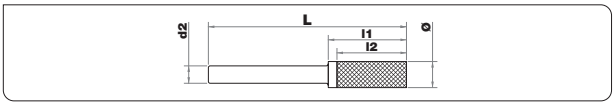
CARBIDE ROTARY BURRS. DOMED CYLINDRICAL.

FRESA LIMA MD CILÍNDRICA CON RADIO.

LIMA ROTATIVA IN MD, CILINDRICA, CON RAGGIO.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

C



CDE
Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH
Stainless Steel
Aceros inoxidables
Acciai inossidabili

1032061	EAN	Ø	d2	L	l2	QTY	PCB
10320610300	3221910620387	3	3	38	14	1	1

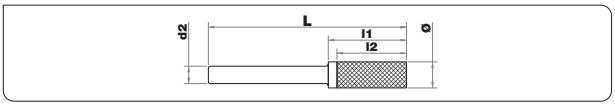
CARBIDE ROTARY BURRS. DOMED CYLINDRICAL.

FRESA LIMA MD CILÍNDRICA CON RADIO.

LIMA ROTATIVA IN MD, CILINDRICA, CON RAGGIO.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

D



AB
Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

IJ
Cast iron
Fundiciones
Ghisa

NO
Copper alloys
Aleaciones de cobre
Leghe di rame

1032161	EAN	Ø	d2	L	l2	QTY	PCB
10321610300	3221910620684	3	3	38	14	1	1

CARBIDE ROTARY BURRS. CONE 90°.

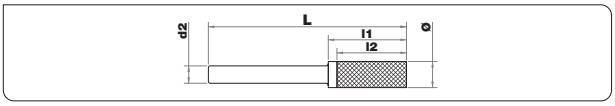
FRESA LIMA MD PUNTA CÓNICA 90°. DENTADO FINO.

LIMA ROTATIVA IN MD, CONICA, 90°.

#05

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

C



CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

1032071	EAN	Ø	d2	L	l2	QTY	PCB
10320710300	3221910620417	3	3	38	14	1	1

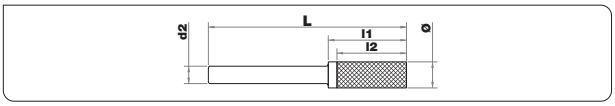
CARBIDE ROTARY BURRS. CONE 90°.

FRESA LIMA MD PUNTA CÓNICA 90°. DENTADO FINO.

LIMA ROTATIVA IN MD, CONICA, 90°.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

D

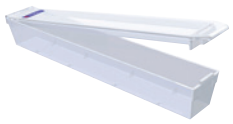


AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

IJ Cast iron
Fundiciones
Ghisa

NO Copper alloys
Aleaciones de cobre
Leghe di rame

1032171	EAN	Ø	d2	L	l2	QTY	PCB
10321710300	3221910620714	3	3	38	14	1	1

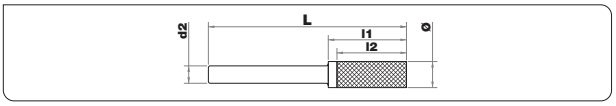


CARBIDE ROTARY BURRS. TREE. | FRESA LIMA MD PUNTA OJIVA. | LIMA ROTATIVA IN MD A OGIVA.

#05

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

C



CDE
Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

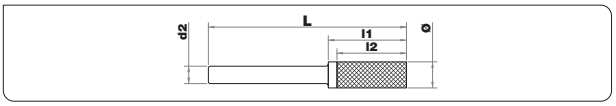
FGH
Stainless Steel
Aceros inoxidables
Acciai inossidabili

1032081	EAN	Ø	d2	L	l2	QTY	PCB
10320810300	3221910620448	3	3	38	14	1	1

CARBIDE ROTARY BURRS. TREE. | FRESA LIMA MD PUNTA OJIVA. | LIMA ROTATIVA IN MD A OGIVA.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

D



AB
Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

IJ
Cast iron
Fundiciones
Ghisa

NO
Copper alloys
Aleaciones de cobre
Leghe di rame

1032181	EAN	Ø	d2	L	l2	QTY	PCB
10321810300	3221910620745	3	3	38	14	1	1

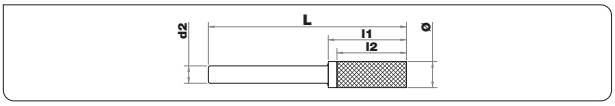
CARBIDE ROTARY BURRS. CONE. FINE TEETH.

FRESA LIMA MD CILÍNDRICA PUNTA CÓNICA.

LIMA ROTATIVA IN MD, TRONCO DI CONO.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

C



CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

1032091	EAN	Ø	d2	L	l2	QTY	PCB
10320910300	3221910620479	3	3	38	14	1	1

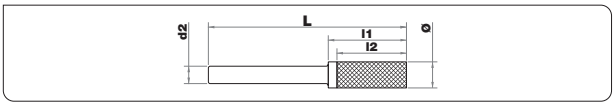
CARBIDE ROTARY BURRS. CONE. FINE TEETH.

FRESA LIMA MD CILÍNDRICA PUNTA CÓNICA.

LIMA ROTATIVA IN MD, TRONCO DI CONO.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

D



AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

IJ Cast iron
Fundiciones
Ghisa

NO Copper alloys
Aleaciones de cobre
Leghe di rame

1032191	EAN	Ø	d2	L	l2	QTY	PCB
10321910300	3221910620776	3	3	38	14	1	1

CARBIDE ROTARY BURRS. CONE 90°.

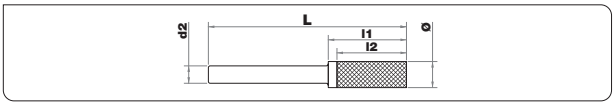
FRESA LIMA MD PUNTA CÓNICA 90°. DENTADO FINO.

LIMA ROTATIVA IN MD, CONICA, 90°.

#05

HM CARB | BRIGHT UNCOATED | TIVOLY NORM | 90°

C



CDE — Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH — Stainless Steel
Aceros inoxidables
Acciai inossidabili

1032101	EAN	Ø	d2	L	l2	QTY	PCB
10321010300	3221910620509	3	3	38	14	1	1

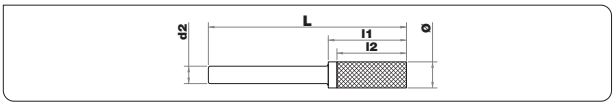
CARBIDE ROTARY BURRS. OVAL.

FRESA LIMA MD PUNTA OVAL.

LIMA ROTATIVA IN MD, OVALE, CON RAGGIO.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

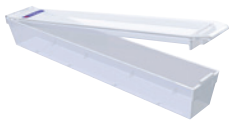
C



CDE — Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH — Stainless Steel
Aceros inoxidables
Acciai inossidabili

1032111	EAN	Ø	d2	L	l2	QTY	PCB
10321110300	3221910620530	3	3	38	14	1	1



CARBIDE ROTARY BURRS. OVAL.

FRESA LIMA MD PUNTA OVAL.

LIMA ROTATIVA IN MD, OVALE, CON RAGGIO.

#05

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

D

AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

IJ Cast iron
Fundiciones
Ghisa

NO Copper alloys
Aleaciones de cobre
Leghe di rame

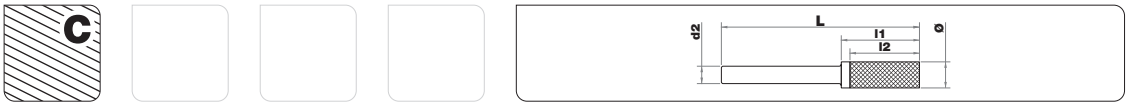
1032211	EAN	Ø	d2	L	l2	QTY	PCB
10322110300	3221910620837	3	3	38	14	1	1

CARBIDE ROTARY BURRS. BALL.

FRESA LIMA MD PUNTA ESFÉRICA.

LIMA ROTATIVA IN MD, SFERICA.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

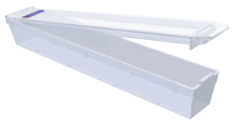


C

CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

1032121	EAN	Ø	d2	L	l2	QTY	PCB
10321210300	3221910620561	3	3	38	14	1	1



CARBIDE ROTARY BURRS. BALL.

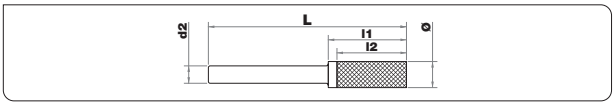
FRESA LIMA MD PUNTA ESFÉRICA.

LIMA ROTATIVA IN MD, SFERICA.

#05

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

D



AB
Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

IJ
Cast iron
Fundiciones
Ghisa

NO
Copper alloys
Aleaciones de cobre
Leghe di rame

1032221	EAN	Ø	d2	L	l2	QTY	PCB
10322210300	3221910620868	3	3	38	14	1	1

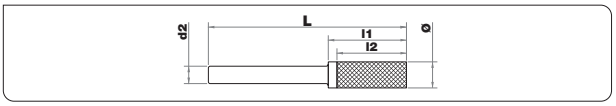
CARBIDE ROTARY BURRS. BALL NOSED TREE.

FRESA LIMA MD PUNTA OJIVA REDONDEADA.

LIMA ROTATIVA IN MD A OGIVA, CON RAGGIO.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

C



CDE
Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH
Stainless Steel
Aceros inoxidables
Acciai inossidabili

1032131	EAN	Ø	d2	L	l2	QTY	PCB
10321310300	3221910620592	3	3	38	14	1	1

CARBIDE ROTARY BURRS. BALL NOSED TREE.

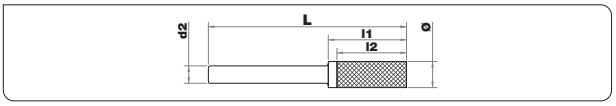
FRESA LIMA MD PUNTA OJIVA REDONDEADA.

LIMA ROTATIVA IN MD A OGIVA, CON RAGGIO.

#05

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

D



AB
Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

IJ
Cast iron
Fundiciones
Ghisa

NO
Copper alloys
Aleaciones de cobre
Leghe di rame

1032231	EAN	Ø	d2	L	l2	QTY	PCB
10322310300	3221910620899	3	3	38	14	1	1

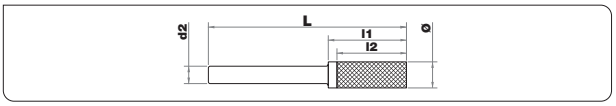
CARBIDE ROTARY BURRS. ROUNDED CONE.

FRESA LIMA MD PUNTA CÓNICA REDONDEADA.

LIMA ROTATIVA IN MD, CONICA, CON RAGGIO.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

C



CDE
Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

FGH
Stainless Steel
Aceros inoxidables
Acciai inossidabili

1032141	EAN	Ø	d2	L	l2	QTY	PCB
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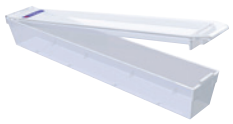


CARBIDE ROTARY BURRS. ROUNDED CONE.

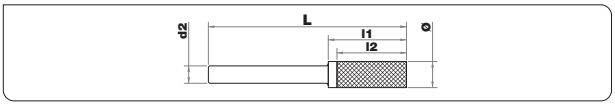
FRESA LIMA MD PUNTA CÓNICA REDONDEADA.

LIMA ROTATIVA IN MD, CONICA, CON RAGGIO.

#05

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

D



AB
Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

IJ
Cast iron
Fundiciones
Ghisa

NO
Copper alloys
Aleaciones de cobre
Leghe di rame

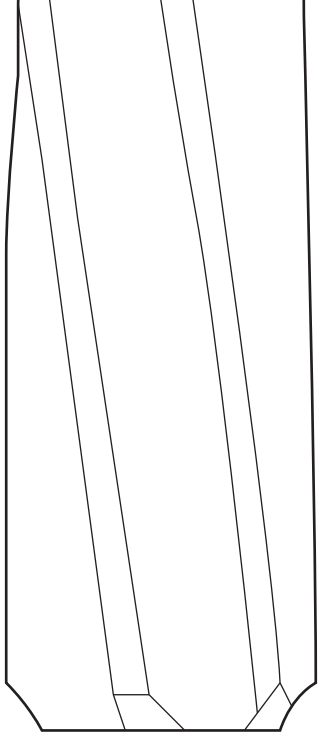
1032241	EAN	Ø	d2	L	l2	QTY	PCB
10322410300	3221910620929	3	3	38	14	1	1

#05

GENE-
RAL
CATALOGUE

REAMING
ESCARIADO
ALESATURA

#06/08



REAMING
ESCARIADO
ALESATURA

HAND REAMERS 341
ESCARIADORES
DE MANO
ALESATORI A MANO

MACHINE REAMERS 346
ESCARIADORES
DE MÁQUINA
ALESATORI
A MACCHINA

TIVOLY

ALÉSAGE
REAMING

industriel@tivoly.com

HSS PARIS HAND REAMERS PARIS.

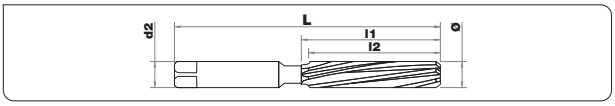
ESCARIADOR DE MANO HSS TIPO PARIS.

ALESATORE A MANO HSS TIPO FRANCESE.

#06

HSS | BRIGHT UNCOATED | NFE 74112 | 0°

k7



A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

1040011	EAN	Ø	d2	L	l1	l2	QTY	PCB
10400110200	3221910637408	2	2	65	35	14	1	1
10400110250	3221910637415	2,5	2,5	65	35	14	1	1
10400110300	3221910637422	3	3	85	50	17	1	1
10400110350	3221910637439	3,5	3,5	95	56	19	1	1
10400110400	3221910637446	4	4	100	60	20	1	1
10400110450	3221910637453	4,5	4,5	106	63	21	1	1
10400110500	3221910637460	5	5	112	67	22	1	1
10400110550	3221910637477	5,5	5,5	118	71	24	1	1
10400110600	3221910637484	6	6	118	71	24	1	1
10400110650	3221910637491	6,5	6,5	125	75	25	1	1
10400110700	3221910637507	7	7	132	80	26	1	1
10400110750	3221910637514	7,5	7,5	132	80	26	1	1
10400110800	3221910637521	8	8	140	85	28	1	1
10400110850	3221910637538	8,5	8,5	140	85	28	1	1
10400110900	3221910637545	9	9	150	90	30	1	1
10400110950	3221910637552	9,5	9,5	150	90	30	1	1
10400111000	3221910637569	10	10	160	95	32	1	1
10400111050	3221910637576	10,5	10,5	160	95	32	1	1
10400111100	3221910637583	11	11	170	100	34	1	1
10400111150	3221910637590	11,5	11,5	170	100	34	1	1
10400111200	3221910637606	12	12	180	106	36	1	1
10400111250	3221910637613	12,5	12,5	180	106	36	1	1
10400111300	3221910637620	13	13	180	106	36	1	1
10400111350	3221910637637	13,5	13,5	190	112	38	1	1
10400111400	3221910637644	14	14	190	112	38	1	1
10400111450	3221910637651	14,5	14,5	190	112	38	1	1
10400111500	3221910637668	15	15	190	112	38	1	1
10400111550	3221910637675	15,5	15,5	200	118	40	1	1
10400111600	3221910637682	16	16	200	118	40	1	1
10400111650	3221910637699	16,5	16,5	200	118	40	1	1
10400111700	3221910637705	17	17	200	118	40	1	1
10400111750	3221910637712	17,5	17,5	212	125	42	1	1
10400111800	3221910637729	18	18	212	125	42	1	1
10400111850	3221910637736	18,5	18,5	212	125	42	1	1
10400111900	3221910637743	19	19	212	125	42	1	1
10400111950	3221910637750	19,5	19,5	224	132	45	1	1
10400112000	3221910637767	20	20	224	132	45	1	1
10400112050	3221910637774	20,5	20,5	224	132	45	1	1
10400112100	3221910637781	21	21	224	132	45	1	1
10400112150	3221910637798	21,5	21,5	236	140	48	1	1
10400112200	3221910637804	22	22	236	140	48	1	1
10400112250	3221910637811	22,5	22,5	236	140	48	1	1
10400112300	3221910637828	23	23	236	140	48	1	1
10400112350	3221910637835	23,5	23,5	236	140	48	1	1
10400112400	3221910637842	24	24	250	150	50	1	1
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10400112700	3221910637903	27	27	265	160	63	1	1
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10400112850	3221910637934	28,5	28,5	265	160	63	1	1
10400112900	3221910637941	29	29	265	160	63	1	1
10400112950	3221910637958	29,5	29,5	265	160	63	1	1
10400113000	3221910637965	30	30	265	160	63	1	1
10400113100	3221910637972	31	31	280	170	56	1	1
10400113200	3221910637989	32	32	280	170	56	1	1
10400113300	3221910637996	33	33	280	170	56	1	1

1040011	EAN	Ø	d2	L	l1	l2	QTY	PCB
10400113400	3221910638009	34	34	300	180	60	1	1
10400113500	3221910638016	35	35	300	180	60	1	1
10400113600	3221910638023	36	36	300	180	60	1	1
10400113700	3221910638030	37	37	300	180	60	1	1
10400113800	3221910638047	38	38	315	190	63	1	1
10400113900	3221910638054	39	39	315	190	63	1	1
10400114000	3221910638061	40	40	315	190	63	1	1
10400114200	3221910638078	42	42	315	190	63	1	1
10400114500	3221910638085	45	45	335	200	67	1	1
10400114800	3221910638092	48	48	355	212	71	1	1
10400115000	3221910638108	50	50	355	212	71	1	1

HSS AMERICAN HAND REAMERS.

ESCARIADOR DE MANO HSS TIPO AMERICANO.

ALESATORE A MANO HSS TIPO AMERICANO.

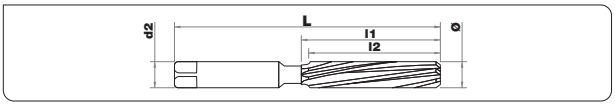
HSS

BRIGHT UNCOATED

NFE 66019

10°

m5



A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

1040021	EAN	Ø	d2	L	l2	QTY	PCB
10400210200	3221910639532	2	2	50	25	1	1
10400210250	3221910639549	2,5	2,5	58	29	1	1
10400210300	3221910639556	3	3	62	31	1	1
10400210350	3221910639563	3,5	3,5	70	35	1	1
10400210400	3221910639570	4	4	76	38	1	1
10400210450	3221910639587	4,5	4,5	81	41	1	1
10400210500	3221910639594	5	5	87	44	1	1
10400210550	3221910639600	5,5	5,5	93	47	1	1
10400210600	3221910639617	6	6	93	47	1	1
10400210650	3221910639624	6,5	6,5	100	50	1	1
10400210700	3221910639631	7	7	107	54	1	1
10400210750	3221910639648	7,5	7,5	107	54	1	1
10400210800	3221910639655	8	8	115	58	1	1
10400210850	3221910639662	8,5	8,5	115	58	1	1
10400210900	3221910639679	9	9	124	62	1	1
10400210950	3221910639686	9,5	9,5	124	62	1	1
10400211000	3221910639693	10	10	133	60	1	1
10400211100	3221910639709	11	11	142	71	1	1
10400211200	3221910639716	12	12	152	76	1	1
10400211300	3221910639723	13	13	152	76	1	1
10400211400	3221910639730	14	14	163	81	1	1
10400211500	3221910639747	15	15	163	81	1	1
10400211600	3221910639754	16	16	175	87	1	1
10400211700	3221910639761	17	17	175	87	1	1
10400211800	3221910639778	18	18	188	93	1	1
10400211900	3221910639785	19	19	188	96	1	1
10400212000	3221910639792	20	20	201	100	1	1
10400212100	3221910639808	21	21	201	100	1	1
10400212200	3221910639815	22	22	215	107	1	1
10400212300	3221910639822	23	23	215	107	1	1
10400212400	3221910639839	24	24	231	115	1	1
10400212500	3221910639846	25	25	231	115	1	1
10400212600	3221910639853	26	26	231	115	1	1
10400212700	3221910639860	27	27	247	124	1	1
10400212800	3221910639877	28	28	247	124	1	1
10400212900	3221910639884	29	29	247	124	1	1
10400213000	3221910639891	30	30	247	124	1	1
10400213100	3221910639907	31	31	265	133	1	1
10400213200	3221910639914	32	32	265	133	1	1

HSS PIN HAND REAMERS.

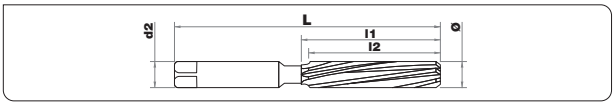
ESCARIADOR DE MANO HSS.

ALESATORE A MANO HSS PER SPINE CONICHE 2%.

#06

HSS | BRIGHT UNCOATED | NFE 66011 | 2%

10°



A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

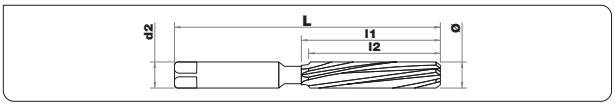
1040061	EAN	N°Ø	minØ	maxØ	d2	L	l2	QTY	PCB
10400610100	3221910641368	1	0,9	1,4	1,5	46	28	1	1
10400610120	3221910641375	1,2	1,1	1,7	1,8	50	32	1	1
10400610150	3221910641382	1,5	1,4	2,1	2,2	57	37	1	1
10400610200	3221910641399	2	1,9	2,8	3,1	72	48	1	1
10400610250	3221910641405	2,5	2,4	3,3	3,1	72	48	1	1
10400610300	3221910641412	3	2,9	4	4	80	58	1	1
10400610400	3221910641429	4	3,9	5,2	5	93	68	1	1
10400610500	3221910641436	5	4,9	6,3	6,3	105	73	1	1
10400610600	3221910641443	6	5,9	8	8	140	105	1	1
10400610700	3221910641450	7	6,9	9	9	140	105	1	1
10400610800	3221910641467	8	7,9	10,8	10	185	145	1	1
10400610900	3221910641474	9	8,9	11,8	11,8	190	145	1	1
10400611000	3221910641481	10	9,9	13,4	12,5	220	175	1	1
10400611200	3221910641498	12	11,8	16	14	260	210	1	1
10400611400	3221910641504	14	13,8	18	18	260	210	1	1
10400611600	3221910641511	16	15,8	20,4	18	280	230	1	1
10400611800	3221910641528	18	17,8	22,4	22,4	290	230	1	1
10400612000	3221910641535	20	19,8	24,8	22,4	310	250	1	1
10400612200	3221910641542	22	21,8	26,8	26,8	320	250	1	1
10400612500	3221910641559	25	24,7	30,7	28	370	300	1	1

HSS ADJUSTABLE HAND REAMERS.

ESCARIADOR DE MANO HSS REGULABLE.

ALESATORE A MANO HSS ESPANSIBILE.

HSS | BRIGHT UNCOATED | TIVOLY NORM | 0°



A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

1040091	EAN	minØ	maxØ	d2	L	l2	QTY	PCB
10400910809	3221910897789	8	9	4	111	32	1	1
10400910910	3221910643195	9	10	4	115	32	1	1
10400911011	3221910897796	10	11	4	120	35	1	1
10400911112	3221910897802	11	12	6	125	35	1	1
10400911213	3221910897819	12	13,5	6,2	130	42	1	1
10400911315	3221910897826	13,5	15,5	7	145	50	1	1
10400911518	3221910897833	15,5	18	8	165	60	1	1
10400911821	3221910897840	18	21	9	180	65	1	1
10400912124	3221910897857	21	24	10	190	70	1	1
10400912427	3221910897864	24	27,5	11	205	75	1	1
10400912731	3221910897871	27,5	31,5	12	225	80	1	1
10400913137	3221910897888	31,5	37	14,5	240	90	1	1
10400913745	3221910897895	37	45	16	285	100	1	1
10400914555	3221910897901	45	55	20	320	109	1	1

HSS JET HAND REAMERS.

ESCARIADOR DE MANO HSS, SURTIDOR.

ALESATORE A MANO HSS PER UGELLO.

#06

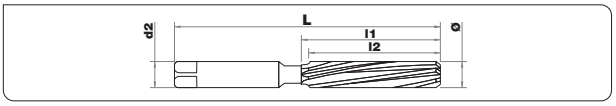
HSS

BRIGHT UNCOATED

TIVOLY NORM

0°

+− 0,01mm



A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

1040071	EAN	minØ	d2	L	l2	QTY	PCB
10400710030	3221910641962	0,3	1,5	25	2,1	1	1
10400710035	3221910641979	0,35	1,5	25	2,8	1	1
10400710040	3221910641986	0,4	1,5	25	2,9	1	1
10400710045	3221910641993	0,45	1,5	25	3,2	1	1
10400710050	3221910642006	0,5	1,5	27	3,5	1	1
10400710055	3221910642013	0,55	1,5	27	4	1	1
10400710060	3221910642020	0,6	1,5	27	4,5	1	1
10400710065	3221910642037	0,65	1,5	27	4,5	1	1
10400710070	3221910642044	0,7	1,5	27	5	1	1
10400710075	3221910642051	0,75	1,5	27	5	1	1
10400710080	3221910642068	0,8	1,5	27	5,5	1	1
10400710085	3221910642075	0,85	1,5	27	5,5	1	1
10400710090	3221910642082	0,9	1,5	27	6	1	1
10400710095	3221910642099	0,95	1,5	27	6	1	1
10400710100	3221910642105	1	1,5	27	6,5	1	1
10400710105	3221910642112	1,05	1,5	27	6,5	1	1
10400710110	3221910642129	1,1	1,5	27	7	1	1
10400710115	3221910642136	1,15	1,5	27	7	1	1
10400710120	3221910642143	1,2	1,5	27	7,5	1	1
10400710125	3221910642150	1,25	1,5	27	7,5	1	1
10400710130	3221910642167	1,3	1,5	27	7,5	1	1
10400710135	3221910642174	1,35	1,5	27	7,5	1	1
10400710140	3221910642181	1,4	1,5	27	8	1	1
10400710145	3221910642198	1,45	1,5	27	8	1	1
10400710150	3221910642204	1,5	1,5	27	8	1	1
10400710155	3221910642211	1,55	2	35	9,5	1	1
10400710160	3221910642228	1,6	2	35	9,5	1	1
10400710165	3221910642235	1,65	2	35	9,5	1	1
10400710170	3221910642242	1,7	2	35	11	1	1
10400710175	3221910642259	1,75	2	35	11	1	1
10400710180	3221910642266	1,8	2	35	11	1	1
10400710185	3221910642273	1,85	2	35	12	1	1
10400710190	3221910642280	1,9	2	35	12	1	1

HSS CENTER ADJUSTABLE HAND REAMERS.

ESCARIADOR DE MANO HSS EXTENSIBLE.

ALESATORE A MANO HSS A PICCOLA ESPANSIONE.

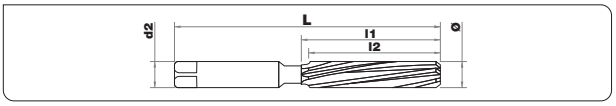
#06

HSS

BRIGHT UNCOATED

NFE 66003

0°



A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

1040101	EAN	ø	d2	L	l2	QTY	PCB
10401010500	3221910643553	5	5	85	32	1	1
10401010550	3221910643560	5,5	5,5	85	32	1	1
10401010600	3221910643577	6	6	90	32	1	1
10401010650	3221910643584	6,5	6,5	100	37	1	1
10401010700	3221910643591	7	7	100	37	1	1
10401010750	3221910643607	7,5	7,5	110	42	1	1
10401010800	3221910643614	8	8	110	42	1	1
10401010850	3221910643621	8,5	8,5	120	47	1	1
10401010900	3221910643638	9	9	120	47	1	1
10401010950	3221910643645	9,5	9,5	130	49	1	1
10401011000	3221910643652	10	10	130	49	1	1
10401011050	3221910643669	10,5	10,5	140	54	1	1
10401011100	3221910643676	11	11	140	54	1	1
10401011150	3221910643683	11,5	11,5	150	59	1	1
10401011200	3221910643690	12	12	150	59	1	1
10401011250	3221910643706	12,5	12,5	160	60	1	1
10401011300	3221910643713	13	13	160	60	1	1
10401011350	3221910643720	13,5	13,5	170	65	1	1
10401011400	3221910643737	14	14	170	65	1	1
10401011450	3221910643744	14,5	14,5	180	70	1	1
10401011500	3221910643751	15	15	180	70	1	1
10401011550	3221910643768	15,5	15,5	180	75	1	1
10401011600	3221910643775	16	16	185	75	1	1
10401011650	3221910643782	16,5	16,5	190	75	1	1
10401011700	3221910643799	17	17	190	75	1	1
10401011750	3221910643805	17,5	17,5	200	77	1	1
10401011800	3221910643812	18	18	200	77	1	1
10401011850	3221910643829	18,5	18,5	205	77	1	1
10401011900	3221910643836	19	19	205	77	1	1
10401011950	3221910643843	19,5	19,5	210	82	1	1
10401012000	3221910643850	20	20	210	82	1	1
10401012100	3221910643867	21	21	215	87	1	1
10401012200	3221910643874	22	22	220	87	1	1
10401012300	3221910643881	23	23	230	89	1	1
10401012400	3221910643898	24	24	235	89	1	1
10401012500	3221910643904	25	25	240	94	1	1
10401012600	3221910643911	26	26	245	95	1	1
10401012700	3221910643928	27	27	260	100	1	1
10401012800	3221910643935	28	28	260	100	1	1
10401012900	3221910643942	29	29	270	102	1	1
10401013000	3221910643959	30	30	270	102	1	1
10401013100	3221910643966	31	31	280	107	1	1
10401013200	3221910643973	32	32	280	107	1	1

HSSE MACHINE REAMERS.
STRAIGHT.

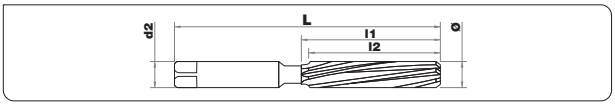
ESCARIADOR DE MÁQUINA HSSE5
RECTO.

ALESATORE A MACCHINA HSS-E5
TAGLI DIRITTI.

#06

HSS E5 | BRIGHT UNCOATED | NFE 66014 | Z 4-8

0° | m5



AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

8040121	EAN	ø	d2	L	l1	l2	Z	QTY	PCB
80401210100	3221910646745	1	1	38	15	12	4	1	1
80401210150	3221910646752	1,5	1,5	43	26	18	4	1	1
80401210200	3221910646769	2	2	49	31	19	6	1	1
80401210250	3221910646776	2,5	2,5	57	38	20	6	1	1
80401210300	3221910646783	3	3	57	38	20	6	1	1
80401210350	3221910646790	3,5	3,5	70	47	20	6	1	1
80401210400	3221910646806	4	4	75	50	24	6	1	1
80401210450	3221910646813	4,5	4,5	80	54	25	6	1	1
80401210500	3221910646820	5	5	86	59	26	6	1	1
80401210550	3221910646837	5,5	5,5	93	65	27	6	1	1
80401210600	3221910646844	6	6	101	71	28	6	1	1
80401210650	3221910646851	6,5	6,5	101	71	28	6	1	1
80401210700	3221910646868	7	7	109	78	31	6	1	1
80401210750	3221910646875	7,5	7,5	109	78	31	6	1	1
80401210800	3221910646882	8	8	117	84	33	6	1	1
80401210850	3221910646899	8,5	8,5	117	84	33	6	1	1
80401210900	3221910646905	9	9	125	88	36	6	1	1
80401210950	3221910646912	9,5	9,5	125	88	36	6	1	1
80401211000	3221910646929	10	10	133	97	38	6	1	1
80401211100	3221910646936	11	11	133	97	38	6	1	1
80401211200	3221910646943	12	12	151	110	44	6	1	1
80401211300	3221910646950	13	13	151	110	44	8	1	1
80401211400	3221910646967	14	14	160	114	47	8	1	1
80401211500	3221910646974	15	15	162	120	50	8	1	1
80401211600	3221910646981	16	16	170	120	52	8	1	1
80401211700	3221910646998	17	17	175	123	54	8	1	1
80401211800	3221910647001	18	18	182	132	56	8	1	1
80401211900	3221910647018	19	19	159	140	58	8	1	1
80401212000	3221910647025	20	20	195	150	60	8	1	1

HSSE MACHINE REAMERS. SPIRAL FLUTE 10°.

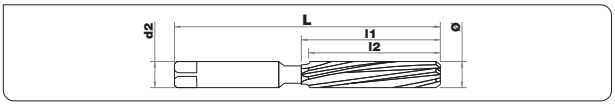
ESCARIADOR DE MÁQUINA HSSE5 HELICOIDAL 10°/

ALESATORE A MACCHINA HSS-E5 ELICOIDALE 10°.

#06

HSS E5 | BRIGHT UNCOATED | NFE 66014 | Z 4-8

10° | m5



AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CD Steels for heat treatment 700-1200N/mm²
Aceros para tratamiento térmico 700-1200 N/mm²
Acciai per trattamento termico 700-1200N/mm²

FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

IJ Cast iron
Fundiciones
Ghisa

8040131	EAN	ø	d2	L	l1	l2	Z	QTY	PCB
80401310100	3221910647612	1	1	38	15	12	4	1	1
80401310150	3221910647629	1,5	1,5	43	26	18	4	1	1
80401310200	3221910647636	2	2	49	31	19	6	1	1
80401310250	3221910647643	2,5	2,5	57	38	20	6	1	1
80401310300	3221910647650	3	3	57	38	20	6	1	1
80401310350	3221910647667	3,5	3,5	70	47	20	6	1	1
80401310400	3221910647674	4	4	75	50	24	6	1	1
80401310450	3221910647681	4,5	4,5	80	54	25	6	1	1
80401310500	3221910647698	5	5	86	59	26	6	1	1
80401310550	3221910647704	5,5	5,5	93	65	27	6	1	1
80401310600	3221910647711	6	6	101	71	28	6	1	1
80401310650	3221910647728	6,5	6,5	101	71	28	6	1	1
80401310700	3221910647735	7	7	109	78	31	6	1	1
80401310750	3221910647742	7,5	7,5	109	78	31	6	1	1
80401310800	3221910647759	8	8	117	84	33	6	1	1
80401310850	3221910647766	8,5	8,5	117	84	33	6	1	1
80401310900	3221910647773	9	9	125	88	36	6	1	1
80401310950	3221910647780	9,5	9,5	125	88	36	6	1	1
80401311000	3221910647797	10	10	133	97	38	6	1	1
80401311100	3221910647803	11	11	133	97	38	6	1	1
80401311200	3221910647810	12	12	151	110	44	6	1	1
80401311300	3221910647827	13	13	151	110	44	8	1	1
80401311400	3221910647834	14	14	160	114	47	8	1	1
80401311500	3221910647841	15	15	162	115	50	8	1	1
80401311600	3221910647858	16	16	170	120	52	8	1	1
80401311700	3221910647865	17	17	175	123	54	8	1	1
80401311800	3221910647872	18	18	182	132	56	8	1	1
80401311900	3221910647889	19	19	159	140	58	8	1	1
80401312000	3221910647896	20	20	195	150	60	8	1	1

HSSE5 HIGH PRECISION MACHINE REAMERS 1/100.

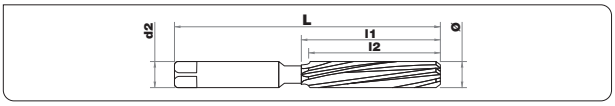
ESCARIADOR DE MÁQUINA HSSE5 GRAN PRECISIÓN 1/100.

ALESATORE CENTESIMALE A MACCHINA HSS-E5.

#06

HSS E5 | BRIGHT UNCOATED | NFE 66014 | Z 4-8

10° | SPECIAL



AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

IJ Cast iron
Fundiciones
Ghisa

8040231	EAN	Ø > Ø	d2	L	l1	l2	Z	QTY	PCB
0,7 - 0,79		0,7 - 0,79	=Ø	33	10	7	4	1	1
0,8 - 1,05		0,8 - 1,05	=Ø	38	14	12	4	1	1
1,6 - 1,31		1,06 - 1,31	=Ø	40	24	15	6	1	1
1,32 - 1,44		1,32 - 1,44	=Ø	40	24	15	6	1	1
1,45 - 1,50		1,45 - 1,50	=Ø	43	26	18	6	1	1
1,51 - 1,7		1,51 - 1,7	=Ø	43	26	18	6	1	1
1,71 - 1,79		1,71 - 1,79	=Ø	43	26	18	6	1	1
1,8 - 1,89		1,8 - 1,89	=Ø	49	31	19	6	1	1
1,9 - 2,12		1,9 - 2,12	=Ø	49	31	19	6	1	1
2,13 - 2,36		2,13 - 2,36	=Ø	49	31	19	6	1	1
2,37 - 2,68		2,37 - 2,68	=Ø	57	38	20	6	1	1
2,66 - 3,35		2,66 - 3,35	=Ø	57	38	20	6	1	1
3,36 - 3,75		3,36 - 3,75	=Ø	70	47	20	6	1	1
3,76 - 4,25		3,76 - 4,25	4	75	50	24	6	1	1
4,26 - 4,75		4,26 - 4,75	4,5	80	54	25	6	1	1
4,76 - 5,3		4,76 - 5,3	5	86	59	26	6	1	1
5,31 - 5,8		5,31 - 5,8	5,5	93	65	27	6	1	1
5,81 - 6,01		5,81 - 6,01	6	101	71	28	6	1	1
6,02 - 6,7		6,02 - 6,7	6	101	71	28	6	1	1
6,71 - 7,55		6,71 - 7,55	7	109	78	31	6	1	1
7,56 - 8,5		7,56 - 8,5	8	117	84	33	6	1	1
8,51 - 8,55		8,51 - 8,55	8	117	84	33	6	1	1
8,56 - 9,5		8,56 - 9,5	9	125	88	36	6	1	1
9,51 - 9,55		9,51 - 9,55	9	125	88	36	6	1	1
9,56 - 10,6		9,56 - 10,6	10	133	97	38	6	1	1
10,61 - 11,3		10,61 - 11,3	10	133	97	38	6	1	1
11,31 - 11,8		11,31 - 11,8	12	151	110	44	6	1	1
11,81 - 12,5		11,81 - 12,5	12	151	110	44	6	1	1
12,51 - 13,2		12,51 - 13,2	12	151	110	44	8	1	1
13,97 - 14,05		13,97 - 14,05	14	160	114	47	8	1	1
14,97 - 15		14,97 - 15	14	162	115	50	8	1	1
15,01 - 15,05		15,01 - 15,05	14	162	115	50	8	1	1
15,97 - 16		15,97 - 16	16	170	120	52	8	1	1
16,01 - 16,05		16,01 - 16,05	16	170	120	52	8	1	1
17,97 - 18		17,97 - 18	16	182	132	56	8	1	1
18,01 - 18,05		18,01 - 18,05	16	182	132	56	8	1	1
19,97 - 20		19,97 - 20	16	195	150	60	8	1	1
20,01 - 20,05		20,01 - 20,05	16	195	150	60	8	1	1

HSS BRIDGE REAMERS. 5 FLUTE. MORSE TAPER SHANK.

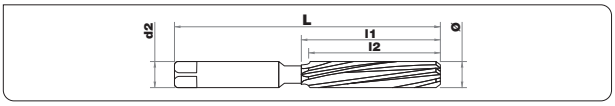
ESCARIADOR DE MÁQUINA HSS. 5 CORTES. MANGO CÓNICO.

ALESATORE A MACCHINA HSS PER LAMIERA, 5 TAGLI, CONO MORSE.

#06

HSS | BRIGHT UNCOATED | NFE 66016 | Z5

20° | k11



A Heat Treatable Steels <400N/mm²
Aceros aleados y tratados < 400N/mm²
Acciai per trattamento termico <400N/mm²

B Heat Treatable Steels <700N/mm²
Aceros aleados y tratados < 700N/mm²
Acciai per trattamento termico <700N/mm²

8040151	EAN	Ø	L	l1	l2	CM	QTY	PCB
804015110600	3221910648701	6	151	75	30	CM1	1	1
804015110800	3221910648718	8	161	85	34	CM1	1	1
804015110900	3221910648725	9	166	90	36	CM1	1	1
804015111000	3221910648732	10	171	95	38	CM1	1	1
804015111100	3221910648749	11	176	100	40	CM1	1	1
804015111200	3221910648756	12	181	105	42	CM1	1	1
804015111300	3221910648763	13	181	105	42	CM1	1	1
804015121200	3221910648770	12	105	105	42	CM2	1	1
804015121300	3221910648787	13	199	115	42	CM2	1	1
804015121400	3221910648794	14	209	125	46	CM2	1	1
804015121500	3221910648800	15	219	125	50	CM2	1	1
804015121600	3221910648817	16	229	135	54	CM2	1	1
804015121700	3221910648824	17	229	135	54	CM2	1	1
804015121800	3221910648831	18	239	145	58	CM2	1	1
804015121900	3221910648848	19	239	145	58	CM2	1	1
804015122000	3221910648855	20	249	155	62	CM2	1	1
804015122100	3221910648862	21	249	155	62	CM2	1	1
804015131900	3221910648879	19	261	145	58	CM3	1	1
804015132000	3221910648886	20	271	155	62	CM3	1	1
804015132100	3221910648893	21	271	155	62	CM3	1	1
804015132200	3221910648909	22	281	165	66	CM3	1	1
804015132300	3221910648916	23	281	165	66	CM3	1	1
804015132400	3221910648923	24	296	180	72	CM3	1	1
804015132500	3221910648930	25	296	180	72	CM3	1	1
804015132600	3221910648947	26	296	180	72	CM3	1	1
804015132700	3221910648954	27	311	195	78	CM3	1	1
804015132800	3221910648961	28	311	195	78	CM3	1	1
804015142800	3221910648985	28	339	195	78	CM4	1	1
804015142900	3221910648992	29	339	195	78	CM4	1	1
804015143000	3221910649005	30	354	195	78	CM4	1	1
804015143100	3221910649012	31	354	210	84	CM4	1	1
804015143200	3221910649029	32	354	210	84	CM4	1	1
804015143300	3221910649036	33	364	210	84	CM4	1	1
804015143400	3221910649043	34	364	210	88	CM4	1	1
804015143500	3221910649050	35	364	220	88	CM4	1	1
804015143600	3221910649067	36	364	220	88	CM4	1	1
804015143700	3221910649074	37	364	220	88	CM4	1	1
804015143800	3221910649081	38	374	230	92	CM4	1	1
804015144000	3221910649098	40	374	230	92	CM4	1	1

HSSE5 MACHINE REAMERS.
STRAIGHT. MORSE TAPER SHANK.

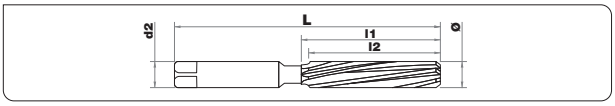
ESCARIADOR DE MÁQUINA HSS
RECTO. MANGO CÓNICO.

ALESATORE A MACCHINA HSS-E5,
TAGLI DIRITTI, CONO MORSE.

#06

HSS E5 | BRIGHT UNCOATED | NFE 66015 | 0°

m5



AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

IJ Cast iron
Fundiciones
Ghisa

8040161	EAN	Ø	L	l1	l2	CM	QTY	PCB
80401610600	3221910649722	6	138	72	28	CM1	1	1
80401610700	3221910649739	7	150	84	31	CM1	1	1
80401610800	3221910649746	8	156	90	33	CM1	1	1
80401610900	3221910649760	9	162	96	36	CM1	1	1
80401611000	3221910649777	10	168	102	38	CM1	1	1
80401611100	3221910649784	11	175	109	41	CM1	1	1
80401611200	3221910649791	12	182	116	44	CM1	1	1
80401611300	3221910649807	13	182	116	44	CM1	1	1
80401611400	3221910649814	14	189	123	47	CM1	1	1
80401611500	3221910649821	15	204	124	50	CM2	1	1
80401611600	3221910649838	16	210	130	52	CM2	1	1
80401611700	3221910649845	17	214	134	54	CM2	1	1
80401611800	3221910649852	18	219	139	56	CM2	1	1
80401611900	3221910649869	19	223	143	58	CM2	1	1
80401612000	3221910649876	20	228	148	60	CM2	1	1
80401612100	3221910649883	21	232	152	62	CM2	1	1
80401612200	3221910649890	22	237	157	64	CM2	1	1
80401612300	3221910649906	23	241	161	66	CM2	1	1
80401612400	3221910649913	24	268	169	68	CM2	1	1
80401612500	3221910649920	25	268	169	68	CM3	1	1
80401612600	3221910649937	26	273	174	70	CM3	1	1
80401612700	3221910649944	27	277	178	71	CM3	1	1
80401612800	3221910649951	28	277	178	71	CM3	1	1
80401612900	3221910649968	29	281	181	73	CM3	1	1
80401613000	3221910649975	30	281	182	73	CM3	1	1
80401613200	3221910649982	32	317	193	77	CM4	1	1
80401613500	3221910649999	35	321	197	78	CM4	1	1
80401614000	3221910650001	40	329	205	81	CM4	1	1
80401614500	3221910650018	45	336	212	83	CM4	1	1
80401615000	3221910650025	50	344	220	86	CM4	1	1

HSSE5 MACHINE REAMERS. SPIRAL FLUTE. MORSE TAPER SHANK.

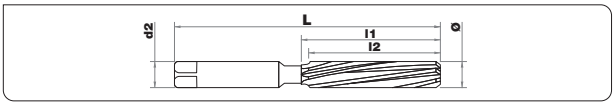
ESCARIADOR DE MÁQUINA HSS HELICOIDAL. MANGO CÓNICO.

ALESATORE A MACCHINA HSS-E5, ELICOIDALE, CONO MORSE.

#06

HSS E5 | BRIGHT UNCOATED | NFE 66015 | 10°

m5



AB Steels for heat treatment 200-700N/mm²
Aceros para tratamiento térmico 200-700 N/mm²
Acciai per trattamento termico 200-700N/mm²

CDE Steels for heat treatment 700-1400N/mm²
Aceros para tratamiento térmico 700-1400 N/mm²
Acciai per trattamento termico 700-1400N/mm²

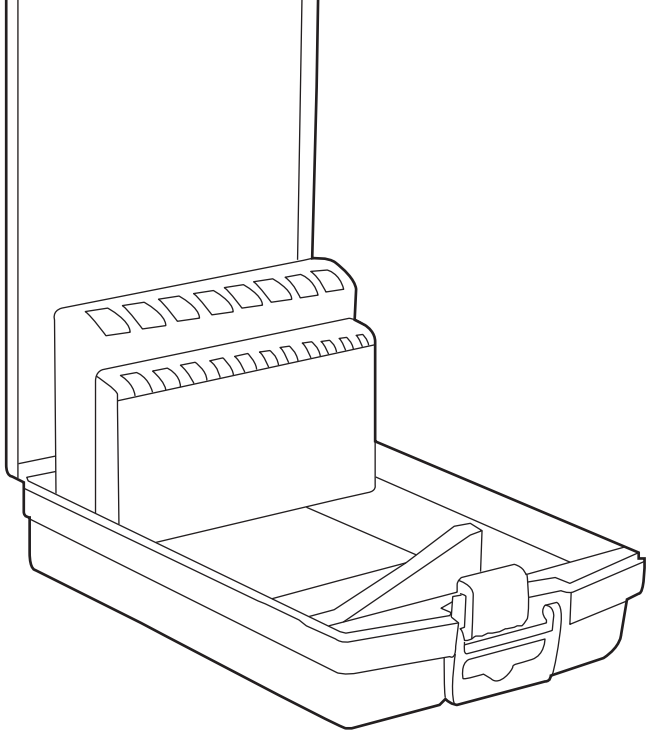
FGH Stainless Steel
Aceros inoxidables
Acciai inossidabili

8040171	EAN	Ø	L	l1	l2	CM	QTY	PCB
80401710600	3221910650636	6	138	72	28	CM1	1	1
80401710700	3221910650643	7	150	84	31	CM1	1	1
80401710800	3221910650650	8	156	90	33	CM1	1	1
80401710900	3221910650667	9	162	96	36	CM1	1	1
80401711000	3221910650674	10	168	102	38	CM1	1	1
80401711100	3221910650681	11	175	109	41	CM1	1	1
80401711200	3221910650698	12	182	116	44	CM1	1	1
80401711300	3221910650704	13	182	116	44	CM1	1	1
80401711400	3221910650711	14	189	123	47	CM1	1	1
80401711500	3221910650728	15	204	124	50	CM2	1	1
80401711600	3221910650735	16	210	130	52	CM2	1	1
80401711700	3221910650742	17	214	134	54	CM2	1	1
80401711800	3221910650759	18	219	139	56	CM2	1	1
80401711900	3221910650766	19	223	143	58	CM2	1	1
80401712000	3221910650773	20	228	148	60	CM2	1	1
80401712100	3221910650780	21	232	152	62	CM2	1	1
80401712200	3221910650797	22	237	157	64	CM2	1	1
80401712300	3221910650803	23	241	161	66	CM2	1	1
80401712400	3221910650810	24	268	169	68	CM2	1	1
80401712500	3221910650827	25	268	169	68	CM3	1	1
80401712600	3221910650834	26	273	174	70	CM3	1	1
80401712700	3221910650841	27	277	178	71	CM3	1	1
80401712800	3221910650858	28	277	178	71	CM3	1	1
80401712900	3221910650865	29	281	181	73	CM3	1	1
80401713000	3221910650872	30	281	182	73	CM3	1	1
80401713200	3221910650889	32	317	193	77	CM4	1	1
80401713500	3221910650896	35	321	197	78	CM4	1	1
80401714000	3221910650902	40	329	205	81	CM4	1	1
80401714500	3221910650919	45	336	212	83	CM4	1	1
80401715000	3221910650926	50	344	220	86	CM4	1	1

GENE-
RAL
CATALOGUE

SETS
ESTUCHES
COFANETTI

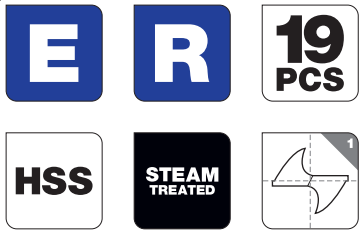
#07/08



SETS
ESTUCHES
COFANETTI

#07

SET | E | R



19 metal drills HSS Roll forged Ø 1>10 mm 1/2 mm

ESTUCHE | E | R

19 brocas metal HSS laminadas Ø 1>10 mm 1/2 mm

CASSETTA | E | R

90200170002

3221910104665

QTY	PCB	€
19	1	

AB

19 punte HSS laminate Ø da 1 a 10 mm 1/2 mm

SET | G | R

25 metal drills HSS Roll forged Ø 1>13 mm 1/2 mm

ESTUCHE | G | R

25 brocas metal HSS laminadas Ø 1>13 mm 1/2 mm

CASSETTA | G | R

90200170003

3221910104672

QTY	PCB	
25	1	

AB

25 punte HSS laminate Ø da 1 a 13 mm 1/2 mm

SET | FHX

12 metal drills HSS hexa shank 1/4" Ø 3>7 mm 1/2+8+9+10 mm

ESTUCHE | FHX

12 metal drills HSS hexa shank 1/4" Ø 3>7 mm 1/2+8+9+10 mm

CASSETTA | FHX

11437070001

3221910881580

QTY	PCB	
12	1	

AB KLM P

12 punte HSS con attacco esagonale 1/4" Ø da 3 a 7 mm in incrementi da 1/2+8+9+10 mm

SET | E | T

19 metal drills split point HSS Ø 1>10 mm 1/2

ESTUCHE | E | T

19 brocas metal punta en cruz HSS Ø 1>10 mm x 1/2

CASSETTA | E | T

11452070005

3221910837563

QTY	PCB	
19	1	

AB

19 punte HSS affilatura a croce Ø da 1 a 10 mm in incrementi da 1/2

#07

SET | G | T

25 metal drills split point HSS Ø 1>13 mm 1/2

ESTUCHE | G | T

25 brocas metal punta en cruz HSS Ø 1>13 mm 1/2

CASSETTA | G | T

11452070007

3221910837570

QTY	PCB
25	1

AB

25 punte affilatura a croce Ø da 1 a 13 mm in incrementi da 1/2

SET | E | TSX

19 metal drills split point HSS Ø 1>10 mm 1/2

ESTUCHE | E | TSX

19 brocas metal punta en cruz HSS Ø 1>10 mm x 1/2

CASSETTA | E | TSX

11453070005

3221910852412

QTY	PCB
19	1

AB C

19 punte HSS affilatura a croce Ø da 1 a 10 mm in incrementi da 1/2

SET | G | TSX

25 metal drills split point HSS Ø 1>13 mm 1/2

ESTUCHE | G | TSX

25 brocas metal punta en cruz HSS Ø 1>13 mm 1/2

CASSETTA | G | TSX

11453070007

3221910852429

QTY	PCB
25	1

AB C

25 punte affilatura a croce Ø da 1 a 13 mm in incrementi da 1/2

SET | V170 | TSX

170 metal drills split point HSS Ø 1>10mm 1/2 (Ø 1>8x10 pcs) (Ø 8,5>10x5 pcs)

ESTUCHE | V170 | TSX

170 brocas metal punta en cruz HSS Ø 1>10 mm x1/2 (Ø 1>8x10 pcs) (Ø 8,5>10x5 pcs)

CASSETTA | V170 | TSX

11453070024

3221910899202

QTY	PCB
170	1

AB C

170 punte affilatura a croce HSS Ø da 1 a 10 mm in incrementi da 1/2 (Ø da 1 a 8x10 pz.) (Ø da 8,5 a 10x5 pz.)

#07

SET | V220 | TSX

V 222 · TSX · 222 PCS · HSS · STEAM TREATED · 4

222 metal drills split point HSS Ø 1>13mm 1/2+3,3+4,2 (Ø 4 5x20 pcs) (Ø 1>8x10 pcs) (Ø 8,5>10x5 pcs) (10,5>13x2 pcs)

ESTUCHE | V220 | TSX

222 brocas metal punta en cruz HSS Ø 1>13mm x1/2+3,3+4,2 (Ø 4 5x20 pcs) (Ø 1>8x10 pcs) (Ø 8,5>10x5 pcs) (10,5>13x2 pcs)

CASSETTA | V220 | TSX

11453070026

3221910854157

QTY	PCB
222	1

AB · C

222 punte affilatura a croce HSS Ø da 1 a 13 mm in incrementi da 1/2+3,3+4,2 (Ø 4 e 5x20 pz.) (Ø da 1 a 8x10 pz.) (Ø da 8,5 a 10x5 pz.) (da 10,5 a 13x2 pz.)

SET | E | 001

E · 001 · 19 PCS · HSS · STEAM TREATED · 1

19 forets HSS Ø 1>10 mm 1/2

ESTUCHE | E | 001

19 forets HSS Ø 1>10 mm par 1/2

CASSETTA | E | 001

11400170035

322191866471

QTY	PCB
19	1

AB · C · H

19 punte HSS Ø da 1 a 10 mm in incrementi da 1/2 mm

SET | G | 001

G · 001 · 25 PCS · HSS · STEAM TREATED · 1

25 metal drills HSS Ø 1>13 mm par 1/2

ESTUCHE | G | 001

25 brocas metal HSS Ø 1>13 mm x1/2

CASSETTA | G | 001

11400170037

3221910866488

QTY	PCB
25	1

AB · C · H

25 punte HSS Ø da 1 a 13 mm in incrementi da 1/2 mm

SET | F | 001

F · 001 · 32 PCS · HSS · STEAM TREATED · 1

32 metal drills HSS Ø 1>10,5 mm 1/2+1, 9/2,1/2,6/2,9/3,2/3,3/3,8/4,2/5,1/6,8/7,9/10,2 mm

ESTUCHE | F | 001

32 brocas metal HSS Ø 1>10,5 mm x1/2 +1,9/2,1/2,6/2,9/3,2/3,3/3,8/4,2/5,1/6,8/7 ,9/10,2 mm

CASSETTA | F | 001

11400170009

3221910008000

QTY	PCB
32	1

AB · C · H

32 punte HSS Ø da 1 a 10,5 mm in incrementi da 1/2+1,9/2,1/2,6/2,9/3,2/3,3/3,8/4 ,2/5,1/6,8/7,9/10,2 mm

#07

SET | D | 001

D 001 41 PCS

HSS STEAM TREATED 1

41 metal drills HSS Ø 6>10 mm x1/10

ESTUCHE | D | 001

41 brocas metal HSS Ø 6>10 mm x1/10

CASSETTA | D | 001

11400170011

3221910008024

QTY	PCB
41	1

AB C H

41 punte HSS Ø 6 a 10 mm in incrementi da 1/10

SET | C | 001

C 001 51 PCS

HSS STEAM TREATED 1

51 metal drills HSS Ø 1>6 mm 1/10

ESTUCHE | C | 001

51 brocas metal HSS Ø 1>6 mm x1/10

CASSETTA | C | 001

11400170010

3221910008017

QTY	PCB
51	1

AB C H

51 punte HSS Ø da 1 a 6 mm in incrementi da 1/10

SET | Z | 001

Z 001 81 PCS

HSS STEAM TREATED 1

81 metal drills HSS Ø 2>10 mm x1/10

ESTUCHE | Z | 001

81 brocas metal HSS Ø 2>10 mm x1/10

CASSETTA | Z | 001

11400170012

3221910008031

QTY	PCB
81	1

AB C H

81 punte HSS Ø da 2 a 10 mm in incrementi da 1/10

SET | BUMPER | TZX

BUMPER TZX 25 PCS

HSS FLAM COATED 4

25 metal drills HSS FLAM Ø 2>9 mm 1/2 Ø 10 13x1+3,2+4,2+6,8+(Ø 3, 4, 5x2pcs)+1 countersink Ø 15 mm

ESTUCHE | BUMPER | TZX

25 brocas metal HSS FLAM Ø 2>9 mm x1/2 Ø 10>13x1+3,2+4,2+6,8+(Ø 3, 4, 5x2 pcs)+1 avellanadores Ø 15 mm

CASSETTA | BUMPER | TZX

11454070002

3221910857790

QTY	PCB
25	1

AB C H

25 punte HSS FLAM Ø da 2 a 9 mm in incrementi da 1/2 Ø da 10 a 13 in incrementi da 1+3,2+4,2+6,8+(Ø 3, 4, 5x2 pz.)+1 fresa per accecare Ø 15 mm

#07

SET | REVERSO | TZX

RE VERSO · TZX · 25 PCS · HSS · FLAM COATED · 4

25 metal drills HSS FLAM Ø 1>9 mm 1/2+3,3+4,2+6,8+Ø 10>13 1+10,2

ESTUCHE | REVERSO | TZX

25 brocas metal HSS FLAM Ø 1>9 mm x1/2+3,3+4,2+6,8+Ø 10>13x1+10,2

CASSETTA | REVERSO | TZX

11454070003

3221910897628

QTY	PCB
25	1

AB · C · H

25 punte HSS Ø da 1 a 9 mm in incrementi da 1/2+3,3+4,2+6,8+Ø 10 a 13 in incrementi da 1+10,2

SET | E | TZX

E · TZX · 19 PCS · HSS · FLAM COATED · 4

19 metal drills HSS FLAM Ø 1>10 mm/1/2

ESTUCHE | E | TZX

19 brocas metal HSS FLAM Ø 1>10 mm x1/2

CASSETTA | E | TZX

11454070005

3221910849320

QTY	PCB
19	1

AB · C · H

19 punte HSS FLAM Ø da 1 a 10 mm in incrementi da 1/2

SET | 213 | TZX

213 · TZX · 17 PCS · HSS · FLAM COATED · 4

17 metal drills HSS FLAM Ø 2>7/0,5mm+8 à 13 mm/1 mm

ESTUCHE | 213 | TZX

17 brocas metal HSS FLAM Ø 2>7/0,5 mm+8>13 mm x1 mm

CASSETTA | 213 | TZX

11454070006

3221910853150

QTY	PCB
17	1

AB · C · H

17 punte HSS FLAM Ø da 2 a 7/0,5 mm+da 8 a 13 mm in incrementi da 1 mm

SET | G | TZX

G · TZX · 25 PCS · HSS · FLAM COATED · 4

25 metal drills HSS FLAM Ø 1>13 mm/1/2

ESTUCHE | G | TZX

25 brocas metal HSS FLAM Ø 1>13 mm x 1/2

CASSETTA | G | TZX

11454070007

3221910849337

QTY	PCB
25	1

AB · C · H

25 punte HSS FLAM Ø da 1 a 13 mm in incrementi da 1/2

#07

SET | F | TZX

F TZX 32 PCS

HSS FLAM COATED 4

32 metal drills HSS FLAM Ø 1>10,5 mm/ 1/2+1,9/2,1/2,6/2,9/3,2/3,3/3,8/4,2/5,1/6 ,8/7,9/10,2

ESTUCHE | F | TZX

32 brocas metal HSS FLAM Ø 1>10,5 mm x1/2+1,9/2,1/2,6/2,9/3,2/3,3/3,8/4,2/5,1/6 ,8/7,9/10,2

CASSETTA | F | TZX

11454070009

3221910853167

QTY	PCB
32	1

AB C H

32 punte HSS FLAM Ø da 1 a 10,5 mm in incrementi da 1/2+1,9/2,1/2,6/2,9/3,2/3,3/ 3,8/4,2/5,1/6,8/7,9/10,2

SET | C | TZX

C TZX 51 PCS

HSS FLAM COATED 4

51 metal drills HSS FLAM Ø 1>6 mm/1/10

ESTUCHE | C | TZX

51 brocas metal HSS FLAM Ø 1>6 mm x1/10

CASSETTA | C | TZX

11454070010

3221910853174

QTY	PCB
51	1

AB C H

51 punte HSS FLAM Ø da 1 a 6 mm in incrementi da 1/10

SET | D | TZX

D TZX 41 PCS

HSS FLAM COATED 4

41 metal drills HSS FLAM Ø 6>10 mm/1/10

ESTUCHE | D | TZX

41 brocas metal HSS FLAM Ø 6>10 mm x1/10

CASSETTA | D | TZX

11454070011

3221910853181

QTY	PCB
41	1

AB C H

41 punte HSS FLAM Ø da 6 a 10 mm in incrementi da 1/10

SET | Z | TZX

Z TZX 31 PCS

HSS FLAM COATED 4

81 metal drills HSS FLAM Ø 2>10 mm/1/10

ESTUCHE | Z | TZX

81 brocas metal HSS FLAM Ø 2>10 mm x1/10

CASSETTA | Z | TZX

11454070012

3221910853198

QTY	PCB
31	1

AB C H

81 punte HSS FLAM Ø da 2 a 10 mm in incrementi da 1/10

#07

SET | V222 | TZX

V 222 · TZX · 222 PCS · HSS · FLAM COATED · 4

222 metal drills HSS FLAM Ø 1>13mm/1/2+3,3+4,2.(Ø 4 - 5x20 pcs) (Ø 1>8x10 pcs) (Ø 8,5>10x5pcs) (10,5>13x2 pcs)

ESTUCHE | V222 | TZX

222 brocas metal HSS FLAM Ø 1>13 mm x1/2+3,3+4,2 (Ø 4 - 5x20 pcs) (Ø 1>8x10 pcs) (Ø 8,5>10x5 pcs) (10,5>13x2 pcs)

CASSETTA | V222 | TZX

11454070026

3221910853204

QTY	PCB
222	1

AB · C · H

222 punte HSS FLAM Ø da 1 a 13 mm in incrementi da 1/2+3,3+4,2 (Ø 4 - 5x20 pz.) (Ø da 1 a 8x10 pz.) (Ø da 8,5 a 10x5 pz.) (da 10,5 a 13x2 pz.)

SET | E | TC

E · TC · 19 PCS · HSCOB · GOLD TREATED · 4

19 metal drills HSCOB Ø 1>10 mm/1/2

ESTUCHE | E | TC

19 brocas metal HSCOB Ø 1>10 mm x1/2

CASSETTA | E | TC

11455070005

3221910837587

QTY	PCB
19	1

AB · C

19 punte HSCOB Ø da 1 a 10 mm in incrementi da 1/2

SET | G | TC

G · TC · 25 PCS · HSCOB · GOLD TREATED · 4

25 metal drills HSCOB Ø 1>13 mm/1/2

ESTUCHE | G | TC

25 brocas metal HSCOB Ø 1>13 mm x1/2

CASSETTA | G | TC

11455070007

3221910837594

QTY	PCB
25	1

AB · C

25 punte HSCOB Ø da 1 a 13 mm in incrementi da 1/2

SET | E | TBX 4F

E · TBX 4F · 19 PCS · HSCOB · BLADE COATED · 4

19 metal drills HSCOB Blade 4 facet point Ø 1>10 mm/1/2

ESTUCHE | E | TBX 4F

19 brocas metal HSCOB Blade 4 caras Ø 1>10 mm x1/2

CASSETTA | E | TBX 4F

11456170005

3221912004543

QTY	PCB
19	1

H · C

19 punte HSCOB Blade 4 listelli Ø da 1 a 10 mm in incrementi da 1/2

#07

SET | G | TBX 4F

G | TBX 4F | 25 PCS

HSCOB | BLADE COATED | 4

25 metal drills HSCOB facet point 4 faces Ø 1>13 mm/1/2

ESTUCHE | G | TBX 4F

25 brocas metal HSCOB Blade 4 caras Ø 1>13 mm x1/2

CASSETTA | G | TBX 4F

11456170007

3221912004550

QTY	PCB
25	1

H | C

25 punte HSCOB Blade 4 listelli Ø da 1 a 13 mm in incrementi da 1/2

SET | E | CUTINOX 4F

E | CUTINOX 4F | 19 PCS

HSCOB | BRIGHT UNCOATED | 4

19 metal drills HSCOB 4 facet point Ø 1>10 mm/1/2

ESTUCHE | E | CUTINOX 4F

19 brocas metal HSCOB 4 caras Ø 1>10 mm x1/2

CASSETTA | E | CUTINOX 4F

11455870005

3221912002785

QTY	PCB
19	1

H | F | G

19 punte HSCOB Ø 4 listelli da 1 a 10 mm in incrementi da 1/2

SET | G | CUTINOX 4F

G | CUTINOX 4F | 25 PCS

HSCOB | BRIGHT UNCOATED | 4

25 metal drills HSCOB 4 facet point Ø 1>13 mm/1/2

ESTUCHE | G | CUTINOX 4F

25 brocas metal HSCOB 4 caras Ø 1>13 mm x1/2

CASSETTA | G | CUTINOX 4F

11455870007

3221912002792

QTY	PCB
25	1

H | F | G

25 punte HSCOB Ø 4 listelli da 1 a 13 mm in incrementi da 1/2

SET | PS19 | LAZER

PS 19 | LAZER | 19 PCS

HSS E8 | BRIGHT UNCOATED | 4

19 metal drills HSS-E8 Ø 1>10 mm/1/2

ESTUCHE | PS19 | LAZER

19 brocas metal HSS-E8 Ø 1>10 mm x1/2

CASSETTA | PS19 | LAZER

81401670005

3221910403706

QTY	PCB
19	1

ARCo ARNi Ti

19 punte HSS-E8 Ø da 1 a 10 mm in incrementi da 1/2

#07

SET | PS25 | TZX

PS 25 | TZX | 25 PCS | HSS E8 | BRIGHT UNCOATED | 4

25 metal drills HSS-E8 Ø 1 >13 mm/1/2

ESTUCHE | PS25 | TZX

25 brocas metal HSS-E8 Ø 1 >13 mm x1/2

CASSETTA | PS25 | TZX

81401670007

3221910403720

QTY	PCB
25	1

ARCo ARNi | Ti

25 punte HSS-E8 Ø da 1 a 13 mm in incrementi da 1/2

SET | FCE430 | FCE

FCE 430 | FCE | 03 PCS | HSS | TiAlN COATED | 4

3 step drills HSS TiAlN 4-12 4-20 4-30

ESTUCHE | FCE430 | FCE

3 brocas escanoladas HSS TiAlN 4-12 4-20 4-30

CASSETTA | FCE430 | FCE

11438770001

3221910285937

QTY	PCB
3	1

C

3 punte multidiametro HSS TiAlN 4-12 4-20 4-30

SET | FCE637 | FCE

FCE 637 | FCE | 03 PCS | HSS | TiAlN COATED | 4

3 step drills HSS TiAlN 4-12 4-20 6-37

ESTUCHE | FCE637 | FCE

3 brocas escanoladas HSS TiAlN 4-12 4-20 6-37

CASSETTA | FCE637 | FCE

11438770002

3221910780517

QTY	PCB
3	1

C

3 punte multidiametro HSS TiAlN 4-12 4-20 6-37

SET | FCE430 | FCE

FCE 430 | FCE | 03 PCS | HSS E5 | TiAlN COATED | 4

3 step drills HSS E TiAlN 4-12 4-20 4-30

ESTUCHE | FCE430 | FCE

3 brocas escanoladas HSS E TiAlN 4-12 4-20 4-30

CASSETTA | FCE430 | FCE

11448770001

3221910843298

QTY	PCB
3	1

AB | C | FGH

3 punte multidiametro HSS E TiAlN 4-12 4-20 4-30

#07

SET | FCE637 | FCE

FCE 637 · FCE · 03 PCS · HSS E5 · TiAlN COATED · 4

3 step drills HSS E TiAlN 4-12 4-20 6-37

ESTUCHE | FCE637 | FCE

3 brocas escanoladas HSS E TiAlN 4-12 4-20 6-37

CASSETTA | FCE637 | FCE

11448770002

3221910843304

QTY	PCB
3	1

AB · C · FGH

3 punte multidiametro HSS E TiAlN 4-12 4-20 6-37

SET | SGX

SGX · DIN 371/376 · 14 PCS · HSS · 4

7 taps HSS GUN DiN 371/376 M3 à M12+7 drills TZX

ESTUCHE | SGX

7 machos HSS GUN DiN 371/376 M3 à M12+7 brocas TZX HSS FLAM SGX

CASSETTA | SGX

11900170011

3221910228729

QTY	PCB
14	1

AB

7 maschi HSS GUN DiN 371/376 da M3 a M12+7 punte TZX

SET | TGA

TGA · DIN 371/376 · 14 PCS · HSS E · 4

7 taps HSS E GUN M3 DiN 371/376 à M12+7 metal drills HSS

ESTUCHE | TGA

7 machos HSS E GUN DiN 371/376 M3>M12+7 brocas metal HSS

CASSETTA | TGA

81900170020

3221910852696

QTY	PCB
14	1

AB

7 maschi HSS E GUN DiN 371/376 da M3 a M12+7 punte HSS TGA

SET | BUMPER

BUMPER · DIN 371/376 · 27 PCS · HSS E · 4

20 metal drills TZX HSS FLAM Ø 2>10,2 mm +7 taps HSS E GUN DIN 371/376 M3>M12

ESTUCHE | BUMPER

20 brocas TZX HSS FLAM Ø 2>10,2 mm +7 machos HSS E GUN DIN 371/376 M3>M12

CASSETTA | BUMPER

11900170018

3221910868451

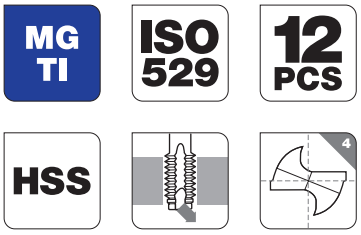
QTY	PCB
27	1

AB

20 punte TZX HSS FLAM Ø da 2 a 10,2 mm +7 maschi HSS E GUN DIN 371/376 da M3 a M12

#07

SET | MGTI



6 taps HSS GUN ISO529 M4>M10+6 metal drills TBX HSCOB Blade

ESTUCHE | MGTI

6 machos HSS GUN ISO529 M4>M10+6 brocas metal TBX HSCOB Blade

CASSETTA | MGTI

11900170023

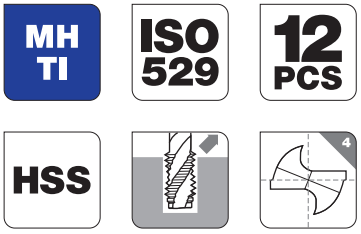
3221910900632

QTY	PCB
12	1

AB C H

6 maschi HSS GUN ISO529 da M4 a M10+6 punte TBX HSCOB Blade

SET | MHTI



6 taps HSS HELICO ISO529 M4>M10+6 metal drills TBX HSCOB Blade

ESTUCHE | MHTI

6 machos HSS HELICO ISO529 M4>M10+6 brocas metal TBX HSCOB Blade

CASSETTA | MHTI

11900170024

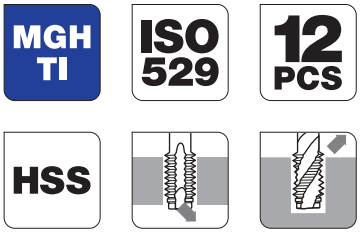
3221910900649

QTY	PCB
12	1

AB C H

6 maschi HSS HELICO ISO529 da M4 a M10+6 punte TBX HSCOB Blade

SET | MGHTI



6 taps GUN + 6 taps HELICO HSS ISO529 M4 à M10

ESTUCHE | MGHTI

6 machos GUN + 6 machos HELICO HSS ISO529 M4>M10

CASSETTA | MGHTI

11900170027

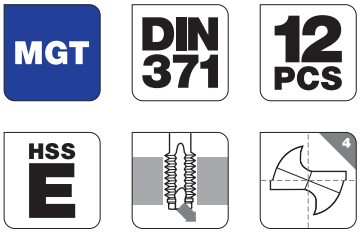
3221910900670

QTY	PCB
12	1

AB C H

6 maschi GUN + 6 maschi HELICO HSS ISO529 da M4 a M10

SET | MGTD



6 taps HSSE GUN DiN371 M4>M10 + 6 metal drills TBX HSCOB Blade

ESTUCHE | MGTD

6 machos HSSE GUN DiN371 M4>M10 + 6 brocas metal TBX HSCOB Blade

CASSETTA | MGTD

11900170025

3221910900656

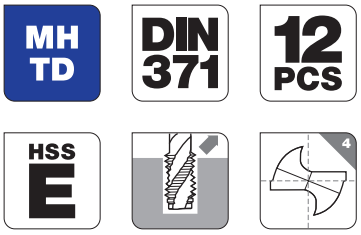
QTY	PCB
12	1

AB C H

6 maschi HSSE GUN DiN371 da M4 a M10 + 6 punte TBX HSCOB Blade

#07

SET I MHTD



6 taps HSSE HELICO DiN371 M4>M10 + 6 metal drills TBX HSCOB Blade

ESTUCHE I MHTD

6 machos HSSE HELICO DiN371 M4>M10 + 6 brocas metal TBX HSCOB Blade

CASSETTA I MHTD

11900170026

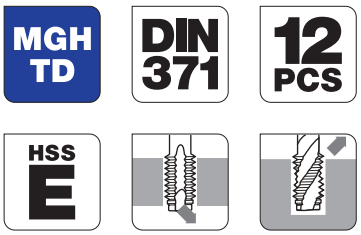
3221910900663

QTY	PCB
12	1

AB C H

6 maschi HSSE HELICO DiN371 da M4 a M10 + 6 punte TBX HSCOB Blade

SET I MGHTD



6 taps GUN + 6 taps HELICO HSSE DIN371 M4 à M10

ESTUCHE I MGHTD

6 machos GUN + 6 machos HELICO HSSE DIN371 M4>M10

CASSETTA I MGHTD

11900170028

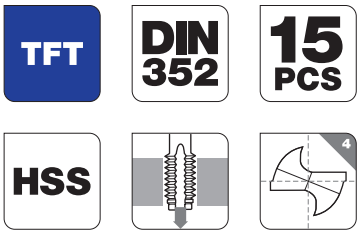
3221910900687

QTY	PCB
12	1

AB C H

6 maschi GUN + 6 maschi HELICO HSSE DIN371 da M4 a M10

SET I TFT



7 taps HSS DiN 352 Steam M3 à M12 + 7 drills TSX HSS + 1 TAG

ESTUCHE I TFT

7 machos HSS DiN 352 Steam M3 à M12 + 7 brocas TSX HSS + 1 TAG

CASSETTA I TFT

11900170029

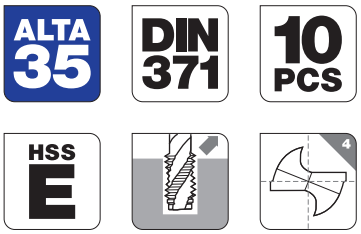
3221912000064

QTY	PCB
15	1

AB H

7 maschi HSS DiN 352 Steam da M3 a M12 + 7 punte TSX HSS + 1 TAG

SET I ALTA35



5 taps HSS E HELICO 35° DiN 371 M4 à M10+5 metal drills HSS

ESTUCHE I ALTA35

5 machos HSS E HELICO 35° DiN 371 M4>M10+5 brocas metal HSS

CASSETTA I ALTA35

81900170017

3221910852696

QTY	PCB
10	1

AB

5 maschi HSS E HELICO 35° DiN 371 da M4 a M10+5 punte HSS

#07

SET | ALTAGUN

ALTA GUN | DIN 371 | 10 PCS

HSS E

5 taps HSS E GUN DiN 371 M4>M10+5 metal drills HSS

ESTUCHE | ALTAGUN

5 machos HSS E GUN DiN 371 M4>M10+5 brocas metal HSS

CASSETTA | ALTA GUN

81900170018

3221910852702

QTY	PCB
10	1

AB

5 maschi HSS E GUN DiN 371 da M4 a M10+5 punte HSS

SET | HELINOX

HELINOX | DIN 371 | 10 PCS

HSS EE

5 taps HSS EE HELICO 35° DiN 371 M4>M10+5 metal drills HSCob

ESTUCHE | HELINOX

5 machos HSS EE HELICO 35° DiN 371 M4>M10+5 brocas metal HSCob

CASSETTA | HELINOX

81900170007

3221910522513

QTY	PCB
10	1

CDE | FGH

5 maschi HSS EC HELICO 35° DiN 371 da M4 a M10+5 punte HSCob

SET | GUNOX

GUNOX | DIN 371 | 10 PCS

HSS EE

5 taps HSS EE GUN DiN 371 M4>M10+5 metal drills HSCob

ESTUCHE | GUNOX

5 machos HSS EE GUN DiN 371 M4>M10+5 brocas metal HSCob

CASSETTA | GUNOX

81900170008

3221910522520

QTY	PCB
10	1

CDE | FGH

5 maschi HSS EE GUN DiN 371 da M4 a M10+5 punte HSCob

SET | FTH

FTH | HEXA | 07 PCS

HSS | BRIGHT UNCOATED | 118°

6 drills taps combi HSS M3 M4 M5 M6 M8 M10 hexa shank 1/4"+1 BH

ESTUCHE | FTH

6 brocas-machos avellanador HSS M3 M4 M5 M6 M8 M10 mango hexa 1/4"+1 PP

CASSETTA | FTH

10502970001

3221910881658

QTY	PCB
7	1

A

6 punte filettanti combinate HSS M3 M4 M5 M6 M8 M10 con attacco esagonale 1/4"+1 PE

#07

SET | THD

THD | HEXA | 07 PCS

HSS | BRIGHT UNCOATED

6 taps HSS M3 M4 M5 M6 M8 M10 hexa shank 1/4"+1 BH

ESTUCHE | THD

6 machos HSS M3 M4 M5 M6 M8 M10 mango hexa 1/4"+1 PP

CASSETTA | THD

10503070001

3221910881849

QTY	PCB
7	1

A

6 maschi HSS M3 M4 M5 M6 M8 M10 con attacco esagonale 1/4"+1 PE

SET | TMA

TMA | DIN 352 | 28 PCS

HSS

7 set 3 hand taps HSS DiN 352 M3>M12+7 metal drills HSS Ø 2,5/3,3/4,2/5/6,8/8,5/10,2 mm

ESTUCHE | TMA

7 x 3 roscado manual HSS DiN 352 M3>M12+7 brocas metal HSS Ø 2,5/3,3/4,2/5/6,8/8,5/ 10,2 mm

CASSETTA | TMA

81900170019

3221910852719

QTY	PCB
28	1

A B C

7 set da 3 maschi HSS DiN 352 da M3 a M12+7 punte HSS Ø 2,5/3,3/4,2/5/6,8/8,5/10,2 mm

SET | 7X3

7x3 | DIN 352 | 21 PCS

HSS

7 sets 3 hand taps HSS DIN 352 M3 à M12

ESTUCHE | 7X3

7 x 3 roscado manual HSS DiN 352 M3>M12+7 brocas metal HSS Ø 2,5/3,3/4,2/5/6,8/8,5/ 10,2 mm

CASSETTA | 7X3

80511670001

3221910876821

QTY	PCB
21	1

A B C

7 set da 3 maschi HSS DIN 352 da M3 a M12

SET | MTF31

MTF 31 | DIN 352 | 31 PCS

HSS

7 sets 3 hand taps HSS DiN 352+7 dies HSS ISO 25,4 M3 à M12+1 TW N°1,5+1 DH 25,4+1 countersink

ESTUCHE | MTF31

7 x 3 roscado manual HSS DiN 352+7 cojinetes HSS ISO 25,4 M3>M12+1 G. N°1,5+1 P. C. 25,4+1 avellanadores

CASSETTA | MTF31

11900870001

3221910300722

QTY	PCB
31	1

A B C

7 set da 3 maschi HSS DiN 352+7 trafile HSS ISO 25,4 da M3 a M12+1 G N°1,5+1 PF 25,4 +1 fresa

#07

SET | MTF20

MTF 20 | DIN 352 | 20 PCS | HSS

6 sets 2 hand taps HSS DiN 352+6 dies HSS ISO 25,4 M3 à M10+1 TW N°1,5+1 DH 25,4

ESTUCHE | MTF20

6 x 2 roscado manual HSS DiN 352+6 cojinetes HSS ISO 25,4 M3>M10+1 G. N°1,5+1 P. C. 25,4

CASSETTA | MTF20

11900870004

3221910821074

QTY	PCB
20	1

AB

6 set da 2 maschi HSS DiN 352+6 trafile HSS ISO 25, 4 da M3 a M10+1 G N°1,5+1 PF 25,4

SET | MTF30

MTF 30 | DIN 352 | 30 PCS | HSS

7 sets 2 hand taps HSS DiN 352+7 dies HSS ISO 25,4 M3 à M12+1 TW N°1,5+1 DH 25,4+7 metal drills TZX

ESTUCHE | MTF30

7 x 2 roscado manual HSS DiN 352+7 cojinetes HSS ISO 25,4 M3>M12+1G. N°1,5+1 P. C. 25,4+7 brocas TZX

CASSETTA | MTF30

11900870003

3221910547790

QTY	PCB
30	1

AB

7 set da 2 maschi HSS DiN 352+7 trafile HSS ISO 25,4 da M3 a M12+1 G N°1,5+1 PF 25,4 +7 punte TZX

SET | MTF37

MTF 37 | DIN 352 | 37 PCS | HSS

11 sets de 2 hand taps HSS DiN 352+11 dies HSS ISO 25,4/38,1 M3 à M20+2TW N°1/3+2 DH 25,4/38,1

ESTUCHE | MTF37

11 x2 roscado manual HSS DiN 352+11 cojinetes HSS ISO 25,4/38, 1 M3>M20+2 G. N°1/3+2 P. C. 25,4/38,1

CASSETTA | MTF37

11900870006

3221910860486

QTY	PCB
37	1

AB

11 set da 2 maschi HSS DiN 352+11 trafile HSS ISO 25,4/38,1 da M3 a M20+2 G N°1/3+2 PF 25,4/38,1

SET | FLH

FLH | DIN 373 | 06 PCS | HSS E5 | BRIGHT UNCOATED | 180°

6 counterbore 180° HSS E, Ø 6-8-10-11-15-18 mm

ESTUCHE | FLH

6 alojamiento tornillos 180° HSS E, Ø 6-8-10-11-15-18 mm

CASSETTA | FLH

10310370002

3221910590437

QTY	PCB
6	1

AB KLM

6 frese per lamatura 180° HSS E, Ø 6-8-10-11-15-18 mm

#07

SET | FLM

FLM | 10 PCS | HM CARB | BRIGHT UNCOATED

10 rotary burrs carbide Ø 3 mm (d1=d2=3mm)

ESTUCHE | FLM

10 fraisas rotativas metal duro Ø 3 mm (d1=d2=3mm)

CASSETTA | FLM

10316070003

3221910828325

QTY	PCB
10	1

AB | IJ | NO

10 frese a lima in carburo Ø 3 mm (d1=d2=3mm)

SET | FLK05

FLK 05 | 05 PCS | HM CARB | BRIGHT UNCOATED

5 rotary burrs carbide Ø 12 shank 6 mm

ESTUCHE | FLK05

5 fraisas rotativas metal duro Ø 12 mango de 6 mm

CASSETTA | FLK05

10316070002

3221910612979

QTY	PCB
5	1

AB | IJ | NO

5 frese a lima in carburo Ø 12 con attacco da 6 mm

SET | FLK10

FLK 10 | 10 PCS | HM CARB | BRIGHT UNCOATED

10 rotary burrs carbide Ø 6 & Ø 12 shank 6 mm

ESTUCHE | FLK10

10 fraisas rotativas metal duro Ø 6 et Ø 12 mango de 6 mm

CASSETTA | FLK10

10316070005

3221910896690

QTY	PCB
10	1

AB | IJ | NO

10 frese a lima in carburo Ø 6 e Ø 12 con attacco da 6 mm

SET | FNH06

FNH 06 | DIN 335C | 06 PCS | HSS E5 | BRIGHT UNCOATED | 90°

6 countersink 90° HSS E Ø 6,3-8,3-10,4-12,4-16,5-20,5

ESTUCHE | FNH06

6 avellanadores 90° HSS E Ø 6,3-8,3-10,4-12,4-16,5-20,5

CASSETTA | FNH06

10331670005

3221910899455

QTY	PCB
6	1

AB | FGH | KLM

6 frese per accecare 90° HSS E Ø 6,3-8,3-10,4-12,4-16,5-20,5

#07

SET | FNH05

FNH 05 | DIN 335C | 05 PCS | HSS E5 | BRIGHT UNCOATED | 90°

5 countersink 90° HSS E Ø 10,4-16,5-20,5-25-31

ESTUCHE | FNH05

5 avellanadores 90° HSS E Ø 10,4-16,5-20,5-25-31

CASSETTA | FNH05

10331670002

3221910628178

QTY	PCB
5	1

AB | FGH | KLM

5 frese per accecare 90° HSS E Ø 10,4-16,5-20,5-25-31

SET | FNH06 | TIAIN

FNH 06 | DIN 335C | 06 PCS | HSS E5 | TiAlN COATED | 90°

6 countersink 90° HSS E TiAlN Ø 6,3-8,3-10,4-12,4-16,5-20,5 FNH6

ESTUCHE | FNH06 | TIAIN

6 avellanadores 90° HSS E TiAlN Ø 6,3-8,3-10,4-12,4-16,5-20,5 FNH6 TiAlN

CASSETTA | FNH06 | TIAIN

10366370001

3221910899448

QTY	PCB
6	1

AB | CDE | FGH

6 frese per accecare 90° HSS E TiAlN Ø 6,3-8,3-10,4-12,4-16,5-20,5 FNH6 TiAlN

SET | FNH06 | HEXA

FNH 06 | HEXA | 06 PCS | HSS | BRIGHT UNCOATED | 90°

6 countersink 90° HSS, Ø 6,3-8,3-10,4-12,4-16,5-20, 5 mm hexa shank 1/4" + 1 BH

ESTUCHE | FNH06 | HEXA

6 avellanadores 90° HSS, Ø 6,3-8,3-10,4-12,4-16,5-20,5 mm mango hexa 1/4" + 1 PP

CASSETTA | FNH06 | HEXA

10332370001

3221910881979

QTY	PCB
6	1

AB | P

6 frese per accecare 90° HSS E Ø 6,3-8,3-10,4-12,4-16,5-20,5 mm con attacco esagonale 1/4' + & PI

SET | FCH04

FCH 04 | WELDON 19mm | 04 PCS | HSS | TiAlN COATED

4 core hole drills HSS TiAlN Ø 12-14-18-22 mm+pilot

ESTUCHE | FCH04

4 fraisas huecas HSS TiAlN Ø 12-14-18-22 mm+expulsores

CASSETTA | FCH04

10370070001

3221910825829

QTY	PCB
4	1

C | FGH | IJ

4 frese per carotaggio HSS TiAlN Ø 12-14-18-22 mm+espulsore

#07

SET | FCH08

FCH 08 | WELDON 19mm | 08 PCS

HSS | TiAlN COATED

8 core hole drills HSS TiAlN Ø 12-14-14-16-18-18-20-22 mm+pilot

ESTUCHE | FCH08

8 fraisas huecas HSS TiAlN Ø 12 -14-14-16-18-18-20-22 mm+expulsores

CASSETTA | FCH08

10370070005

3221910897390

QTY	PCB
8	1

C | FGH | IJ

8 frese per carotaggio HSS TiAlN Ø 12-14-14-16-18-18-20-22 mm+espulsore

SET | FZ03

FZ 03 | DIN 844BK | 04 PCS

HSS E8 | TiAlN COATED

4 Finishing end mills HSS E8 Ø 8-10-12-16 mm Z3

ESTUCHE | FZ03

4 fraisas de acabado HSS E8 Ø 8-10-12-16 mm Z3

CASSETTA | FZ03

80371370001

3221910898052

QTY	PCB
4	1

AB | CD | FGH

4 frese per scanalature HSS E8 Ø 8-10-12-16 mm Z3

SET | FZ04

FZ 04 | DIN 844BK | 04 PCS

HSS E8 | TiAlN COATED

4 Finishing end mills HSS E8 Ø 8-10-12-16 mm Z4

ESTUCHE | FZ04

4 fraisas de acabado HSS E8 Ø 8-10-12-16 mm Z4

CASSETTA | FZ04

80371470001

3221910898069

QTY	PCB
4	1

AB | CD | FGH

4 frese per rifinitura HSS E8 Ø 8-10-12-16 mm Z4

SET | FRG

FRG | DIN 844BK | 04 PCS

HSS E8 | TiAlN COATED

4 Roughing end mills HSS E8 Ø 8-10-12 -16 mm

ESTUCHE | FRG

4 fraisas debaste HSS E8 Ø 8-10-12-16 mm

CASSETTA | FRG

80371570001

3221910898076

QTY	PCB
4	1

AB | CD | FGH

4 frese per sgrossare HSS E8 Ø 8-10-12-16 mm

SET | JET

JET | 21 PCS | HSS | BRIGHT UNCOATED

21 reamers jet +1 pincer, Ø 0,35 à 1,35 mm

ESTUCHE | JET

21 escariadoras surtidor +1 P Ø 0,35>1,35 mm

CASSETTA | JET

10400770001

3221910642297

QTY	PCB
21	1

AB

21 alesatori per getti +1 pinza, Ø da 0,35 a 1,35 mm

SET | REVERSO | T51

RE VERSO | T 51 | 51 PCS

51 Tools 13 metal drills TZX Flam/6 wood drills SLR/5 masonry drills Ind SLR/6 masonry drills SDS+Master4/19 bits Torsion/2 TH mag

ESTUCHE | REVERSO | T51

51 Herra. 13 brocas metal TZX Flam/6 brocas madera SLR/5 brocas construcción Ind SLR/6 brocas SDS+Master 4/19 puntas Torsion/1 P.P. mag/1 P. Magn.

CASSETTA | REVERSO | T51

11901270008

3221910899196

QTY	PCB
51	1

51 utensili 13 punte per metallo TZX Flam 6 punte per legno SLR/5 punte per calcestruzzo Ind SLR/6 punte SDS+Master4/19 puntali Torsion/1 PP mag/1 gambo

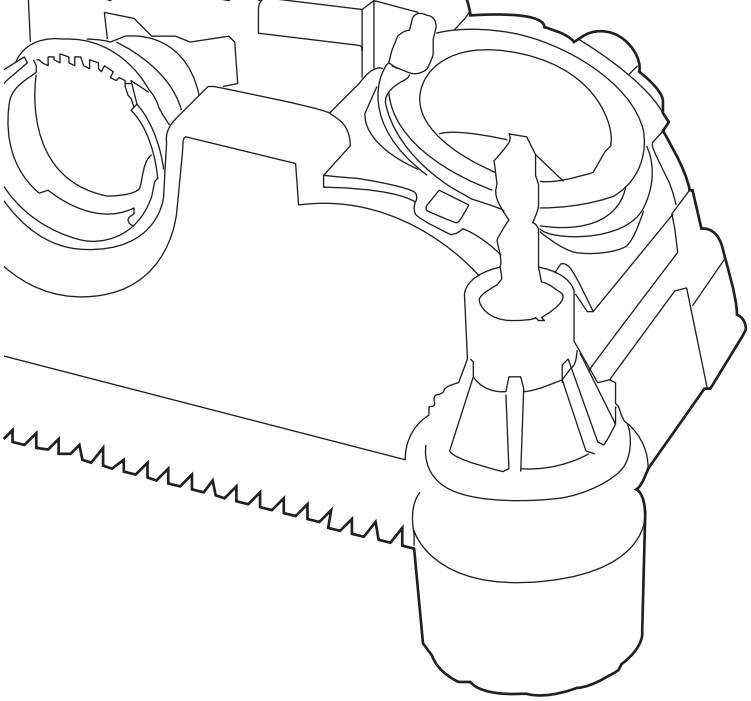
GENE-
RAL
CATALOGUE

SHARPENING

AFILADORES

AFFILATORE

#08/08



SHARPENING
AFILADORES
AFFILATORE

DRILL DOCTOR & ACCESSORIES **376**
DRILLDOCTOR & ACCESORIOS
DRILLDOCTOR & ACCESSORI

#08

DRILL DOCTOR 360

DD 360

DRILL DOCTOR 360 Ø 2,5>13 mm

DRILL DOCTOR 360

DRILL DOCTOR 360 Ø 2,5>13 mm

DRILL DOCTOR 360

1111177360B

3221910864354

QTY	PCB	€
1	1	

DRILL DOCTOR 360 Ø 2,5>13 mm

DRILL DOCTOR 500

DD 500

DRILL DOCTOR 500 Ø 2,5>13 mm
118°>135° Convential and split point-lip relief angle ajustable

DRILL DOCTOR 500

DRILL DOCTOR 500 Ø 2,5>13 mm
118°>135° Punta convential & en cruz-angulo de destalonado extensible

DRILL DOCTOR 500

1111177500M

3221910864699

QTY	PCB	€
1	1	

DRILL DOCTOR 500 Ø 2,5>13 mm
118°>135° Spoglia conica & affilatura a croce - Angolo di spoglia regolabile

DRILL DOCTOR 750

DD 750

DRILL DOCTOR 750 Ø 2,5>19 mm
118°>135° Convential and split point-lip relief angle and grinding deeph ajustable

DRILL DOCTOR 750

DRILL DOCTOR 750 Ø 2,5>19 mm
118°>135° Punta convential & en cruz-angulo de destalonado & profondidiad de amolado extensible

DRILL DOCTOR 750

1111177750M

3221910866655

QTY	PCB	€
1	1	

DRILL DOCTOR 750 Ø 2,5>19 mm
118°>135° Spoglia conica & affilatura a croce - Angolo di spoglia regolabile

DRILL DOCTOR WHEEL

M 100

DRILL DOCTOR 360, 500, 750 grinder, grit 100

MUELA PAR DRILL DOCTOR

Muela par DRILL DOCTOR 360, 500, 750 Gr. 100

RUOTA PER DRILL DOCTOR

11111720004

3221910879723

QTY	PCB	€
1	1	

Ruota per DRILL DOCTOR 360, 500, 750 Gr. 100

#08

DRILL DOCTOR WHEEL

MUELA PAR DRILL DOCTOR

RUOTA PER DRILL DOCTOR

11111720001

3221910857806

QTY	PCB	€
1	1	

DRILL DOCTOR 360, 500, 750 grinder, grit 180

Muela par DRILL DOCTOR 360, 500, 750 Gr. 180

Ruota per DRILL DOCTOR 360, 500, 750 Gr. 180

DRILL DOCTOR CHUCK

PORTABROCAS PAR DRILL DOCTOR

MANDRINO PER DRILL DOCTOR

11111720002

3221910857813

QTY	PCB	€
1	1	

DRILL DOCTOR 500, 750 chuck Ø 2,5>19 mm

Portabrocas par DRILL DOCTOR 500, 750 rango Ø 2,5> 19 mm

Mandrino per DRILL DOCTOR 500, 750 rango Ø 2,5> 19 mm

GENE-
RAL
CATALOGUE

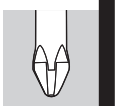
POWER TOOL ACCESSORIES

HERRAMIENTAS ELECTROPORTÁTIL

ACCESSORI ELETTROPORTATIVI

#09-19

#09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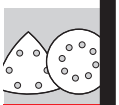
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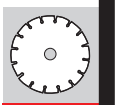
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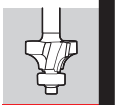
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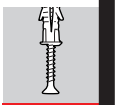

#16

#17

#18

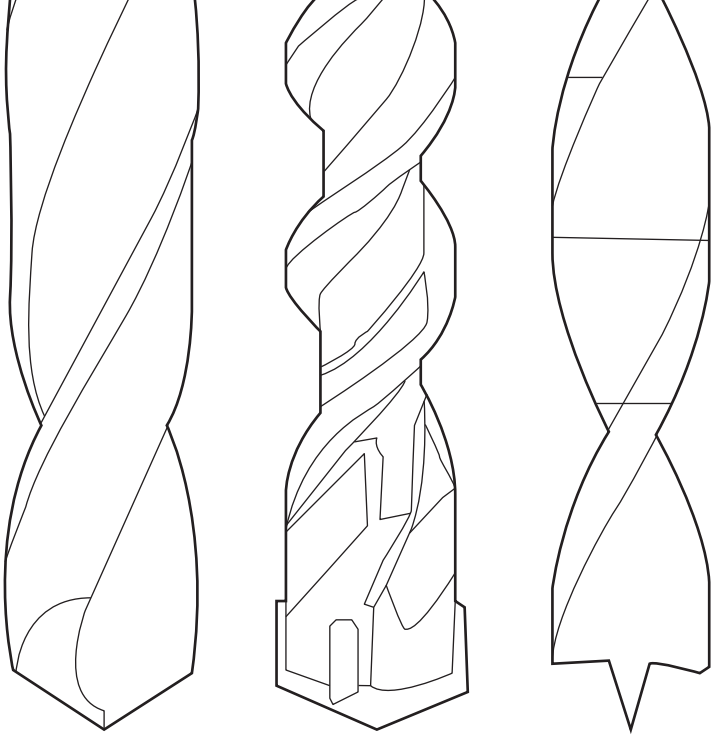
#19

# #
POWER TOOL ACCESSORIES
HERRAMIENTAS ELECTROPORTÁTIL
ACCESSORI ELETTROPORTATIVI

GENE-
RAL
CATALOGUE

DRILLING
TALADRADO
FORATURA

#09/19



DRILLING
TALADRADO
FORATURA

MASONRY 384
TALADRADO HORMIGÓN
FORATURA CEMENTO

Cylindrical/Hex shank bits. Brocas cilíndricas/Hexa. Punte cilindriche/Esagonale. #09
SDS+ Drill Bits. Brocas SDS+. Punte SDS+.
SDS Chisels. Herramientas de demolición SDS+. Utensili da demolizione SDS+.
SDS Max Drill Bits. Brocas SDSmax. Punte SDS MAX.
SDS Max Chisels. Herramientas de demolición SDSmax. Utensili da demolizione SDSmax.
Glass& Tile Bits. Brocas vidrio/azulejo/mixtas. Punte Vetro/Piastrelle/Miste.
404 Sets. Estuches. Cofanetti.

METAL 414
TALADRADO METAL
FORATURA METALLO

Cylindrical/Hex shank bits. Brocas cilíndricas/Hexa. Punte cilindriche/Esagonale. #09
HSS Step drill bits. Brocas cónicas ó brocas escalonadas. Punte coniche o punte a gradini.
Countersinks / rotary burrs. Avellanadores/ fresas limas. Svasatori / frese lima.
Taps. Machos. Maschio.
Dies. Cojinetes. Filettatura.
437 Sets. Estuches. Cofanetti.

WOOD 446
TALADRADO MADERA
FORATURA LEGNO

Cylindrical/Hex shank bits. Brocas cilíndricas/Hexa. Punte cilindriche/Esagonale. #09
SDS+ Shank. Brocas SDS+. Punte SDS+.
Step drill bits. Brocas cónicas o brocas escalonadas. Punte coniche o punte a gradini.
Countersinks/Router bits. Avellanadores/ fresas para encastrar. Svasatori.
457 Sets. Estuches. Cofanetti.

PERÇAGE
DRILLING
GREEN TECH

Spécial perçage matériaux durs. Réduction des efforts en perçage manuel.

Perçage de métaux résistants : inox, aciers, fontes
> Vitesse de perçage : +20%
> Durée de vie : +30%
Perçage des bois exotiques les plus durs : terrasses, teck, IPE, Bangkiraï, chêne
> Vitesse de perçage : +50%
> Durée de vie : x3
Perçage des matériaux haute résistance : béton vibré, granit, marbre.
> Vitesse de perçage : +20%
> Durée de vie : +20%

Une gamme « éco-conçue »
Impact sur l'environnement minimisé à la fabrication :
> nouveaux aciers recyclés et recyclables
> recyclage huile et copeaux
> réduction des rejets sur l'environnement
> moins de consommation à l'utilisation
> fabrication Française.

An « eco-designed » range
Environmental impact minimised during production :
> new recycled and recyclable steels
> recycling of oil and chips
> reduction of waste in the environment
> longer life time, energy saving
> made in France.

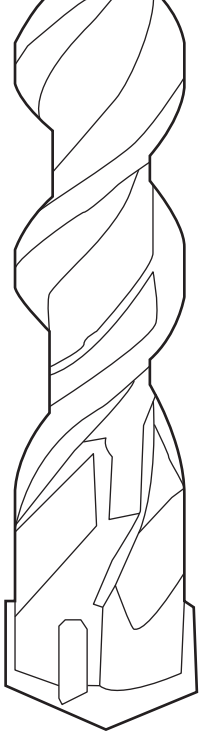
particulier@tivoly.com

Drilling of hard materials. Reduction of manual drilling effort.

Drilling of hard metals : stainless steel, steel, cast iron
> Drilling speed : +20%
> Life time : +30%

Drilling of the hardest exotic woods : terrace, teak, lapacho, bankirai, oak.
> Drilling speed : +50%
> Life time : x3

Drilling of materials high strength : vibrated concrete, granite, marble.
> Drilling speed : +20%
> Life time : +20%



MASONRY **384**
TALADRADO HORMIGÓN
FORATURA CEMENTO

Cylindrical/Hex shank bits. Brocas cilíndricas/Hexa. Punte cilindriche/Esagonale. #09
SDS+ Drill Bits. Brocas SDS+. Punte SDS+.
SDS Chisels. Herramientas de demolición SDS+. Utensili da demolizione SDS+.
SDS Max Drill Bits. Brocas SDSmax. Punte SDS MAX.
SDS Max Chisels. Herramientas de demolición SDSmax. Utensili da demolizione SDSmax.
Glass& Tile Bits. Brocas vidrio/azulejo/mixtas. Punte Vetro/Piastrelle/Miste.
404 Sets. Estuches. Cofanetti.

METAL 414
TALADRADO METAL
FORATURA METALLO

Cylindrical/Hex shank bits. Brocas cilíndricas/Hexa. Punte cilindriche/Esagonale. #09
HSS Step drill bits. Brocas cónicas ó brocas escalonadas. Punte coniche o punte a gradini.
Countersinks / rotary burrs. Avellanadores/ fresas limas. Svasatori / frese lima.
Taps. Machos. Maschio.
Dies. Cojinetes. Filettatura.
437 Sets. Estuches. Cofanetti.

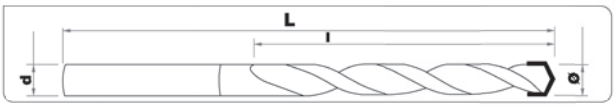
WOOD 446
TALADRADO MADERA
FORATURA LEGNO

Cylindrical/Hex shank bits. Brocas cilíndricas/Hexa. Punte cilindriche/Esagonale. #09
SDS+ Shank. Brocas SDS+. Punte SDS+.
Step drill bits. Brocas cónicas o brocas escalonadas. Punte coniche o punte a gradini.
Countersinks/Router bits. Avellanadores/ fresas para encastrar. Svasatori.
457 Sets. Estuches. Cofanetti.

GREEN' MASONRY DRILL BIT | ROUND SHANK | HEAVY DUTY

BROCA HORMIGÓN GREEN/ MANGO CILÍNDRICO / USO INTENSIVO

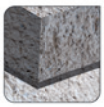
PUNTA CEMENTO GREEN | CODOLO CILINDRICO | USO INTENSIVO



20% Faster drilling 20% greater drilling life. Easier drilling = less energy. Depth Markings = greater precision

Rapidez: +20%. Duración de vida: +20%. Mayor confort con menor energía. Graduación= profundidad controlada.

Rapidità : +20%. Durata di vita: +20%. Più confort con meno energia .Graduato = per verifacare la profondità.



Concrete
Hormigón
Cemento

Marble
Mármol
marmo

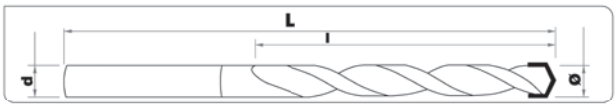
1096042	EAN	Ø	L	l	QTY	PCB	€
10960420300	3221910880286	3	60	34	1	3	
10960420400	3221910880293	4	75	40	1	3	
10960420500	3221910880309	5	85	50	1	3	
10960420600	3221910880316	6	100	60	1	3	
10960420700	3221910880323	7	100	60	1	3	
10960420800	3221910880330	8	120	72	1	3	
10960420900	3221910880347	9	120	72	1	3	
10960421000	3221910880354	10	120	72	1	3	
10960421200	3221910880361	12	150	92	1	1	

1096044	EAN	Ø	L	l	QTY	PCB	€
10960440300	3221910882341	3	60	34	1	3	
10960440400	3221910882358	4	75	40	1	3	
10960440500	3221910882365	5	85	50	1	3	
10960440600	3221910882372	6	100	60	1	3	
10960440700	3221910882389	7	100	60	1	3	
10960440800	3221910882396	8	120	72	1	3	
10960440900	3221910882402	9	120	72	1	3	
10960441000	3221910882419	10	120	72	1	3	
10960441200	3221910882426	12	150	92	1	1	

INDUSTRIAL MASONRY BIT | ROUND SHANK | HEAVY DUTY

BROCA HORMIGÓN IND / MANGO CILÍNDRICO / USO INTENSIVO

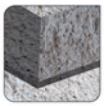
PUNTA CEMENTO IND | CODOLO CILINDRICO | USO INTENSIVO



Brazed Carbide Tip for accurate holes and increased durability.Depth marking = greater precision.

Resistencias y rapidez. Plaquita de metal duro afilada y soldada a alta temperatura. Graduación– profundidad controlada

Resistenza e velocità. Placchetta in carburo affilata e saldata ad alte temperature. Graduato – per verificare la profondità.



Concrete
Hormigón
Cemento

Stone
Piedra
Pietra

1096032	EAN	Ø	L	l	QTY	PCB	€
10960320300	3221910840655	3	60	30	1	3	
10960320400	3221910840662	4	75	40	1	3	
10960320500	3221910840679	5	85	50	1	3	
10960320600	3221910840686	6	100	60	1	3	
10960320700	3221910840693	7	100	60	1	3	
10960320800	3221910840709	8	120	80	1	3	
10960320900	3221910840716	9	120	80	1	3	
10960321000	3221910840723	10	120	80	1	3	

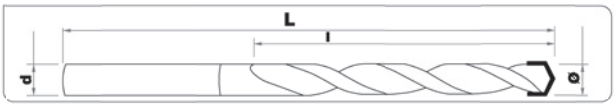
1096032	EAN	Ø	L	l	QTY	PCB	€
10960321100	3221910840730	11	150	90	1	1	
10960321200	3221910840747	12	150	90	1	1	
10960321300	3221910840754	13	150	90	1	1	
10960321400	3221910840761	14	150	90	1	1	
10960321500	3221910840778	15	160	100	1	1	
10960321600	3221910840785	16	160	100	1	1	
10960321800	3221910840792	18	160	100	1	1	
10960322000	3221910840808	20	160	100	1	1	

1096034	EAN	Ø	L	l	QTY	PCB	€
10960340300	3221910840532	3	70	40	1	3	
10960340400	3221910840549	4	75	40	1	3	
10960340500	3221910840556	5	85	50	1	3	
10960340600	3221910840563	6	100	60	1	3	
10960340700	3221910840570	7	100	60	1	3	
10960340800	3221910840587	8	120	80	1	3	
10960340900	3221910840594	9	120	80	1	3	
10960341000	3221910840600	10	120	80	1	3	
10960341100	3221910840617	11	150	90	1	1	
10960341200	3221910840624	12	150	90	1	1	
10960341300	3221910840631	13	150	90	1	1	
10960341400	3221910840648	14	150	90	1	1	

PROFESSIONAL MASONRY BIT | ROUND SHANK | HEAVY DUTY

BROCA HORMIGÓN IND / MANGO CILÍNDRICO / USO INTENSIVO

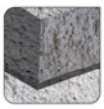
PUNTA CEMENTO IND | CODOLO CILINDRICO | USO INTENSIVO



Durability & fast drilling . Brazed Carbide Tip

Resistencia y rapidez. Plaquita de carburo afilada y soldada a alta temperatura.

Resistenza e velocità. Placchetta in carburo affilata e saldata ad alte temperature.



Concrete
Hormigón
Cemento

Stone
Piedra
Pietra

1090031	EAN	Ø	L	l	QTY	PCB	€
10900310300	3221910081010	3	60	30	1	10	
10900310400	3221910081027	4	75	40	1	10	
10900310500	3221910081034	5	85	50	1	10	
10900310600	3221910081041	6	100	60	1	10	
10900310700	3221910081058	7	100	60	1	10	
10900310800	3221910081065	8	120	80	1	10	
10900310900	3221910081072	9	120	80	1	5	
10900311000	3221910081089	10	120	80	1	5	

PROFESSIONAL MASONRY BIT | ROUND SHANK | GEN PURPOSE

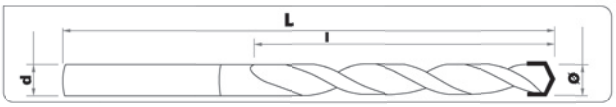
BROCA HORMIGÓN PRO / MANGO CILÍNDRICO / USO CORRIENTE

PUNTA CEMENTO PRO | CODOLO CILINDRICO | USO CORRENTE

#09

DIN 8039

HM



Brazed Carbide Tip for accurate holes and increased durability

Precisión y buena resistencia gracias a su plaquita de metal duro soldada a alta temperatura

Precisione e buona resistenza grazie alla sua placchetta in carburo affilata e saldata ad alte temperature.

Stone
Piedra
Pietra

Breeze block
Bloque hormigón
Blocco di pietra

Brick
ladrillo
Mattone

1090022	EAN	Ø	L	l	QTY	PCB	€
10900220300	3221910001827	3	60	30	2	6	
10900220400	3221910001834	4	75	40	2	6	
10900220500	3221910001841	5	85	50	2	6	
10900220600	3221910001858	6	100	60	1	6	
10900220700	3221910001872	7	100	60	1	6	
10900220800	3221910001889	8	120	80	1	6	
10900220900	3221910001896	9	120	80	1	6	
10900221000	3221910001902	10	120	80	1	6	
10900221100	3221910001919	11	150	90	1	1	
10900221200	3221910001926	12	150	90	1	1	
10900221300	3221910001933	13	150	90	1	1	
10900221400	3221910001940	14	150	90	1	1	
10900221500	3221910001957	15	150	90	1	1	
10900221600	3221910001964	16	150	90	1	1	
10900221800	3221910001971	18	160	100	1	1	
10900222000	3221910001988	20	160	100	1	1	

1090024	EAN	Ø	L	l	QTY	PCB	€
10900240300	3221910027407	3	60	30	2	6	
10900240400	3221910027414	4	75	40	2	6	
10900240500	3221910027421	5	85	50	2	6	
10900240600	3221910027438	6	100	60	1	6	
10900240700	3221910027445	7	100	60	1	6	
10900240800	3221910027452	8	120	80	1	6	
10900240900	3221910027469	9	120	80	1	6	
10900241000	3221910027476	10	120	80	1	6	
10900241100	3221910027483	11	150	90	1	1	
10900241200	3221910027490	12	150	90	1	1	
10900241300	3221910027506	13	150	90	1	1	
10900241400	3221910027513	14	150	90	1	1	
10900241500	3221910027520	15	150	90	1	1	
10900241600	3221910027537	16	150	90	1	1	
10900241800	3221910027544	18	160	100	1	1	
10900242000	3221910027551	20	160	100	1	1	

1090026	EAN	Ø	L	l	QTY	PCB	€
10900260300	3221910079994	3	60	30	10	1	
10900260400	3221910080006	4	75	40	10	1	
10900260500	3221910080013	5	85	50	10	1	
10900260600	3221910080020	6	100	60	10	1	
10900260700	3221910080037	7	100	60	10	1	
10900260800	3221910080044	8	120	80	10	1	
10900260900	3221910080051	9	120	80	5	1	
10900261000	3221910080068	10	120	80	5	1	

1090021	EAN	Ø	L	l	QTY	PCB	€
10900210300	3221910053512	3	60	30	1	10	
10900210400	3221910053543	4	75	40	1	10	
10900210500	3221910053550	5	85	50	1	10	
10900210600	3221910053574	6	100	60	1	10	
10900210700	3221910053598	7	100	60	1	10	
10900210800	3221910053604	8	120	80	1	10	
10900210900	3221910053611	9	120	80	1	5	
10900211000	3221910053628	10	120	80	1	5	

PROFESSIONAL MASONRY BIT | ROUND SHANK | GEN PURPOSE

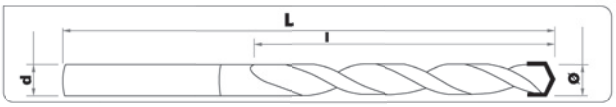
BROCA HORMIGÓN PRO / MANGO CILÍNDRICO / USO CORRIENTE

PUNTA CEMENTO PRO | CODOLO CILINDRICO | USO CORRENTE

#09

DIN 8039

HM



Brazed Carbide Tip for accurate holes and increased durability

Precisión y buena resistencia gracias a su plaquita de metal duro soldada a alta temperatura

Precisione e buona resistenza grazie alla sua placchetta in carburo affilata e saldata ad alte temperature.

Stone
Piedra
Pietra

Breeze block
Bloque hormigón
Blocco di pietra

Brick
ladrillo
Mattone

1090072	EAN	Ø	L	l	QTY	PCB	€
10900720600	3221910002510	6	200	140	1	1	
10900720800	3221910002527	8	200	140	1	1	
10900721000	3221910002534	10	200	140	1	1	
10900721200	3221910002541	12	200	140	1	1	
10900721400	3221910002558	14	200	140	1	1	
10900721600	3221910002565	16	200	140	1	1	
10900721800	3221910079581	18	200	140	1	1	

1090074	EAN	Ø	L	l	QTY	PCB	€
10900740600	3221910027681	6	200	140	1	1	
10900740800	3221910027698	8	200	140	1	1	
10900741000	3221910027704	10	200	140	1	1	
10900741200	3221910027711	12	200	140	1	1	
10900741400	3221910027728	14	200	140	1	1	
10900741600	3221910027735	16	200	140	1	1	
10900741800	3221910082253	18	200	140	1	1	
10900742000	3221910082260	20	200	140	1	1	
10900742200	3221910082277	22	200	140	1	1	

1090082	EAN	Ø	L	l	QTY	PCB	€
10900820800	3221910002763	8	400	350	1	1	
10900821000	3221910002787	10	400	350	1	1	
10900821200	3221910002800	12	400	350	1	1	
10900821400	3221910002824	14	400	350	1	1	
10900821600	3221910002848	16	400	350	1	1	

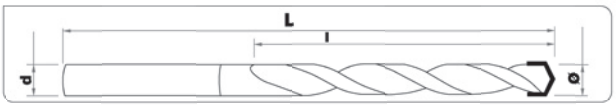
1090084	EAN	Ø	L	l	QTY	PCB	€
10900840800	3221910027766	8	400	350	1	1	
10900841000	3221910027780	10	400	350	1	1	
10900841200	3221910027803	12	400	350	1	1	
10900841400	3221910027827	14	400	350	1	1	
10900841600	3221910027841	16	400	350	1	1	
10900841800	3221910027858	18	400	350	1	1	
10900842000	3221910027865	20	400	350	1	1	
10900842200	3221910027872	22	400	350	1	1	

1090092	EAN	Ø	L	l	QTY	PCB	€
10900921000	3221910002930	10	600	550	1	1	
10900921200	3221910002954	12	600	550	1	1	
10900921400	3221910002978	14	600	550	1	1	
10900921600	3221910002992	16	600	550	1	1	
10900921800	3221910003005	18	600	550	1	1	
10900922000	3221910003012	20	600	550	1	1	
10900922200	3221910003029	22	600	550	1	1	
10900922500	3221910003043	25	600	550	1	1	

MULTIMAT DRILL BIT I ROUND SHANK I GEN PURPOSE

BROCA MULTI-MATERIAL I MANGO CILÍNDRICO I USO CORRIENTE

PUNTA MULTI-MATERIALE I CODOLO CILINDRICO I USO CORRENTE



Unique multimaterial drill bit : for metal,masonry,tiles. For General purpose.

Una sola herramienta para diferentes materiales: metal, hormigón y azulejo. Para uso corriente.

Prodotto unico per differenti materiali : metallo, cemento e piastrelle. Per un uso corrente.

Plaster
Loza
Maiolica

Brick
ladrillo
Mattone

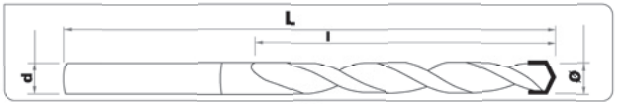
Sheet Steel
Chapas
Lamiera

1190184	EAN	Ø	L	l	QTY	PCB	€
11901840300	3221912000675	3	70	40	1	1	
11901840400	3221912000910	4	75	40	1	1	
11901840500	3221912001009	5	85	50	1	1	
11901840600	3221912001023	6	100	60	1	1	
11901840700	3221912001016	7	100	60	1	1	
11901840800	3221912001108	8	120	80	1	1	
11901840900	3221912001030	9	120	80	1	1	
11901841000	3221912001122	10	120	80	1	1	
11901841100	3221912001047	11	150	90	1	1	
11901841200	3221912001054	12	150	90	1	1	

MULTIMAT DRILL BIT I ROUND SHANK I LIGHT USAGE

BROCA MULTI-MATERIAL I MANGO CILÍNDRICO I USO OCASIONAL

PUNTA MULTI-MATERIALE I CODOLO CILINDRICO I USO OCCASIONALE



Unique multimaterial drill bit : for metal,masonry,wood. For light usage

Una sola herramienta para diferentes materiales: metal, hormigón y madera. Para uso ocasional.

Prodotto unico per differenti materiali : metallo, cemento e LEGNO. Per un uso occasionale.

Brick
ladrillo
Mattone

Sheet Steel
Chapas
Lamiera

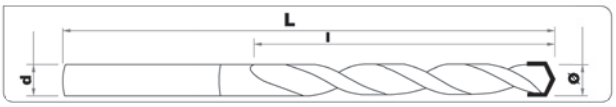
Softwood
Madera blanda
legno tenero

1190172	EAN	Ø	L	l	QTY	PCB	€
11901720300	3221910221881	3	60	30	1	1	
11901720400	3221910221898	4	75	40	1	1	
11901720500	3221910221904	5	85	50	1	1	
11901720600	3221910221911	6	100	60	1	1	
11901720800	3221910221928	8	120	80	1	1	

PROFESSIONAL MASONRY BIT | HEX SHANK | LIGHT USAGE

BROCA HORMIGÓN PRO / MANGO HEXAGONAL / USO OCASIONAL

PUNTA CEMENTO PRO | CODOLO ESAGONALE | USO OCCASIONALE



Brazed Carbide Tip for accurate holes and increased durability. Quick change Hex shank

Precisión y resistencia gracias a su plaquita de metal duro. Mango hexagonal de cambio rápido.

Precisione e resistenza grazie al suo inserto in carburo. Codolo esagonale attacco rapido.

Breeze block
Bloque hormigón
Blocco di pietra

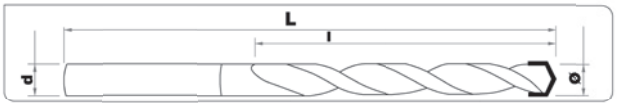
Brick
ladrillo
Mattone

1090162	EAN	Ø	L	l	QTY	PCB	€
10901620300	3221910024741	3	80	30	1	1	
10901620400	3221910024758	4	80	35	1	1	
10901620500	3221910024765	5	85	40	1	1	
10901620600	3221910024772	6	100	50	1	1	
10901620700	3221910835934	7	100	50	1	1	
10901620800	3221910835941	8	120	80	1	1	
10901621000	3221910835958	10	120	80	1	1	
10901621100	3221910835965	11	150	90	1	1	
10901621200	3221910835972	12	150	90	1	1	

STANDARD MASONRY DRILL BIT | ROUND SHANK | LIGHT USAGE

BROCA HORMIGÓN STANDARD | MANGO CILÍNDRICO | USO OCASIONAL

PUNTA CEMENTO STANDARD | CODOLO CILINDRICO | USO OCCASIONALE



Standard Masonry drill bit. For light occasional use.

Producto de gama estándar ideal para uso ocasional.

Prodotto della gamma standard ideale per un utilizzo occasionale.

Breeze block
Bloque hormigón
Blocco di pietra

Brick
ladrillo
Mattone

5090014	EAN	Ø	L	l	QTY	PCB	€
50900140300	3221910027223	3	60	30	2	6	
50900140400	3221910027230	4	75	40	2	6	
50900140500	3221910027247	5	85	50	2	6	
50900140600	3221910027261	6	100	60	1	6	
50900140700	3221910027285	7	100	60	1	6	
50900140800	3221910027292	8	120	80	1	6	
50900140900	3221910027308	9	120	80	1	6	
50900141000	3221910027315	10	120	80	1	6	
50900141100	3221910027322	11	150	80	1	1	
50900141200	3221910027339	12	150	90	1	1	
50900141300	3221910027346	13	150	90	1	1	
50900141400	3221910027353	14	150	90	1	1	
50900141500	3221910027360	15	150	90	1	1	
50900141600	3221910027377	16	150	90	1	1	
50900141800	3221910027384	18	160	100	1	1	
50900142000	3221910027391	20	160	100	1	1	

5090044	EAN	Ø	L	l	QTY	PCB	€
50900440600	3221910029470	6	200	140	1	1	
50900440800	3221910029494	8	200	140	1	1	
50900441000	3221910029517	10	200	140	1	1	
50900441200	3221910029524	12	200	140	1	1	
50900441400	3221910029548	14	200	140	1	1	
50900441600	3221910029555	16	200	140	1	1	

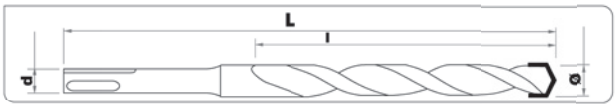
5090054	EAN	Ø	L	l	QTY	PCB	€
50900540600	3221910029593	6	400	350	1	1	
50900540800	3221910029616	8	400	350	1	1	
50900541000	3221910029630	10	400	350	1	1	
50900541200	3221910029654	12	400	350	1	1	
50900541400	3221910029678	14	400	350	1	1	
50900541600	3221910029692	16	400	350	1	1	
50900541800	3221910029708	18	400	350	1	1	
50900542000	3221910029715	20	400	350	1	1	

5090064	EAN	Ø	L	l	QTY	PCB	€
50900640800	3221910029807	8	600	550	1	1	
50900641000	3221910029821	10	600	550	1	1	
50900641200	3221910029845	12	600	550	1	1	
50900641400	3221910029869	14	600	550	1	1	
50900641600	3221910029883	16	600	550	1	1	
50900641800	3221910029890	18	600	550	1	1	
50900642000	3221910029906	20	600	550	1	1	

4 CUTTER HAMMER BIT I SDS+ SHANK I HEAVY DUTY

BROCA HORMIGÓN 4 CORTES / MANGO SDS+ / USO INTENSIVO

PUNTA CEMENTO 4 TAGLIENTI I CODOLO SDS+ I USO INTENSIVO

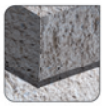


4 cutter carbide tip ensures more accurate drilling , durability & drilling life. Improved resistance to rebar

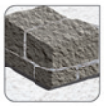
Rapidez y duración de vida, mayor precisión del orificio gracias a su plaquita de metal duro 4 cortes. Especial hormigón

Rapidità e durata, migliore precisione di foratura con inserto in carburo a 4 taglienti. Speciale per cemento armato.

Reinforced Concrete
hormigón armado
cemento armato



Concrete
Hormigón
Cemento



Stone
Piedra
Pietra

1092273	EAN	Ø	L	l	QTY	PCB	€
10922730500	3221910896508	5	110	50	1	1	
10922730600	3221910896515	6	110	50	1	1	
10922730800	3221910896522	8	110	50	1	1	
10922731000	3221910896539	10	110	50	1	1	

1092283	EAN	Ø	L	l	QTY	PCB	€
10922830500	3221910896546	5	160	100	1	1	
10922830600	3221910896553	6	160	100	1	1	
10922830800	3221910896560	8	160	100	1	1	
10922831000	3221910896577	10	160	100	1	1	
10922831200	3221910896584	12	160	100	1	1	
10922831400	3221910896591	14	160	100	1	1	

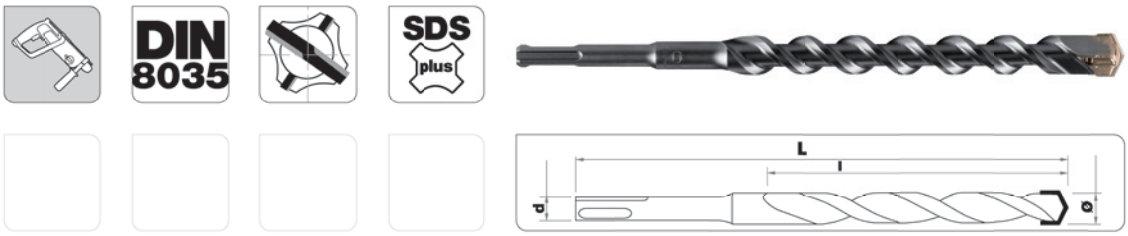
1092293	EAN	Ø	L	l	QTY	PCB	€
10922930600	3221910896607	6	210	150	1	1	
10922930800	3221910896614	8	210	150	1	1	
10922931000	3221910896621	10	210	150	1	1	
10922931200	3221910896638	12	210	150	1	1	
10922931400	3221910896645	14	210	150	1	1	

1092303	EAN	Ø	L	l	QTY	PCB	€
10923030800	3221910896652	8	260	200	1	1	
10923031000	3221910896669	10	260	200	1	1	
10923031200	3221910896676	12	260	200	1	1	
10923031400	3221910896683	14	260	200	1	1	

3 CUTTER MASONRY BIT | SDS+ SHANK | HEAVY DUTY

BROCA HORMIGÓN 3 CORTES/ MANGO SDS+ / USO INTENSIVO

PUNTA CEMENTO 3 TAGLIENTI | CODOLO SDS+ | USO INTENSIVO

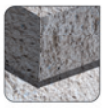


3 cutter carbide tip ensures more accurate drilling , durability & drilling life. Improved resistance to rebar

Rapidez y duración de vida, mayor precisión del agujero gracias a su plaquita de carburo de 3 cortes. Especial hormigón

Rapidità e durata, migliore precisione di foratura con inserto in carburo a 3 taglienti. Speciale per cemento armato.

Reinforced Concrete
hormigón armado
cemento armato



Concrete
Hormigón
Cemento

Stone
Piedra
Pietra

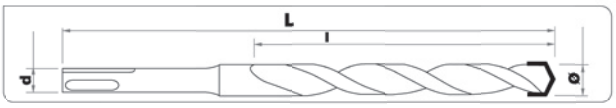
1090273	EAN	Ø	L	l	QTY	PCB	€
10902731600	3221910863036	16	250	200	1	1	
10902731800	3221910863043	18	250	200	1	1	
10902732000	3221910863050	20	250	200	1	1	
10902732200	3221910863067	22	250	200	1	1	

1090283	EAN	Ø	L	l	QTY	PCB	€
10902831600	3221910863111	16	450	400	1	1	
10902831800	3221910863128	18	450	400	1	1	
10902832000	3221910863135	20	450	400	1	1	
10902832200	3221910863142	22	450	400	1	1	
10902832400	3221910863159	24	450	400	1	1	
10902832500	3221910863166	25	450	400	1	1	
10902832800	3221910863173	28	450	400	1	1	
10902833000	3221910863180	30	450	400	1	1	

SPEEDER HAMMER BIT | SDS+ SHANK | HEAVY DUTY

BROCA HORMIGÓN SPEEDER / MANGO SDS+ / USO INTENSIVO

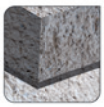
PUNTA CEMENTO SPEEDER | CODOLO SDS+ | USO INTENSIVO



Durability , fast & accurate drilling . Two Flute body for optimum debris removal

Resistencia, rapidez y precisión. Evacuación óptima de la viruta gracias a su hélice con doble canal.

Resistenza, velocità e precisione. Evacuazione ottimale della polvere grazie alla sua doppia gola di scarico.



Concrete
Hormigón
Cemento

Stone
Piedra
Pietra

Breeze block
Bloque hormigón
Blocco di pietra

1090103	EAN	Ø	L	l	QTY	PCB	€
10901030400	3221910227968	4	110	50	1	1	
10901030500	3221910227975	5	110	50	1	1	
10901030600	3221910227982	6	110	50	1	1	
10901030700	3221910227999	7	110	50	1	1	
10901030800	3221910228002	8	110	50	1	1	
10901031000	3221910228019	10	110	50	1	1	

1090106	EAN	Ø	L	l	QTY	PCB	€
10901060400	3221910082284	4	110	50	5	1	
10901060500	3221910080686	5	110	50	5	1	
10901060600	3221910080693	6	110	50	5	1	
10901060700	3221910080709	7	110	50	5	1	
10901060800	3221910080716	8	110	50	5	1	
10901061000	3221910080723	10	110	50	5	1	

1090113	EAN	Ø	L	l	QTY	PCB	€
10901130500	3221910228026	5	160	100	1	1	
10901130600	3221910228033	6	160	100	1	1	
10901130650	3221910864125	6,5	160	100	1	1	
10901130700	3221910228040	7	160	100	1	1	
10901130800	3221910228057	8	160	100	1	1	
10901130900	3221910864132	9	160	100	1	1	
10901131000	3221910228064	10	160	100	1	1	
10901131100	3221910228071	11	160	100	1	1	
10901131200	3221910228088	12	160	100	1	1	
10901131300	3221910228095	13	160	100	1	1	
10901131400	3221910228101	14	160	100	1	1	
10901131500	3221910228118	15	160	100	1	1	
10901131600	3221910228125	16	160	100	1	1	

1090116	EAN	Ø	L	l	QTY	PCB	€
10901160500	3221910082291	5	160	100	5	1	
10901160600	3221910080730	6	160	100	5	1	
10901160700	3221910080747	7	160	100	5	1	
10901160800	3221910080754	8	160	100	5	1	
10901161000	3221910080761	10	160	100	5	1	
10901161200	3221910555870	12	160	100	5	1	

1090123	EAN	Ø	L	l	QTY	PCB	€
10901230600	3221910228132	6	210	150	1	1	
10901230650	3221910824563	6,5	210	150	1	1	
10901230800	3221910228149	8	210	150	1	1	
10901231000	3221910228156	10	210	150	1	1	
10901231200	3221910228163	12	210	150	1	1	
10901231400	3221910228170	14	210	150	1	1	
10901231500	3221910228187	15	210	150	1	1	
10901231600	3221910228194	16	210	150	1	1	
10901231800	3221910228200	18	210	150	1	1	

1090123	EAN	Ø	L	l	QTY	PCB	€
10901232000	3221910228217	20	210	150	1	1	

1090133	EAN	Ø	L	l	QTY	PCB	€
10901330800	3221910228224	8	260	200	1	1	
10901331000	3221910228231	10	260	200	1	1	
10901331200	3221910228248	12	260	200	1	1	
10901331400	3221910228255	14	260	200	1	1	
10901331500	3221910228262	15	260	200	1	1	
10901331600	3221910228279	16	260	200	1	1	
10901331800	3221910228286	18	250	200	1	1	
10901332000	3221910228293	20	300	250	1	1	
10901332200	3221910862947	22	300	250	1	1	
10901332500	3221910862954	25	300	250	1	1	

1090143	EAN	Ø	L	l	QTY	PCB	€
10901430800	3221910228309	8	460	400	1	1	
10901431000	3221910228316	10	460	400	1	1	
10901431200	3221910228323	12	460	400	1	1	
10901431400	3221910228330	14	460	400	1	1	
10901431600	3221910228347	16	450	400	1	1	
10901431800	3221910228354	18	450	400	1	1	
10901432000	3221910228361	20	450	400	1	1	
10901432200	3221910228378	22	450	400	1	1	
10901432500	3221910228385	25	450	400	1	1	

1090523	EAN	Ø	L	l	QTY	PCB	€
10905230800	3221910862961	8	600	550	1	1	
10905231000	3221910862978	10	600	550	1	1	
10905231200	3221910862985	12	600	550	1	1	
10905231400	3221910228392	14	600	550	1	1	
10905231600	3221910228408	16	600	550	1	1	
10905231800	3221910228415	18	600	550	1	1	
10905232000	3221910228422	20	600	550	1	1	
10905232200	3221910228439	22	600	550	1	1	
10905232500	3221910228446	25	600	550	1	1	

1090263	EAN	Ø	L	l	QTY	PCB	€
10902631000	3221910837464	10	1000	950	1	1	
10902631200	3221910837471	12	1000	950	1	1	
10902631400	3221910837488	14	1000	950	1	1	
10902631600	3221910837495	16	1000	950	1	1	
10902631800	3221910837501	18	1000	950	1	1	
10902632000	3221910837518	20	1000	950	1	1	
10902632200	3221910837525	22	1000	950	1	1	
10902632500	3221910862992	25	1000	950	1	1	

SLR MASONRY DRILL BIT I SDS SHANK I GENERAL PURPOSE

BROCA HORMIGÓN SLR / MANGO SDS+ / USO CORRIENTE

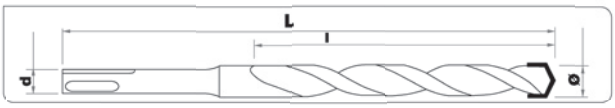
PUNTA CEMENTO SLR I CODOLO SDS+ I USO CORRENTE

DIN 8035

HM

SDS plus

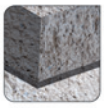
SLR®



For fast & accurate drilling . Two Flute body for optimum debris removal

Rapidez y precisión. Evacuación óptima de la viruta gracias a su hélice con doble canal.

Velocità e precisione. Evacuazione ottimale grazie alla sua doppia gola di scarico.



Concrete
Hormigón
Cemento

Stone
Piedra
Pietra

Brick
ladrillo
Mattone

1096113	EAN	Ø	L	l	QTY	PCB	€
10961130500	3221910850760	5	160	93	1	1	
10961130600	3221910850265	6	160	93	1	1	
10961130700	3221910850272	7	160	93	1	1	
10961130800	3221910850289	8	160	93	1	1	
10961131000	3221910850296	10	160	93	1	1	
10961131100	3221910859305	11	160	93	1	1	
10961131200	3221910850302	12	160	85	1	1	
10961131300	3221910859312	13	160	85	1	1	

1096113	EAN	Ø	L	l	QTY	PCB	€
10961131400	3221910850319	14	160	85	1	1	
10961131600	3221910864439	16	160	85	1	1	

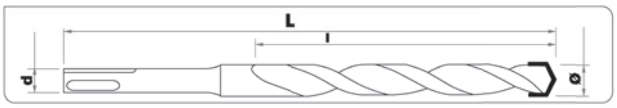
1096123	EAN	Ø	L	l	QTY	PCB	€
10961230600	3221910864446	6	210	143	1	1	
10961230800	3221910850326	8	210	143	1	1	
10961231000	3221910850333	10	210	143	1	1	
10961231200	3221910850340	12	210	135	1	1	
10961231400	3221910850357	14	210	135	1	1	
10961231600	3221910850364	16	210	135	1	1	

#09

MASONRY HAMMER BIT I SDS+ SHANK I LIGHT USAGE

BROCA HORMIGÓN / MANGO SDS+ / USO OCASIONAL

PUNTA CEMENTO I CODOLO SDS+ I USO OCCASIONALE



Standard quality for light masonry drilling. Simple flute form

Producto de gama estándar ideal para el taladrado de materiales blandos. Hélice canal simple

Prodotto della gamma standard ideale per la foratura di materiali teneri. Gola di scarico semplice.

Breeze block
Bloque hormigón
Blocco di pietra

Brick
ladrillo
Mattone

1091203	EAN	Ø	L	l	QTY	PCB	€
10912030400	3221910847494	4	110	50	1	1	
10912030500	3221910847500	5	110	50	1	1	
10912030600	3221910847517	6	110	50	1	1	
10912030800	3221910847524	8	110	50	1	1	
10912030900	3221910864217	9	110	50	1	1	
10912031000	3221910847531	10	110	50	1	1	

1091213	EAN	Ø	L	l	QTY	PCB	€
10912130500	3221910847548	5	160	100	1	1	
10912130600	3221910847555	6	160	100	1	1	
10912130700	3221910847562	7	160	100	1	1	
10912130800	3221910847579	8	160	100	1	1	
10912131000	3221910847586	10	160	100	1	1	
10912131200	3221910847593	12	160	100	1	1	
10912131400	3221910847609	14	160	100	1	1	

1091223	EAN	Ø	L	l	QTY	PCB	€
10912230600	3221910847616	6	210	150	1	1	
10912230650	3221910864712	6,5	210	150	1	1	
10912230800	3221910847623	8	210	150	1	1	
10912231000	3221910847630	10	210	150	1	1	
10912231200	3221910847647	12	210	150	1	1	
10912231400	3221910847654	14	210	150	1	1	
10912231600	3221910847661	16	210	150	1	1	
10912231800	3221910847678	18	210	150	1	1	

1091233	EAN	Ø	L	l	QTY	PCB	€
10912330600	3221910864316	6	260	200	1	1	
10912330650	3221910864309	6,5	260	200	1	1	
10912330800	3221910847685	8	260	200	1	1	
10912331000	3221910847692	10	260	200	1	1	
10912331200	3221910847708	12	260	200	1	1	
10912331400	3221910847715	14	260	200	1	1	
10912331600	3221910847722	16	260	200	1	1	
10912331800	3221910847739	18	260	200	1	1	
10912332000	3221910866501	20	260	200	1	1	

1091233	EAN	Ø	L	I	QTY	PCB	€
10912332200	3221910866518	22	260	200	1	1	

1091243	EAN	Ø	L	I	QTY	PCB	€
10912430800	3221910847746	8	450	400	1	1	
10912431000	3221910847753	10	450	400	1	1	
10912431200	3221910847760	12	450	400	1	1	
10912431400	3221910847777	14	450	400	1	1	
10912431600	3221910847784	16	450	400	1	1	
10912431800	3221910847791	18	450	400	1	1	
10912432000	3221910847807	20	450	400	1	1	
10912432200	3221910864279	22	450	400	1	1	
10912432400	3221910864323	24	450	400	1	1	
10912432500	3221910847814	25	450	400	1	1	

POINTED CHISEL | PUNTERO | SCALPELLO PUNTA

DIN 8035 · SDS plus · L250 mm

10901530001

3221910234812

QTY	PCB	€
1	1	

Designed for heavy demolition tasks. Very effective tool -ideal for breaking concrete

Specifiek voor afbraakwerk. Grote verwijderingcapaciteit Ideaal voor betonboren.

Accessori specifico per lavori di demolizione. Rimozione ad alta capacità. Ideale per forare il cemento.

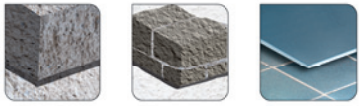
HOLLOW CHISEL | ROZADOR | SGORBIA

DIN 8035 · SDS plus · Ø 22x250 mm

10901530003

3221910234836

QTY	PCB	€
1	1	



Designed for heavy demolition tasks. Very effective tool -ideal for chiselling channels

Specifiek voor afbraakwerk. Grote verwijderingcapaciteit Ideaal voor bloedingen.

Specifico per i lavori di demolizione. Rimozione ad alta capacità. Ideale per effettuare solchi.

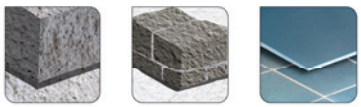
FLAT CHISEL | CINCEL PALA | SCALPELLO PIATTO

DIN 8035 · SDS plus · Ø 20x250 mm

10901530002

3221910234829

QTY	PCB	€
1	1	



Designed for heavy demolition tasks. Very effective tool -ideal for working in masonry

Specifiek voor afbraakwerk. Grote verwijderingcapaciteit Ideaal voor metselwerk.

Accessori specifico per lavori di demolizione. Rimozione ad alta capacità. Ideale per lavori di muratura.

FLAT CHISEL

DIN 8035 | SDS plus | Ø 40x250 mm

Designed for heavy demolition tasks. Very effective tool -ideal for working in masonry

CINCEL PALA

Specifiek voor afbraakwerk. Grote verwijderingcapaciteit Ideaal voor metselwerk.

SCALPELLO PIATTO

10901530004

3221910234843

QTY	PCB	€
1	1	

Accessori specifico per lavori di demolizione. Rimozione ad alta capacità. Ideale per lavori di muratura.

ANGLED CHISEL

DIN 8035 | SDS plus | Ø 40x250 mm

Demolition tool I SDS+ fitment

PALA CUCHARA

Toebehoren afbraak I SDS+ plug

SCALPELLO A GOMITO

10901530005

3221910555694

QTY	PCB	€
1	1	

Accessori specifico per lavori di demolizione. Rimozione ad alta capacità grazie alla sua geometria.

COMB CHISEL

DIN 8035 | SDS plus | Ø 40x250 mm

Designed for heavy demolition tasks. Very effective tool -ideal for removal of rough plaster

CINCEL

Specifiek voor afbraakwerk. Grote verwijderingcapaciteit Ideaal voor verwijd. van pleister.

SCALPELLO VANGA

10901530007

3221910863012

QTY	PCB	€
1	1	

Accessori specifico per lavori di demolizione. Rimozione ad alta capacità. Ideale per eliminare l'intonaco.

COMB CHISEL

DIN 8035 | SDS plus | Ø 60x400 mm

Designed for heavy demolition tasks. Very effective tool -ideal for removal of rough plaster

CINCEL

Specifiek voor afbraakwerk. Grote verwijderingcapaciteit Ideaal voor verwijd. van pleister.

SCALPELLO VANGA

10901530006

3221910863005

QTY	PCB	€
1	1	

Accessori specifico per lavori di demolizione. Rimozione ad alta capacità. Ideale per eliminare l'intonaco.

TILE CHISEL

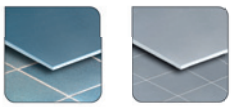
CINCEL AZULEJOS

SCALPELLO PIASTRELLE

10901530008

3221910863029

QTY	PCB	€
1	1	



Designed for heavy demolition tasks. Very effective tool -ideal for remcval of tiles

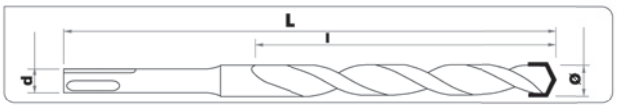
Specifiek voor afbraakwerk. Grote verwijderingcapaciteit Ideaal voor losmaken van tegels.

Accessori specifico per lavori di demolizione. Rimozione ad alta capacità. Ideale per scollare le piastrelle.

HAMMER MASONRY BIT I SDS MAX SHANK I HEAVY DUTY

BROCA HORMIGÓN / MANGO SDS MAX /USO INTENSIVO

PUNTA CEMENTO I CODOLO SDS MAX I USO INTENSIVO



Aggressive and durable drilling performance due to centering tip. Fast drilling and reduced vibration

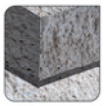
Trabajo agresivo e intenso gracias a su punta de centrado. Rapidez de taladrado y reducción de vibraciones.

Lavoro aggressivo e intenso grazie alla sua punta autocentrante. Velocità di perforazione e meno vibrazioni

Reinforced Concrete

hormigón armado

cemento armato



Concrete

Hormigón

Cemento

1090553	EAN	Ø	L	l	QTY	PCB	€
10905531200	3221910227623	12	340	200	1	1	
10905531400	3221910227630	14	340	200	1	1	
10905531600	3221910227647	16	340	200	1	1	
10905531800	3221910227654	18	340	200	1	1	

1090543	EAN	Ø	L	l	QTY	PCB	€
10905432000	3221910227586	20	320	200	1	1	
10905432200	3221910227593	22	320	200	1	1	
10905432400	3221910227609	24	320	200	1	1	
10905432500	3221910227616	25	320	200	1	1	

1090583	EAN	Ø	L	l	QTY	PCB	€
10905831200	3221910227760	12	540	400	1	1	
10905831400	3221910227777	14	540	400	1	1	
10905831600	3221910227784	16	540	400	1	1	
10905831800	3221910227791	18	540	400	1	1	

1090573	EAN	Ø	L	l	QTY	PCB	€
10905732000	3221910227722	20	520	400	1	1	
10905732200	3221910227739	22	520	400	1	1	
10905732400	3221910227746	24	520	400	1	1	
10905732500	3221910227753	25	520	400	1	1	

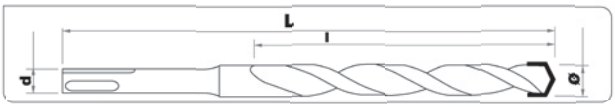
1090593	EAN	Ø	L	l	QTY	PCB	€
10905932800	3221910227807	28	520	400	1	1	
10905933000	3221910227814	30	520	400	1	1	
10905933200	3221910227821	32	520	400	1	1	
10905933500	3221910227838	35	520	400	1	1	
10905933800	3221910227845	38	520	400	1	1	
10905934000	3221910227852	40	520	400	1	1	

1090603	EAN	Ø	L	l	QTY	PCB	€
10906031600	3221910863210	16	940	800	1	1	
10906031800	3221910863227	18	940	800	1	1	
10906032000	3221910227869	20	920	800	1	1	
10906032200	3221910227876	22	920	800	1	1	
10906032500	3221910227883	25	920	800	1	1	
10906033200	3221910227890	32	920	800	1	1	
10906034000	3221910863234	40	920	800	1	1	

POINTED CHISEL | DEMOLITION ACCESSORIES

PUNTERO / ACCESORIOS DEMOLICIÓN

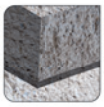
SCALPELLO A PUNTA | ACCESSORI DA DEMOLIZIONE



Designed for heavy demolition tasks. Very effective tool -ideal for breaking concrete

Específico para trabajos de demolición. Gran capacidad de arranque. Ideal para traspasar hormigón.

Accessori specifico per lavori di demolizione. Rimozione ad alta capacità. Ideale per forare il cemento.



Concrete
Hormigón
Cemento

Stone
Piedra
Pietra

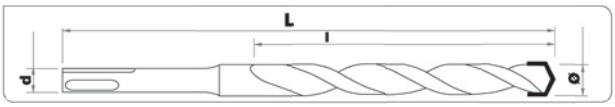
Tiles
Azulejo
Piastrelle

1090613	EAN	Ø	L	QTY	PCB	€
109061328000	3221910227906		280	1	1	
109061340000	3221910227913		400	1	1	
109061360000	3221910863289		600	1	1	

FLAT CHISEL | DEMOLITION ACCESSORIES

CINCEL / ACCESORIOS DEMOLICIÓN

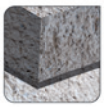
SCALPELLO PIATTO | ACCESSORI DA DEMOLIZIONE



Designed for heavy demolition tasks. Very effective tool -ideal for working in masonry

Específico para trabajos de demolición. Gran capacidad de arranque. Ideal para obras de albañilería.

Accessori specifico per lavori di demolizione. Rimozione ad alta capacità. Ideale per lavori di muratura.



Concrete
Hormigón
Cemento

Stone
Piedra
Pietra

Tiles
Azulejo
Piastrelle

1090623	EAN	Ø	L	QTY	PCB	€
1090623250280	3221910227920	25	280	1	1	
1090623250400	3221910227937	25	400	1	1	
1090623250600	3221910863302	25	600	1	1	
1090623500400	3221910863319	50	400	1	1	
1090623800300	3221910863326	80	300	1	1	
10906231150350	3221910863296	115	350	1	1	

HOLLOW CHISEL

ROZADOR

SGORBIA

Ø 26x300 mm

1090633260300

3221910227944

QTY	PCB	€
1	1	

Designed for heavy demolition tasks. Very effective tool -ideal for chiselling channels

Específica para trabajos de demolición. Gran capacidad de arranque. Ideal para realizar rozas.

Specifico per i lavori di demolizione. Rimozione ad alta capacità. Ideale per effettuare solchi.

COLD CHISEL

CINCEL

SCALPELLO VANGA

Ø 50x350 mm

10906330001

3221910863333

QTY	PCB	€
1	1	

Designed for heavy demolition tasks. Very effective tool -ideal for removal of rough plaster

Específico para trabajos de demolición. Gran capacidad de arranque. Ideal para eliminar el gotelé

Accessori specifico per lavori di demolizione. Rimozione ad alta capacità. Ideale per eliminare l'intonaco.

TILE CHISEL

DIN 8035 | SDS max | Ø 50x300 mm

Designed for heavy demolition tasks. Very effective tool -ideal for remcval of tiles

CINCEL AZULEJOS

Específico para trabajos de demolición. Gran capacidad de arranque. Ideal para despegar azulejos.

SCALPELLO PIASTRELLE

10906330002

3221910863340

QTY	PCB	€
1	1	

Accessori specifico per lavori di demolizione. Rimozione ad alta capacità. Ideale per scollare le piastrelle.

ANGLED CHISEL

DIN 8035 | SDS max | Ø 50x300 mm

Designed for heavy demolition tasks. Very effective tool - head geometry designed for easier use

CINCEL MORTERO

Específico para trabajos de demolición. Gran capacidad de arranque y facilidad de utilización gracias a su geometría.

SCALPELLO GOMITO

10906330003

3221910863357

QTY	PCB	€
1	1	

Accessori specifico per lavori di demolizione. Rimozione ad alta capacità grazie alla sua geometria.

CHASING CHANNEL

DIN 8035 | SDS max | Ø 32x300 mm

For heavy demolition tasks. Very effective tool -ideal for chiselling deep channels

CINCEL CANAL

Específico para trabajos de demolición. Gran capacidad de arranque. Ideal para realizar rozas.

SCALPELLO SCANALATORE

10906330004

3221910863364

QTY	PCB	€
1	1	

Accessori specifico per lavori di demolizione. Rimozione ad alta capacità. Ideale per effettuare solchi profondi.

COMB CHISEL

DIN 8035 | SDS max | Ø 32x300 mm

Designed for heavy demolition tasks. Very effective tool -ideal for facades

CINCEL DENTADO

Accesorios específicos para trabajos de demolición. Gran capacidad de arranque. Especial fachadas.

SCALPELLO DENTELLATO

10906330005

3221910863371

QTY	PCB	€
1	1	

Accessori specifico per lavori di demolizicne. Rimozione ad alta capacità. Speciale facciate.

CARBIDE COMB CHISEL

CINCEL DENTADO METAL DURO

SCALPELLO DENTELLATO HM

10906330006

3221910863388

QTY	PCB	€
1	1	

Designed for heavy demolition tasks. Very effective tool -ideal for facades

Accesorios específicos para trabajos de demolición. Gran capacidad de arranque. Especial fachadas.

Accessori specifico per lavori di demolizicne. Rimozione ad alta capacità. Speciale facciate.

MORTAR CHISEL

CINCEL MORTERO

SCALPELLO MALTA

10906330007

3221910863395

QTY	PCB	€
1	1	

Designed for heavy demolition tasks. Very effective tool -ideal for mortar raking/ removal

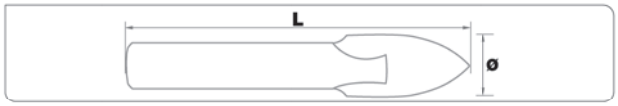
Accesorios específicos para trabajos de demolición. Gran capacidad de arranque. Ideal para eliminar el mortero

Accessori specifico per lavori di demolizione. Rimozione ad alta capacità. Ideale per evacuare malte.

GLASS DRILL BIT | ROUND SHANK | APPLICATION SPECIFIC

BROCA VIDRIO | MANGO CILÍNDRICO | USO ESPECÍFICO

PUNTA VETRO | CODOLO CILINDRICO | USO SPECIFICO



Pointed Carbide tip ensures toughness & precision .For rotary drilling only with lubricant (water or turpentine)

Precisión gracias a su punta de metal duro afilada. Rotación únicamente + lubricación. (agua, aguarrás)

Precisione grazie alla sua punta in carburo. Utilizzare con avvitatore senza percussione e lubrificare.

Glass
Vidrio
Vetro

1200042	EAN	Ø	L	QTY	PCB	€
12000420400	3221910007515	4	65	1	1	
12000420500	3221910007522	5	65	1	1	
12000420600	3221910007539	6	65	1	1	
12000420700	3221910007546	7	70	1	1	
12000420800	3221910007553	8	70	1	1	

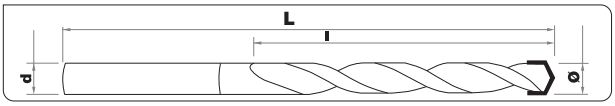
1200044	EAN	Ø	L	QTY	PCB	€
12000440400	3221910205850	4	65	1	1	
12000440500	3221910205867	5	65	1	1	
12000440600	3221910205874	6	65	1	1	
12000440700	3221910205881	7	70	1	1	
12000440800	3221910205898	8	70	1	1	

#09

TILE DRILL BIT | ROUND SHANK | APPLICATION SPECIFIC

BROCA AZULEJO | MANGO CILÍNDRICO | USO ESPECÍFICO

PUNTA PIASTRELLE | CODOLO CILINDRICO | USO SPECIFICO



Pointed Carbide tip ensures toughness & precision .For rotary drilling only.

Precisión y resistencia gracias a su punta de metal duro afilada. Taladrado en rotación únicamente.

Precisione grazie alla sua punta in carburo. Utilizzare con avvitatore senza percussione.

Tiles

Azulejo

Piastrelle

Plaster

Loza

Maiolica

1200032	EAN	Ø	L	l	QTY	PCB	€
12000320400	3221910203788	4	75	40	1	1	
12000320500	3221910203795	5	85	40	1	1	
12000320600	3221910203801	6	100	60	1	1	
12000320700	3221910203818	7	100	60	1	1	
12000320800	3221910203825	8	120	80	1	1	
12000321000	3221910853228	10	120	80	1	1	
12000321200	3221910853235	12	120	80	1	1	

1200034	EAN	Ø	L	l	QTY	PCB	€
12000340400	3221910205805	4	75	40	1	1	
12000340500	3221910205812	5	85	40	1	1	
12000340600	3221910205829	6	100	60	1	1	
12000340700	3221910205836	7	100	60	1	1	
12000340800	3221910205843	8	120	80	1	1	
12000341000	3221910866327	10	120	80	1	1	
12000341200	3221910866334	12	120	80	1	1	

DIAMOND DRILL BIT | HEX SHANK | HEAVY DUTY

BROCA DIAMOND | MANGO HEXAGONAL | USO INTENSIVO

PUNTA DIAMANTATA | CODOLO ESAGONALE | USO INTENSIF

Diamond grit edged tip ensures fast & easy drilling. REQUIRES water cooling

Rapidez y confort de taladrado gracias a sus partículas de Diamante. Atención: necesario lubricación con agua.

Rapidità di foratura grazie al deposito di particelle di diamante. Attenzione: Indispensabile l'utilzzo d'acqua.

Tiles
Gres cerámico
Gres porcellanato

Marble
Mármol
marmo

1200052	EAN	Ø	L	I	QTY	PCB	€
12000520500	3221910853471	5	55	30	1	1	
12000520600	3221910853488	6	55	30	1	3	
12000520700	3221910853518	7	55	30	1	1	
12000520800	3221910853525	8	55	30	1	3	
12000521000	3221910853495	10	55	30	1	3	
12000521200	3221910853501	12	55	30	1	1	
12000521500	3221910854195	15	55	30	1	1	
12000522000	3221910854201	20	55	30	1	1	
12000522500	3221910854218	25	55	30	1	1	

1200054	EAN	Ø	L	I	QTY	PCB	€
12000540500	3221910866358	5	55	30	1	1	
12000540600	3221910866365	6	55	30	1	3	
12000540700	3221910866372	7	55	30	1	1	
12000540800	3221910866389	8	55	30	1	3	
12000541000	3221910866396	10	55	30	1	3	
12000541200	3221910866402	12	55	30	1	1	
12000541500	3221910866419	15	55	30	1	1	
12000542000	3221910866426	20	55	30	1	1	
12000542500	3221910866433	25	55	30	1	1	
12000540001	3221910880927	5-6-8	55	30	3	1	
12000540002	3221910880934	8-10-12	55	30	3	1	

DIAMOND DRILL GUIDE

GUÍA DE BROCA DIAMOND

GUIDA DE PUNTE DIAMANTATA

The drill guide and water lubrication. Using horizontal and vertical with its oblique tank.

Guía de perforación y la lubricación de agua. Uso horizontal y vertical con su tanque oblicua.

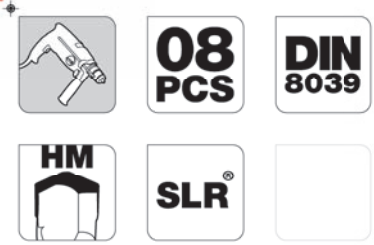
Guida di perforazione e lubrificazione con acqua. Utilizzando guida orizzontale e verticale con serbatoio obliqua.

Tiles
Gres cerámico
Gres porcellanato

Marble
Mármol
marmo

1110092	EAN	Ø	QTY	PCB	€
11100920003	3221910900052	5>15	1	1	
11100920004	3221910900069	20>25	1	1	

B44 GREEN SLR SET



Depth Mkd GREEN MASONRY bits ø 4-5-6-8-10mm

EST. B44 GREEN

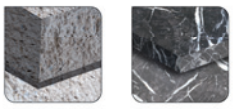
Brocas HORMIGÓN GREEN GRADUADAS ø 3-4-5-6-7-8-9-10 mm

COF. B44 GREEN

10960470033

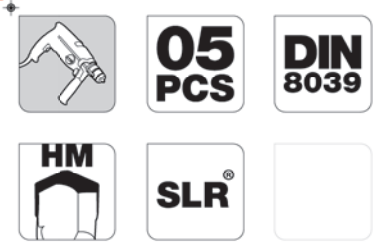
3221910880378

QTY	PCB	€
8	1	



Punte CEMENTO GREEN GRADUATA ø 3-4-5-6-7-8-9-10 mm

B43 GREEN SLR SET



Depth Mkd GREEN MASONRY bits ø 4-5-6-8-10mm

EST. B43 GREEN SLR

Brocas HORMIGÓN GREEN GRADUADAS ø 4-5-6-8-10 mm

COF. B43 GREEN SLR

10960470034

3221910880385

QTY	PCB	€
5	1	

Punte CEMENTO GREEN GRADUATA ø 4-5-6-8-10 mm

B31 IND SLR SET

Depth marked MASONRY bits ø 4-5-6-8mm

EST. B31 IND SLR

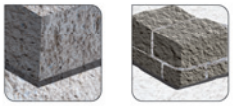
Brocas HORMIGÓN IND GRADUADAS ø 4-5-6-8 mm

COF. B31 IND SLR

10960370032

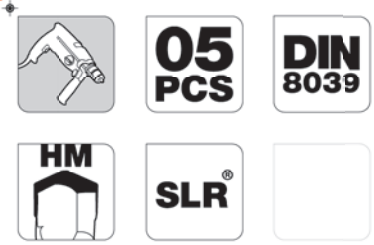
3221910840815

QTY	PCB	€
4	1	



Punte CEMENTO IND GRADUATA ø 4-5-6-8 mm

B32 IND SLR SET



Depth marked MASONRY bits ø 4-5-6-8-10mm

EST. B32 IND SLR

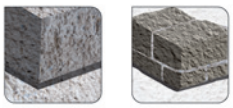
Brocas HORMIGÓN IND GRADUADAS 4-5-6-8-10mm

COF. B32 IND SLR

10960370033

3221910840822

QTY	PCB	€
5	1	



Punte CEMENTO IND GRADUATA ø 4-5-6-8-10 mm

B33 IND SLR SET

08 PCS · DIN 8039 · HM · SLR®

Depth marked MASONRY bits ø 3-4-5-6-7-8-9-10mm

EST. B33 IND SLR

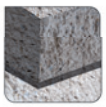
Brocas HORMIGÓN IND GRADUADAS ø 4-5-6-8-10 mm

COF. B33 IND SLR

10960370034

3221910840839

QTY	PCB	€
8	1	



Punte CEMENTO IND GRADUATA ø 3-4-5-6-7-8-9-10 mm

412 IND SLR SET

07 PCS · DIN 8039 · HM · SLR®

Depth marked MASONRY bits ø 4 à 8 mm + 10 + 12 mm

EST. 412 IND SLR

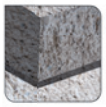
Brocas HORMIGÓN IND GRADUADAS ø 4 à 8 mm + 10 + 12 mm

COF. 412 IND SLR

10960370018

3221910849399

QTY	PCB	€
7	1	



Punte CEMENTO IND GRADUATA ø 4 à 8 mm + 10 + 12 mm

T12 IND SLR CASE

12 PCS · DIN 8039 · HM · SLR®

Depth marked MASONRY bits ø 3-4-5-6-7-8-8-9-10-11-12mm

EST. T12 IND SLR

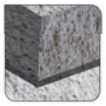
Brocas HORMIGÓN IND GRADUADAS ø 3-4-5-6-6-7-8-8-9-10-11-12 mm

COF. T12 IND SLR

10960370012

3221910880255

QTY	PCB	€
12	1	



Punte CEMENTO IND GRADUATA ø 3-4-5-6-6-7-8-8-9-10-11-12 mm

B21 PRO MASONRY SET

04 PCS · DIN 8039 · HM

PRO MASONRY BITSø 4-5-6-8 mm

EST. B21 PRO

Broca HORMIGÓN PRO ø 4-5-6-8 mm

COF. B21 PRO

10900270032

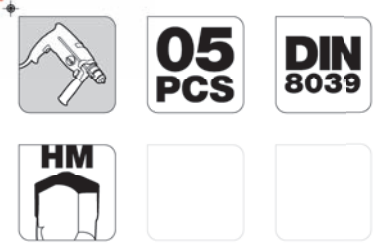
3221910050863

QTY	PCB	€
4	1	

Punte CEMENTO PRO ø 4-5-6-8 mm

#09

B22 PRO MASONRY SET



PRO MASONRY BITSø 4-5-6-8-10 mm

EST. B22 PRO

Broca HORMIGÓN PRO ø 4-5-6-8-10 mm

COF. B22 PRO

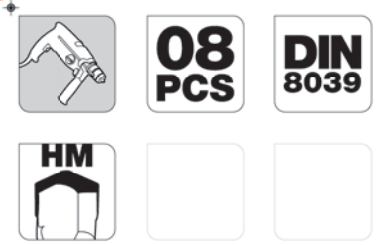
10900270033

3221910050870

QTY	PCB	€
5	1	

Punte CEMENTO PRO ø 4-5-6-8-10 mm

B23 PRO MASONRY SET



PRO MASONRY BITSø 3-4-5-6-7-8-9-10 mm

EST. B23 PRO

Broca HORMIGÓN PRO ø 3-4-5-6-7-8-9-10 mm

COF. B23 PRO

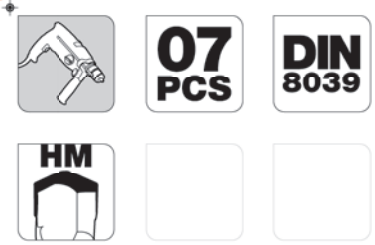
10900270034

3221910050887

QTY	PCB	€
8	1	

Punte CEMENTO PRO ø 3-4-5-6-7-8-9-10 mm

412 PRO MASONRY SET



PRO MASONRY BITSø 4 à 8 mm + 10 + 12 mm

EST. 412 PRO

Broca HORMIGÓN PRO ø 4 à 8 mm + 10 + 12 mm

COF. 412 PRO

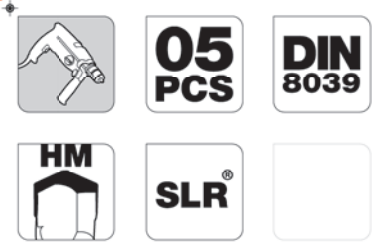
10900270018

3221910042011

QTY	PCB	€
7	1	

Punte CEMENTO PRO ø 4 à 8 mm + 10 + 12 mm

B22 PRO SLR SET



Depth marked MASONRY

EST. B22 PRO SLR

Brocas HORMIGÓN PRO GRADUADAS ø 4-5-6-8-10 mm

COF. B22 PRO SLR

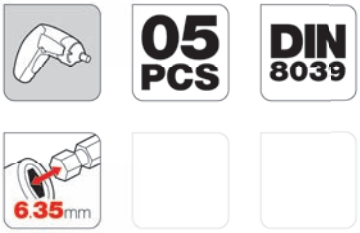
10960270033

3221910849368

QTY	PCB	€
5	1	

Punte CEMENTO PRO GRADUATA ø 4-5-6-8-10 mm

B5 MASONRY HEXA SET



HEX Shank MASONRY BITS ø 3-4-5-6-8 mm

EST. B5 HEXA

Brocas HORMIGÓN HEXA ø 3-4-5-6-8 mm

COF. B5 ESAGONALE

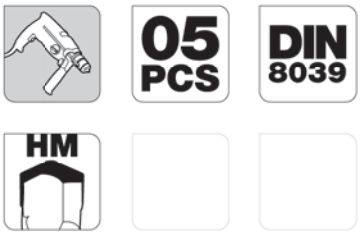
10901670001

3221910866600

QTY	PCB	€
5	1	

Punte CEMENTO ESAGONALE ø 3-4-5-6-8 mm

SET OF 3 DRILL BIT MIXTE



MULTIMATERIAL Drill bits ø4-5-6-8-10 mm

EST. 3 EN 1

Brocas MULTI-MATERIAL ø 4-5-6-8-10 mm

COF. 3 IN 1

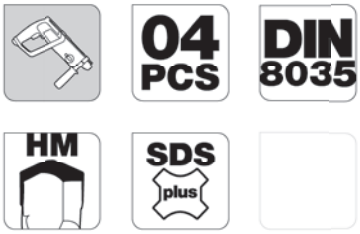
11901770001

3221910222376

QTY	PCB	€
5	1	22,33

Punte MULTI-MATERIALI ø 4-5-6-8-10 mm

E11 SDS+ HAMMER BIT SET



SDS+ Bits Two Flute - L110 ø5-6 mm / L160 ø 8-10 mm

EST. E11 SDS+

Broca SDS+ doble canal. L110 ø5-6 mm / Lg 160 ø 8-10 mm

COF. E11 SDS+

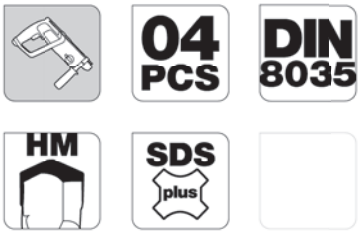
10901070015

3221910075071

QTY	PCB	€
4	1	

Punte SDS+ dcppia gola di scarico - L110 ø5-6 mm / Lg 160 ø 8-10 mm

E12 SDS+ HAMMER BIT SET



SDS+ Bits Two Flute - L160 ø 6-8-10-12 mm

EST. E12 SDS+

Broca SDS+ doble canal. - L160 ø 6-8-10-12 mm

COF. E12 SDS+

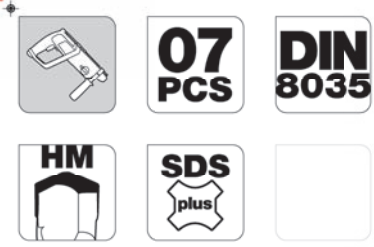
10901070020

3221910075125

QTY	PCB	€
4	1	

Punte SDS+ doppia gola di scarico - L160 ø 6-8-10-12 mm

PERFO 512 SDS+ SET



SDS+ Bits Two Flute : L110 ø5-6-8 mm / L160 ø6-8-10-12 mm

EST. PERFO512 SDS+

Broca SDS+ doble canal. L110 ø5-6-8 mm / L160 ø6-8-10-12 mm

COF. PERFO 512

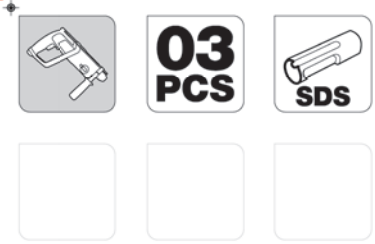
10901070005

3221910039134

QTY	PCB	€
7	1	

Punte SDS+ doppia gola di scarico : L110 ø5-6-8 mm / L160 ø6-8-10-12 mm

KOMPACT DRILL BIT KIT



SDS+ Chisels: Point L140 mm / Flat 20x140 / 40x140

KIT KOMPACT

Accesorios SDS+: Puntero L140 mm / Cincel plano 20x 140 / 40x140

KIT KOMPACT

10901070040

3221910821029

QTY	PCB	€
3	1	

Accessori SDS+ : Punta L140 mm / Scalpello piattc plat 20x140 / 40x140

DEMOLITION PACK

SDS+ Chisels: Pointed L250 mm / Flat 20x250 / 40x250

PACK DEMOLICIÓN

Accesorios SDS+: Puntero L250 mm / Cincel plano 20x 250 40x250

SET DEMOLIZIONE

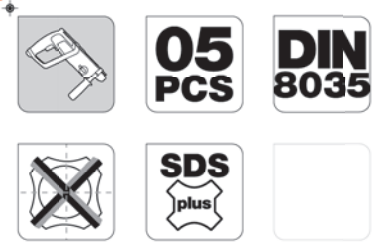
10901070043

3221910857776

QTY	PCB	€
3	1	

Accessori SDS+ : Punta L250 mm / Scalpello piattc 20x250 / 40x250

4 CUTTER HAMMER BIT SET



4 cutter carbide SDS bits : L110 ø 4-5-6 / L160 ø 5-6-7-8-9-10 mm

KIT SDS+ 4 CORTES

Brocas SDS+ 4 cortes: L110 ø 4-5-6 / L160 ø 5-6-7-8-9-10 mm

SET SDS+ 4TAILLANT

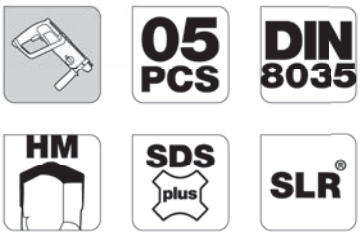
10922770001

3221910899691

QTY	PCB	€
1	1	

Punte SDS+ 4 Taglienti : L110 ø 4-5-6 / L160 ø 5-6-7-8-9-10 mm

SLR SDS HAMMER BIT SET



SDS+ Bits 2 Flute- Depth Mkd : L160 ø 6-6-8-8-10 mm

KIT SDS+ SLR

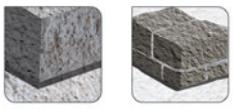
Brocas SDS+ doble hélice GRADUADAS: L160 ø 6-6-8-8-10 mm

SET SDS+ SLR

10961170001

3221910880392

QTY	PCB	€
5	1	



Punte SDS+ doppia gola di scarico GRADUATA : L160 ø 6-6-8-8-10 mm

SDS+ SET - L110

SDS+ Bits Single Flute : L110 ø 4-5-5-6-6 mm

LOT SDS+ L110

Broca SDS+ canal simple. L110 ø 4-5-5-6-6 mm

SET SDS+ L110

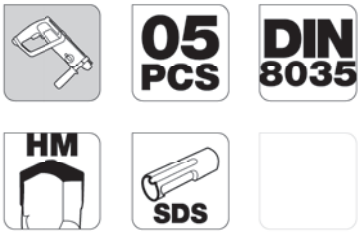
10901070046

3221910861735

QTY	PCB	€
5	3	

Punte SDS+ unica gola di scarico : L110 ø 4-5-5-6-6 mm

SDS+ SET - L160



SDS+ Bits single Flute : L160 ø 6-6-8-8-10 mm

LOT SDS+ L 160

Broca SDS+ canal simple: L160 ø 6-6-8-8-10 mm

SET SDS+ L160

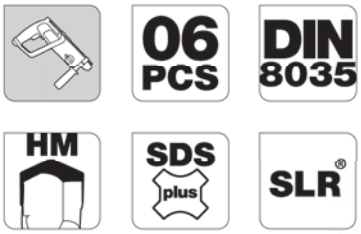
10901070047

3221910861742

QTY	PCB	€
5	3	

Punte SDS+ unica gola di scarico : L160 ø 6-6-8-8-10 mm

T6 SDS+ SLR SET



SDS+ Bits Two Flute - L110 ø5-6 mm / L160 ø 8-10 mm

MAL. T6 SDS SLR

Broca SDS+ doble canal. L110 ø5-6 mm / Lg 160 ø 8-10 mm

VAL. T6 SDS SLR

10901070030

3221910113568

QTY	PCB	€
6	1	33,29

Punte SDS+ doppia gola di scarico - L110 ø5-6 mm / Lg 160 ø 8-10 mm

T12 SDS+ STD SET

SDS+ Bits Single Flute : L110 ø 4-5-6/ L160 ø 5-6-7-8-9-10/Point + Chisel L140 mm

MAL. T12 SDS STD

Broca SDS+ canal simple: L110 ø 4-5-6/ L160 ø 5-6-7-8-9-10/Puntero + Cincel L140 mm/Accesorios

VAL. T12 SDS STD

10901070041

3221910853532

QTY	PCB	€
12	1	

Punte SDS+ unica gola di scarico : L110 ø 4-5-6/ L160 ø 5-6-7-8-9-10/Punta + scalpello L140 mm/ Accessori

V5 HEX SHANK GLASS SET

GLASS BITS HEX Shnk Ø 3-4-5-6-8 mm

EST. V5 VIDRIO HEXA

Brocas VIDRIO HEXA Ø 3-4-5-6-8 mm

COF. V5 VETRO ESAGONALE

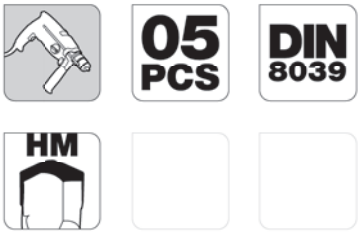
12000770001

3221910900397

QTY	PCB	€
5	1	

Punte VETRO ESAGONALE Ø 3-4-5-6-8 mm

F5 TILE DRILL BIT SET



TILE drill bits Ø 4-5-6-8-10 mm

EST. F5 AZULEJO

Brocas AZULEJOS Ø 4-5-6-8-10 mm

COF. F5 PIASTRELLE

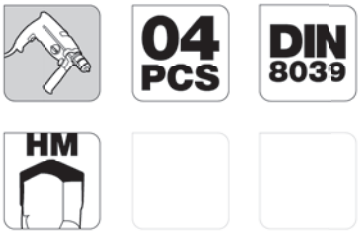
12000370001

3221910853242

QTY	PCB	€
5	1	

Punte PIASTRELLE Ø 4-5-6-8-10 mm

4 STD MASONRY SET



STANDARD masonry bits ø 4-5-6-8mm

EST. 4 HORMIGÓN STD

Brocas HORMIGÓN ESTÁNDAR ø 4-5-6-8 mm

COF. 4 CEMENTO STD

50900170017

3221910018139

QTY	PCB	€
4	1	

Punte CEMENTO STANDARD ø 4-5-6-8 mm

5 STD MASONRY SET

05 PCS

DIN 8039

HM

STANDARD masonry bits ø 4-5-6-8-10mm

EST. 4 HORMIGÓN STD

Brocas HORMIGÓN ESTÁNDAR ø 4-5-6-8-10 mm

COF. 4 CEMENTO STD

50900170018

3221910018146

QTY	PCB	€
5	1	

Punte CEMENTO STANDARD ø 4-5-6-8-10 mm

8 STD MASONRY SET

08 PCS

DIN 8039

HM

STANDARD masonry bits ø 4-5-6-7-8-10-12 mm

EST. 5 HORMIGÓN STD

Brocas HORMIGÓN ESTÁNDAR ø 4-5-6-7-8-10-12 mm

COF. 5 CEMENTO STD

50900170019

3221910018122

QTY	PCB	€
8	1	

Punte CEMENTO STANDARD ø 4-5-6-7-8-10-12 mm

7 STD MASONRY SET

07 PCS

DIN 8039

HM

STANDARD masonry bits ø 3-4-5-6-7-8-9-10mm

EST. 7 HORMIGÓN STD

Brocas HORMIGÓN ESTÁNDAR ø 3-4-5-6-7-8-9-10 mm

COF. 7 CEMENTO STD

50900170001

3221910017965

QTY	PCB	€
7	1	

Punte CEMENTO STANDARD ø 3-4-5-6-7-8-9-10 mm

SET OF 6 SDS HAMMER BITS IN POUCH

06 PCS

HM

SDS

SDS+ Bits single Flute : L110 ø 4-5mm L160 ø 6-7--8-10mm

ESTUCHE 6 SDS STD

Brocas SDS+ canal simple : L110 ø4-5 / L160 ø6-7-8-10 mm

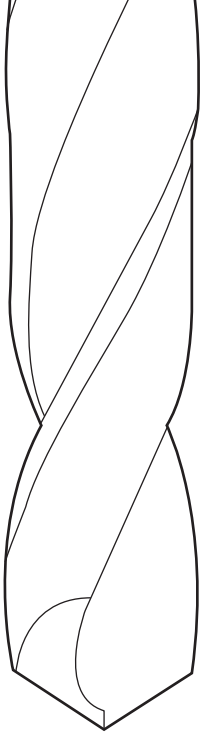
SET 6 SDS STD

50901070001

3221910835019

QTY	PCB	€
6	1	

Punte SDS+ gola di scarico : L110 ø4-5 / L160 ø6-7-8-10 mm



MASONRY 384
TALADRADO HORMIGÓN
FORATURA CEMENTO

Cylindrical/Hex shank bits. Brocas cilíndricas/Hexa. Punte cilindriche/Esagonale. #09
SDS+ Drill Bits. Brocas SDS+. Punte SDS+.
SDS Chisels. Herramientas de demolición SDS+. Utensili da demolizione SDS+.
SDS Max Drill Bits. Brocas SDSmax. Punte SDS MAX.
SDS Max Chisels. Herramientas de demolición SDSmax. Utensili da demolizione SDSmax.
Glass& Tile Bits. Brocas vidrio/azulejo/mixtas. Punte Vetro/Piastrelle/Miste.
404 Sets. Estuches. Cofanetti.

METAL 414
TALADRADO METAL
FORATURA METALLO

Cylindrical/Hex shank bits. Brocas cilíndricas/Hexa. Punte cilindriche/Esagonale. #09
HSS Step drill bits. Brocas cónicas ó brocas escalonadas. Punte coniche o punte a gradini.
Countersinks / rotary burrs. Avellanadores/ fresas limas. Svasatori / frese lima.
Taps. Machos. Maschio.
Dies. Cojinetes. Filettatura.
437 Sets. Estuches. Cofanetti.

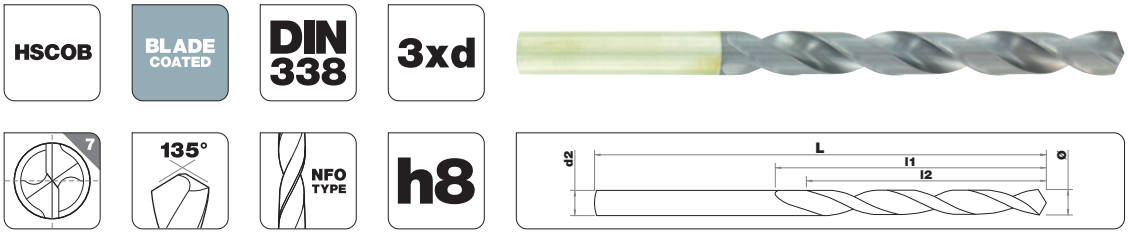
WOOD 446
TALADRADO MADERA
FORATURA LEGNO

Cylindrical/Hex shank bits. Brocas cilíndricas/Hexa. Punte cilindriche/Esagonale. #09
SDS+ Shank. Brocas SDS+. Punte SDS+.
Step drill bits. Brocas cónicas o brocas escalonadas. Punte coniche o punte a gradini.
Countersinks/Router bits. Avellanadores/ fresas para encastrar. Svasatori.
457 Sets. Estuches. Cofanetti.

HSCOB BLADE FULLY GROUND JOBBER LENGTH DRILL. 4 FACET POINT.

BROCA HSCOB BLADE RECTIFICADA CILÍNDRICA CORTA.4 CARAS.

PUNTA HSCOB BLADE CILINDRICA CORTA, TIPO N, 4 LISTELLI.



For austenitic stainless steels. Speed, life span.

Para aceros < 950 N/mm². Velocidad, duración de vida.

Foratura acciai inossidabili austenitici. Velocità e lunga durata.

Stainless Steel

Aceros inoxidables

Acciai inossidabili

1145614	EAN	Ø	d2	L	l1	QTY	PCB	€
11456140300	3221912004710	3,00	3,00	61	33	1	3	
11456140320	3221912004727	3,20	3,20	65	36	1	3	
11456140350	3221912004734	3,50	3,50	70	39	1	3	
11456140400	3221912004741	4,00	4,00	75	43	1	3	
11456140420	3221912004758	4,20	4,20	75	43	1	3	
11456140450	3221912004765	4,50	4,50	80	47	1	3	
11456140500	3221912004772	5,00	5,00	86	52	1	3	
11456140520	3221912004789	5,20	5,20	86	52	1	3	
11456140550	3221912004796	5,50	5,50	93	57	1	3	
11456140600	3221912004802	6,00	6,00	93	57	1	3	
11456140650	3221912004819	6,50	6,50	101	63	1	3	
11456140700	3221912004826	7,00	7,00	109	69	1	1	
11456140750	3221912004833	7,50	7,50	109	69	1	1	
11456140800	3221912004840	8,00	8,00	117	75	1	1	
11456140850	3221912004857	8,50	8,50	117	75	1	1	
11456140900	3221912004864	9,00	9,00	125	81	1	1	
11456140950	3221912004871	9,50	9,50	125	81	1	1	
11456141000	3221912004888	10,00	10,00	133	87	1	1	
11456141050	3221912004895	10,50	10,50	133	87	1	1	
11456141100	3221912004901	11,00	11,00	142	94	1	1	
11456141150	3221912004918	11,50	11,50	142	94	1	1	
11456141200	3221912004925	12,00	12,00	151	101	1	1	
11456141250	3221912004932	12,50	12,50	151	101	1	1	
11456141300	3221912004949	13,00	13,00	151	101	1	1	

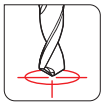
1145616	EAN	Ø	d2	L	l1	QTY	PCB	€
11456160300	3221912004567	3,00	3,00	61	33	1	1	
11456160320	3221912004574	3,20	3,20	65	36	1	1	
11456160350	3221912004581	3,50	3,50	70	39	1	1	
11456160400	3221912004598	4,00	4,00	75	43	1	1	
11456160420	3221912004611	4,20	4,20	75	43	1	1	
11456160450	3221912004628	4,50	4,50	80	47	1	1	
11456160500	3221912004635	5,00	5,00	86	52	1	1	
11456160550	3221912004659	5,50	5,50	93	57	1	1	
11456160600	3221912004666	6,00	6,00	93	57	1	1	
11456160650	3221912004673	6,50	6,50	101	63	1	1	
11456160700	3221912004680	7,00	7,00	109	69	1	1	
11456160750	3221912004697	7,50	7,50	109	69	1	1	
11456160800	3221912004703	8,00	8,00	117	75	1	1	

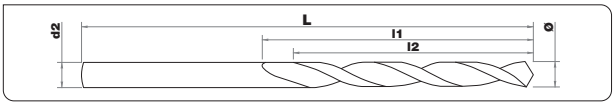
GREEN' METAL DRILL BIT I ROUND SHANK I LONG LIFE

BROCA METAL GREEN I MANGO CILÍNDRICO I USO INTENSIVO

PUNTA METALLO GREEN I CODOLO CILINDRICO I USO INTENSIVO

#09





20% Faster drilling 20% greater drilling life. Easier drilling = less energy. Depth Markings = greater precision

Rapidez: +20%. Duración de vida: +20%. Mayor confort con menos energía. Graduación= profundidad controlada.

Rapidità : +20%. Durata di vita: +20%. Più confort con meno energia .Graduato = per verificare la profondità.

Stainless Steel
Aceros inoxidables
Acciai inossidabili

Metal
Metal
Metallo

1146842	EAN	Ø	L	l	QTY	PCB	€
11438420100	3221910024826	1	34	12	1	3	
11438420150	3221910024833	1,5	40	18	1	3	
11438420200	3221910024840	2	49	24	1	3	
11438420250	3221910024857	2,5	57	30	1	3	
11468420300	3221910841089	3	61	33	1	3	
11468420320	3221910841096	3,2	65	36	1	3	
11468420330	3221910841102	3,3	65	36	1	1	
11468420350	3221910841119	3,5	70	39	1	3	
11468420400	3221910841126	4	75	43	1	3	
11468420420	3221910841133	4,2	75	43	1	3	
11468420450	3221910841140	4,5	80	47	1	3	
11468420480	3221910841157	4,8	86	52	1	1	
11468420500	3221910841164	5	86	52	1	3	
11468420520	3221910841171	5,2	86	52	1	1	
11468420550	3221910841188	5,5	93	57	1	3	
11468420600	3221910841195	6	93	57	1	3	
11468420650	3221910841218	6,5	101	63	1	3	
11468420680	3221910841225	6,8	109	69	1	1	
11468420700	3221910841232	7	109	69	1	1	
11468420750	3221910841249	7,5	109	69	1	1	
11468420800	3221910841256	8	117	75	1	1	
11468420850	3221910841263	8,5	117	75	1	1	
11468420900	3221910841270	9	125	81	1	1	
11468420950	3221910841287	9,5	125	81	1	1	
11468421000	3221910841294	10	133	87	1	1	
11468421050	3221910841317	10,5	133	87	1	1	
11468421100	3221910841324	11	142	94	1	1	
11468421200	3221910841331	12	151	101	1	1	
11468421300	3221910841348	13	151	101	1	1	

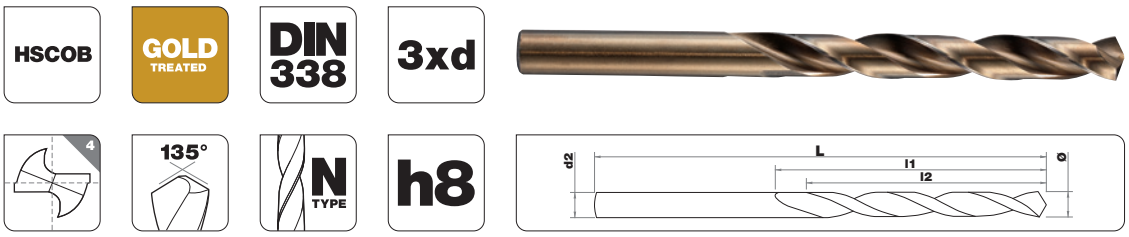
1146844	EAN	Ø	L	l	QTY	PCB	€
11438440100	3221910039592	1	34	12	1	3	
11438440150	3221910039646	1,5	40	18	1	3	
11438440200	3221910039691	2	49	24	1	3	
11438440250	3221910039745	2,5	57	30	1	3	
11468440300	3221910840846	3	61	33	1	3	
11468440320	3221910840853	3,2	65	36	1	3	
11468440350	3221910840860	3,5	70	39	1	3	
11468440400	3221910840877	4	75	43	1	3	
11468440420	3221910840884	4,2	75	43	1	3	
11468440450	3221910840891	4,5	80	47	1	3	
11468440500	3221910840907	5	86	52	1	3	
11468440520	3221910840914	5,2	86	52	1	3	
11468440550	3221910840921	5,5	93	57	1	3	
11468440600	3221910840938	6	93	57	1	3	
11468440650	3221910840945	6,5	101	63	1	3	
11468440700	3221910840952	7	109	69	1	1	
11468440750	3221910840969	7,5	109	69	1	1	
11468440800	3221910840976	8	117	75	1	1	
11468440850	3221910840983	8,5	117	75	1	1	
11468440900	3221910840990	9	125	81	1	1	
11468440950	3221910841003	9,5	125	81	1	1	
11468441000	3221910841010	10	133	87	1	1	
11468441050	3221910841027	10,5	133	87	1	1	
11468441100	3221910841034	11	142	94	1	1	

1146844	EAN	Ø	L	l	QTY	PCB	€
11468441200	3221910841058	12	151	101	1	1	
11468441300	3221910841072	13	151	101	1	1	

HSCOB FULLY GROUND JOBBER LENGTH DRILL | T LINE

BROCA HSCOB RECTIFICADA CILÍNDRICA. SERIE CORTA | T LINE

PUNTA HSCOB CILINDRICA CORTA. TIPO N | T LINE



For steels and austenitic stainless steels.

Para aceros y aceros inoxidables austeníticos.

Foratura acciai e acciai inossidabili austenitici.

Metal

Metal

Metallo

1145504	EAN	Ø	L	l	QTY	PCB	€
11455040100	3221912002259	1	34	12	1	6	
11455040150	3221912002266	1,5	40	18	1	6	
11455040200	3221912002273	2	49	24	1	6	
11455040225	3221912002280	2,25	53	27	1	6	
11455040250	3221912002297	2,5	57	30	1	6	
11455040300	3221912002303	3	61	33	1	6	
11455040325	3221912002310	3,25	65	36	1	6	
11455040350	3221912002327	3,5	70	39	1	6	
11455040400	3221912002334	4	75	43	1	6	
11455040425	3221912002341	4,25	75	43	1	6	
11455040450	3221912002358	4,5	80	47	1	6	
11455040500	3221912002365	5	86	52	1	6	
11455040550	3221912002372	5,5	93	57	1	6	
11455040600	3221912002389	6	93	57	1	6	
11455040650	3221912002396	6,5	101	63	1	6	
11455040700	3221912002402	7	109	69	1	6	
11455040750	3221912002419	7,5	109	69	1	3	
11455040800	3221912002426	8	117	75	1	3	
11455040850	3221912002433	8,5	117	75	1	3	
11455040900	3221912002440	9	125	81	1	3	
11455040950	3221912002457	9,5	125	81	1	3	
11455041000	3221912002464	10	133	87	1	3	
11455041050	3221912002471	10,5	133	87	1	1	
11455041100	3221912002488	11	142	94	1	1	
11455041150	3221912002495	11,5	142	94	1	1	
11455041200	3221912002501	12	151	101	1	1	
11455041250	3221912002518	12,5	151	101	1	1	
11455041300	3221912002525	13	151	101	1	1	

TZX | HSS FLAM FULLY GROUND JOBBER LENGTH DRILL. SPLIT POINT.

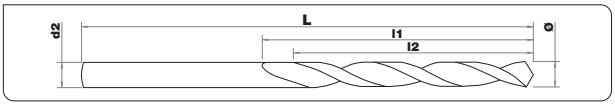
TZX | BROCA HSS FLAM RECTIFICADA CILÍNDRICA CORTA.PUNTA EN CRUZ.

TZX | PUNTA TZX HSS FLAM CILINDRICA CORTA. TIPO N, AFFILATURA A CROCE.

#09

HSS | FLAM COATED | DIN 338 | 3xd

4 | 135° | N TYPE | h8



For steels < 950 N/mm². Speed, life span.

Para aceros < 950 N/mm². Velocidad, duración de vida.

Foratura di acciai <950 N/mm². Velocità e lunga durata .

Metal
Metal
Metallo

Cast iron
Fundiciones
Ghisa

1145404	EAN	Ø	d2	L	l1	QTY	PCB	€
11454040100	3221910864989	1,00	1,00	34	12	1	6	
11454040150	3221910864996	1,50	1,50	40	18	1	6	
11454040200	3221910865009	2,00	2,00	49	24	1	6	
11454040250	3221910865016	2,50	2,50	57	30	1	6	
11454040300	3221910865023	3,00	3,00	61	33	1	6	
11454040320	3221910865030	3,20	3,20	65	36	1	6	
11454040350	3221910865047	3,50	3,50	70	39	1	6	
11454040400	3221910865054	4,00	4,00	75	43	1	6	
11454040420	3221910865061	4,20	4,20	75	43	1	6	
11454040450	3221910865078	4,50	4,50	80	47	1	6	
11454040500	3221910865085	5,00	5,00	86	52	1	6	
11454040550	3221910865092	5,50	5,50	93	57	1	6	
11454040600	3221910865108	6,00	6,00	93	57	1	6	
11454040650	3221910865115	6,50	6,50	101	63	1	6	
11454040680	3221910865122	6,80	6,80	109	69	1	6	
11454040700	3221910865139	7,00	7,00	109	69	1	6	
11454040750	3221910865146	7,50	7,50	109	69	1	3	
11454040800	3221910865153	8,00	8,00	117	75	1	3	
11454040850	3221910865160	8,50	8,50	117	75	1	3	
11454040900	3221910865177	9,00	9,00	125	81	1	3	
11454040950	3221910865184	9,50	9,50	125	81	1	3	
11454041000	3221910865191	10,00	10,00	133	87	1	3	
11454041050	3221910865207	10,50	10,50	133	87	1	1	
11454041100	3221910865214	11,00	11,00	142	94	1	1	
11454041150	3221910865221	11,50	11,50	142	94	1	1	
11454041200	3221910865238	12,00	12,00	151	101	1	1	
11454041250	3221910865245	12,50	12,50	151	101	1	1	
11454041300	3221910865252	13,00	13,00	151	101	1	1	

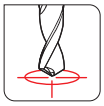
1145406	EAN	Ø	d2	L	l1	QTY	PCB	€
11454060100	3221910849061	1,00	1,00	34	12	1	1	
11454060150	3221910849078	1,50	1,50	40	18	1	1	
11454060200	3221910849085	2,00	2,00	49	24	1	1	
11454060250	3221910849092	2,50	2,50	57	30	1	1	
11454060300	3221910849108	3,00	3,00	61	33	1	1	
11454060320	3221910849115	3,20	3,20	65	36	1	1	
11454060350	3221910849122	3,50	3,50	70	39	1	1	
11454060400	3221910849139	4,00	4,00	75	43	1	1	
11454060420	3221910849146	4,20	4,20	75	43	1	1	
11454060450	3221910849153	4,50	4,50	80	47	1	1	
11454060500	3221910849160	5,00	5,00	86	52	1	1	
11454060520	3221910849177	5,20	5,20	86	52	1	1	
11454060550	3221910849184	5,50	5,50	93	57	1	1	
11454060600	3221910849191	6,00	6,00	93	57	1	1	
11454060650	3221910849207	6,50	6,50	101	63	1	1	
11454060680	3221910849214	6,80	6,80	109	69	1	1	
11454060700	3221910849221	7,00	7,00	109	69	1	1	
11454060750	3221910849238	7,50	7,50	109	69	1	1	
11454060800	3221910849245	8,00	8,00	117	75	1	1	
11454060850	3221910849252	8,50	8,50	117	75	1	1	
11454060900	3221910849269	9,00	9,00	125	81	1	1	
11454060950	3221910849276	9,50	9,50	125	81	1	1	
11454061000	3221910849283	10,00	10,00	133	87	1	1	
11454061100	3221910849290	11,00	11,00	142	94	1	1	
11454061200	3221910849306	12,00	12,00	151	101	1	1	
11454061300	3221910849313	13,00	13,00	151	101	1	1	

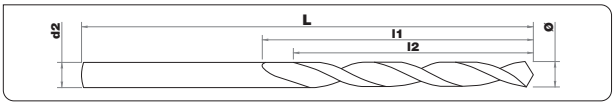
TIN' METAL DRILL BIT | REDUCED SHANK | LONG LIFE

BROCA METAL "TIN" / MANGO CILÍNDRICO / USO INTENSIVO

PUNTA METALLO "TIN" | CODOLO CILINDRICO | USO INTENSIVO

#09





TITANIUM coated HSS bit. Split point tip geometry ensures durability as well as fast accurate drilling.

Gran duración de vida gracias a su recubrimiento TITANIO. Rapidez, precisión y confort de taladrado gracias a su afilado

Grande durata grazie al suo rivestimento in TITANIO. Velocità, precisione e comfort grazie alla sua affilatura a croce.

Metal
Metal
Metallo

Cast iron
Fundiciones
Ghisa

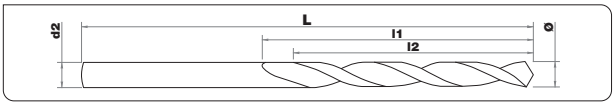
1143732	EAN	Ø	L	l	QTY	PCB	€
11437320200	3221910007331	2	49	24	1	3	
11437320250	3221910007348	2,5	57	30	1	3	
11437320300	3221910007355	3	61	33	1	3	
11437320350	3221910007379	3,5	70	39	1	3	
11437320400	3221910007386	4	75	43	1	3	
11437320420	3221910007393	4,2	75	43	1	1	
11437320450	3221910007409	4,5	80	47	1	3	
11437320500	3221910007416	5	86	52	1	3	
11437320550	3221910007430	5,5	93	57	1	3	
11437320600	3221910007447	6	93	57	1	3	
11437320650	3221910556143	6,5	101	63	1	1	
11437320700	3221910007454	7	109	69	1	1	
11437320800	3221910007461	8	117	75	1	1	
11437321000	3221910007478	10	133	87	1	1	
11437321200	3221910556198	12	151	101	1	1	

1143734	EAN	Ø	L	l	QTY	PCB	€
11437340200	3221910025892	2	49	24	1	3	
11437340250	3221910025908	2,5	57	30	1	3	
11437340300	3221910025915	3	61	33	1	3	
11437340320	3221910025922	3,2	65	36	1	3	
11437340350	3221910025939	3,5	70	39	1	3	
11437340400	3221910025946	4	75	43	1	3	
11437340420	3221910025953	4,2	75	43	1	3	
11437340450	3221910025960	4,5	80	47	1	3	
11437340500	3221910025977	5	86	52	1	3	
11437340520	3221910025984	5,2	86	52	1	3	
11437340550	3221910025991	5,5	93	57	1	3	
11437340600	3221910026004	6	93	57	1	3	
11437340700	3221910026011	7	109	69	1	1	
11437340800	3221910026028	8	117	75	1	1	
11437341000	3221910026035	10	133	87	1	1	

TX' METAL DRILL BIT I ROUND SHANK I GENERAL PURPOSE

BROCA METAL "TX" / MANGO CILÍNDRICO / USO CORRIENTE

PUNTA METALLO "TX" I CODOLO CILINDRICO I USO CORRENTE



HSS ground bit. Split point tip geometry ensures durability as well as accurate drilling.

Rapidez, precisión y confort de taladrado gracias a su afilado en cruz. Broca HSS rectificada.

Velocità, precisione e comfort grazie alla sua affilatura a croce. Punta HSS tagliata e molata.

Metal
Metal
Metallo

Aluminium Profiles
Perfiles aluminio
Profilo d'alluminio

1143672	EAN	Ø	L	l	QTY	PCB	€
11436720080	3221910005610	0,8	30	10	2	1	
11436720100	3221910005634	1	34	12	2	6	
11436720120	3221910005658	1,2	38	16	2	1	
11436720150	3221910005689	1,5	40	18	2	6	
11436720180	3221910005719	1,8	46	22	2	1	
11436720200	3221910005733	2	49	24	2	6	
11436720220	3221910005757	2,2	53	27	2	1	
11436720250	3221910005788	2,5	57	30	2	6	
11436720280	3221910005818	2,8	61	33	2	1	
11436720300	3221910005832	3	61	33	2	6	
11436720320	3221910005856	3,2	65	36	2	6	
11436720330	3221910005863	3,3	65	36	2	1	
11436720350	3221910005887	3,5	70	39	2	6	
11436720380	3221910005917	3,8	75	43	2	1	
11436720400	3221910005931	4	75	43	2	6	
11436720420	3221910005955	4,2	75	43	2	6	
11436720450	3221910005986	4,5	80	47	2	6	
11436720480	3221910006013	4,8	86	52	2	1	
11436720500	3221910006037	5	86	52	2	6	
11436720520	3221910006051	5,2	86	52	2	1	
11436720550	3221910006082	5,5	93	57	2	6	
11436720600	3221910006136	6	93	57	2	6	
11436720620	3221910006150	6,2	101	63	1	1	
11436720650	3221910006181	6,5	101	63	1	6	
11436720680	3221910006211	6,8	109	69	1	1	
11436720700	3221910006235	7	109	69	1	6	
11436720750	3221910006280	7,5	109	69	1	3	
11436720800	3221910006334	8	117	75	1	3	
11436720850	3221910006389	8,5	117	75	1	3	
11436720900	3221910006433	9	125	81	1	3	
11436720950	3221910006488	9,5	125	81	1	1	
11436721000	3221910006532	10	133	87	1	3	
11436721020	3221910006556	10,2	133	87	1	1	
11436721050	3221910006570	10,5	133	87	1	1	
11436721100	3221910006587	11	142	94	1	1	
11436721150	3221910006594	11,5	142	94	1	1	
11436721200	3221910006600	12	151	101	1	1	
11436721250	3221910006617	12,5	151	101	1	1	
11436721300	3221910006624	13	151	101	1	1	

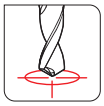
1143674	EAN	Ø	L	l	QTY	PCB	€
11436740100	3221910082208	1	34	12	2	6	
11436740150	3221910082215	1,5	40	18	2	6	
11436740200	3221910025366	2	49	24	2	6	
11436740220	3221910025373	2,2	53	27	2	6	
11436740250	3221910025380	2,5	57	30	2	6	
11436740280	3221910082222	2,8	61	33	2	6	
11436740300	3221910025397	3	61	33	2	6	
11436740320	3221910025403	3,2	65	36	2	6	
11436740350	3221910025427	3,5	70	39	2	6	
11436740380	3221910082239	3,8	75	43	2	6	
11436740400	3221910025434	4	75	43	2	6	
11436740420	3221910025441	4,2	75	43	2	6	
11436740450	3221910025458	4,5	80	47	2	6	
11436740480	3221910025465	4,8	86	52	2	6	
11436740500	3221910025472	5	86	52	2	6	

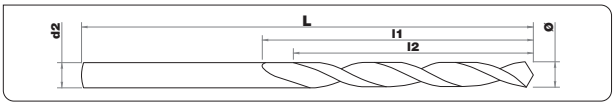
1143674	EAN	Ø	L	l	QTY	PCB	€
11436740520	3221910025489	5,2	86	52	1	6	
11436740550	3221910025496	5,5	93	57	1	6	
11436740580	3221910025502	5,8	93	57	1	6	
11436740600	3221910025519	6	93	57	1	6	
11436740620	3221910025526	6,2	101	63	1	6	
11436740650	3221910025533	6,5	101	63	1	6	
11436740680	3221910025540	6,8	109	69	1	6	
11436740700	3221910025557	7	109	69	1	6	
11436740750	3221910025564	7,5	109	69	1	3	
11436740800	3221910025571	8	117	75	1	3	
11436740850	3221910025588	8,5	117	75	1	3	
11436740900	3221910025595	9	125	81	1	3	
11436740950	3221910025601	9,5	125	81	1	3	
11436741000	3221910025618	10	133	87	1	3	
11436741020	3221910082246	10,2	133	87	1	1	
11436741050	3221910025632	10,5	133	87	1	1	
11436741100	3221910025649	11	142	94	1	1	
11436741150	3221910025656	11,5	142	94	1	1	
11436741200	3221910025663	12	151	101	1	1	
11436741250	3221910025670	12,5	151	101	1	1	
11436741300	3221910025687	13	151	101	1	1	

METAL DRILL BIT | REDUCED SHANK | GENERAL PURPOSE

BROCA METAL / MANGO REDUCIDO / USO CORRIENTE

PUNTA METALLO | CODOLO CILINDRICO RIDOTTO | USO CORRENTE





HSS ground bit. Split point tip geometry ensures durability as well as accurate drilling. Reduced shank.

Rapidez, precisión y confort de taladrado gracias a su afilado en cruz. Broca Mango reducido HSS rectificada.

Velocità, precisione e comfort grazie alla sua affilatura a croce. Punta a codolo ridotto HSS tagliato e molato.

Metal
Metal
Metallo

Aluminium Profiles
Perfiles aluminio
Profilo d'alluminio

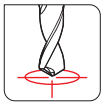
1143682	EAN	Ø	L	l	QTY	PCB	€
11436821400	3221910005450	14	160	108	1	1	
11436821500	3221910005474	15	169	114	1	1	
11436821600	3221910005498	16	178	120	1	1	
11436821800	3221910005535	18	191	130	1	1	
11436822000	3221910005573	20	205	140	1	1	

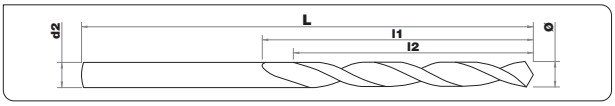
1143684	EAN	Ø	L	l	QTY	PCB	€
11436841350	3221910025755	13,5	160	108	1	1	
11436841400	3221910025762	14	160	108	1	1	
11436841450	3221910025779	14,5	169	114	1	1	
11436841500	3221910025786	15	169	114	1	1	
11436841550	3221910025793	15,5	178	120	1	1	
11436841600	3221910025809	16	178	120	1	1	
11436841650	3221910025816	16,5	184	125	1	1	
11436841700	3221910025823	17	184	125	1	1	
11436841750	3221910025830	17,5	191	130	1	1	
11436841800	3221910025847	18	191	130	1	1	
11436841850	3221910025854	18,5	198	135	1	1	
11436841900	3221910025861	19	198	135	1	1	
11436841950	3221910025878	19,5	205	140	1	1	
11436842000	3221910025885	20	205	140	1	1	

"TS" METAL DRILL BIT | ROUND SHANK | GENERAL PURPOSE

BROCA METAL "TS" | MANGO CILÍNDRICO | USO CORRIENTE

PUNTA METALLO "TS" | CODOLO CILINDRICO | USO CORRENTE





Ground HSS drill bit. For fast accurate drilling

Rapidez y precisión de taladrado. Broca HSS rectificada.

Foratura rapida e precisa.Punta HSS tagliato e molato.

Metal

Metal

Metallo

Aluminium Profiles

Perfiles aluminio

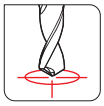
Profilo d'alluminio

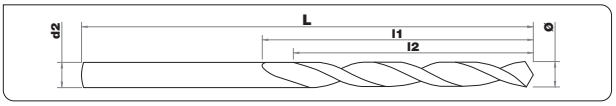
1143774	EAN	ø	L	l	QTY	PCB	€
11437740100	3221910205904	1	34	12	2	6	
11437740150	3221910205911	1,5	40	18	2	6	
11437740200	3221910205928	2	49	24	2	6	
11437740250	3221910205935	2,5	57	30	2	6	
11437740300	3221910205942	3	61	33	2	6	
11437740320	3221910205959	3,2	65	36	2	6	
11437740350	3221910205966	3,5	70	39	2	6	
11437740400	3221910205973	4	75	43	2	6	
11437740420	3221910205980	4,2	75	43	2	6	
11437740450	3221910205997	4,5	80	47	2	6	
11437740480	3221910852931	4,8	86	52	2	6	
11437740500	3221910206000	5	86	52	2	6	
11437740520	3221910852948	5,2	86	52	2	6	
11437740550	3221910206017	5,5	93	57	1	6	
11437740600	3221910206024	6	93	57	1	6	
11437740620	3221910852955	6,2	101	63	1	6	
11437740650	3221910206031	6,5	101	63	1	6	
11437740700	3221910206048	7	109	69	1	6	
11437740750	3221910206055	7,5	109	69	1	3	
11437740800	3221910206062	8	117	75	1	3	
11437740850	3221910206079	8,5	117	75	1	3	
11437740900	3221910206086	9	125	81	1	3	
11437740950	3221910206093	9,5	125	81	1	3	
11437741000	3221910206109	10	133	87	1	3	
11437741050	3221910206116	10,5	133	87	1	1	
11437741100	3221910206123	11	142	94	1	1	
11437741200	3221910206147	12	151	101	1	1	
11437741300	3221910206161	13	151	101	1	1	

METAL DRILL BIT | REDUCED SHANK | GENERAL PURPOSE

BROCA METAL | MANGO CILÍNDRICO REDUCIDO | USO CORRIENTE

PUNTA METALLO | CODOLO CILINDRICO RIDOTTO | USO CORRENTE





Ground HSS drill bit. For fast accurate drilling

Rapidez y precisión de taladrado. Broca HSS rectificada.

Foratura rapida e precisa.Punta a codolo ridotto HSS tagliato e molato.

Metal
Metal
Metallo

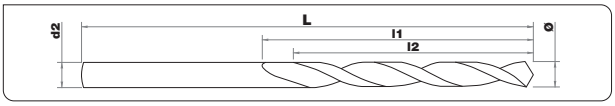
Aluminium Profiles
Perfiles aluminio
Profilo d'alluminio

1143784	EAN	Ø	d2	L	l	QTY	PCB	€
11437841200	3221912003263	12	10	151	101	1	1	
11437841250	3221912003270	12,5	10	151	101	1	1	
11437841300	3221912003287	13	10	151	101	1	1	
11437841350	3221912003294	13,5	12	160	108	1	1	
11437841400	3221912003300	14	12	160	108	1	1	
11437841450	3221912003317	14,5	12	169	114	1	1	
11437841500	3221912003324	15	12	169	114	1	1	
11437841550	3221912003331	15,5	12	178	120	1	1	
11437841600	3221912003348	16	12	178	120	1	1	
11437841650	3221912003355	16,5	12	184	125	1	1	
11437841700	3221912003362	17	12	184	125	1	1	
11437841750	3221912003379	17,5	12	191	130	1	1	
11437841800	3221912003386	18	12	191	130	1	1	
11437841850	3221912003393	18,5	12	198	135	1	1	
11437841900	3221912003409	19	12	198	135	1	1	
11437841950	3221912003416	19,5	12	205	140	1	1	
11437842000	3221912003423	20	12	205	140	1	1	
11437842100	3221912003430	21	12	205	140	1	1	
11437842200	3221912003447	22	12	210	150	1	1	
11437842300	3221912003454	23	12	210	150	1	1	
11437842400	3221912003461	24	12	220	160	1	1	
11437842500	3221912003478	25	12	220	160	1	1	

METAL DRILL BIT | HEX SHANK | LIGHT USAGE

BROCA METAL /MANGO HEXAGONAL / USO OCASIONAL

PUNTA METALLO | CODOLO ESAGONALE | USO OCCASIONALE



Split point for easier drilling. Quick change Hex shank

Confort de taladrado gracias a su afilado en cruz. Mango hexagonal con amarre rápido.

Comfort di foratura grazie alla sua affilatura a croce.Codolo esagonale per attacco rapido.

Sheet Steel
Chapas
Lamiera

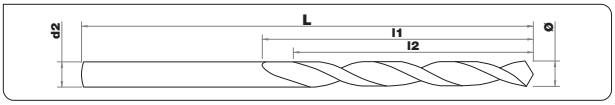
Aluminium Profiles
Perfiles aluminio
Profilo d'alluminio

1143432	EAN	Ø	L	l	QTY	PCB	€
11434320100	3221910835705	1	61	12	1	1	
11434320150	3221910835712	1,5	65	18	1	1	
11434320200	3221910835729	2	68	24	1	1	
11434320220	3221910835736	2,2	72	27	1	1	
11434320250	3221910835743	2,5	76	30	1	1	
11434320300	3221910024642	3	80	33	1	1	
11434320320	3221910024659	3,2	84	36	1	1	
11434320350	3221910024666	3,5	89	39	1	1	
11434320400	3221910024673	4	94	43	1	1	
11434320420	3221910024680	4,2	94	43	1	1	
11434320450	3221910024697	4,5	99	47	1	1	
11434320500	3221910024703	5	105	52	1	1	
11434320550	3221910024727	5,5	112	57	1	1	
11434320600	3221910024734	6	112	57	1	1	
11434320650	3221910835859	6,5	112	57	1	1	
11434320700	3221910835866	7	117	75	1	1	
11434320800	3221910835873	8	117	75	1	1	
11434321000	3221910835880	10	133	87	1	1	

DRILL HSS MILLED CUT | EXTRA-SHORT | HEAVY DUTY

BROCA HSS RECTIFICADA | EXTRA-SHORT | USO INTENSIVO

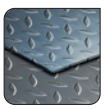
PUNTA HSS RETTIFICATA | EXTRA-CORTA | USO INTENSIVO



Split point for easier drilling. Hex shank 1/4"

Confort de taladrado gracias a su afilado en cruz. Mango hexagonal 1/4"

Comfort di foratura grazie alla sua affilatura a croce.Codolo esagonale 1/4"



Sheet Steel
Chapas
Lamiera

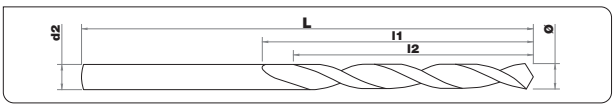
1143704	EAN	Ø	d2	L	l	QTY	PCB	€
11437040300	3221910881450	3	6,35	38	16	1	1	
11437040350	3221910881467	3,5	6,35	40	18	1	1	
11437040400	3221910881474	4	6,35	44	20	1	1	
11437040450	3221910881481	4,5	6,35	46	24	1	1	
11437040500	3221910881498	5	6,35	50	26	1	1	
11437040550	3221910881504	5,5	6,35	50	26	1	1	
11437040600	3221910881511	6	6,35	50	26	1	1	
11437040650	3221910881528	6,5	6,35	50	30	1	1	
11437040700	3221910881535	7	6,35	50	30	1	1	
11437040800	3221910881542	8	6,35	51	32	1	1	
11437040850	3221910881559	8,5	6,35	53	33	1	1	

1143704	EAN	Ø	d2	L	l	QTY	PCB	€
11437040900	3221910881566	9	6,35	53	33	1	1	
11437041000	3221910881573	10	6,35	54	38	1	1	

COBALT METAL DRILL BIT | ROUND SHANK | LONG LIFE

BROCA METAL COB / MANGO CILÍNDRICO / USO INTENSIVO

PUNTA METALLO COB | CODOLO CILINDRICO | USO INTENSIVO



Extra long HSS ground bit. Grind geometry ensures durability as well as accurate drilling.

Resistencia, precisión y rendimiento de taladrado gracias a su afilado. Broca extra-larga HSS rectificada

Resistenza, precisione e prestazioni di foraturagrazie alla sua affilatura. Punta Extra Long HSS tagliata e molata.

Metal
Metal
Metallo

Cast iron
Fundiciones
Ghisa

1140622	EAN	Ø	L	l	QTY	PCB	€
11406220400	3221910005290	4	160	120	1	1	
11406220500	3221910005306	5	160	120	1	1	

1140632	EAN	Ø	L	l	QTY	PCB	€
11406320600	3221910005313	6	200	150	1	1	
11406320800	3221910005337	8	200	150	1	1	

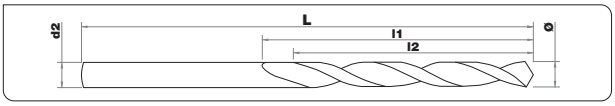
1140642	EAN	Ø	L	l	QTY	PCB	€
11406421000	3221910005351	10	250	187	1	1	
11406421200	3221910005375	12	250	187	1	1	

STANDARD METAL DRILL BIT | ROUND SHANK | LIGHT USAGE

BROCA METAL STANDARD | MANGO CILÍNDRICO | USO OCASIONAL

PUNTA METAL STANDARD | CODOLO CILINDRICO | USO OCCASIONALE

DIN 338



Standard HSS roll forged bits - perfect for light occasional use

Producto de gama estándar ideal para uso ocasional. Broca HSS laminada.

Prodotto della gamma standard ideale per un utilizzo occasionale. Punta HSS laminata.

Sheet Steel
Chapas
Lamiera

Aluminium Profiles
Perfiles aluminio
Profilo d'alluminio

5020014	EAN	ø	L	l	QTY	PCB	€
50200140100	3221910556327	1	34	12	2	6	
50200140150	3221910556273	1,5	40	18	2	6	
50200140200	3221910025113	2	49	24	2	6	
50200140250	3221910025120	2,5	57	30	2	6	
50200140300	3221910025137	3	61	33	2	6	
50200140330	3221910025144	3,3	65	36	2	6	
50200140350	3221910025151	3,5	70	39	2	6	
50200140400	3221910025168	4	75	43	2	6	
50200140420	3221910025175	4,2	75	43	2	6	
50200140450	3221910025182	4,5	80	47	2	6	
50200140500	3221910025199	5	86	52	2	6	
50200140550	3221910025205	5,5	93	57	1	6	
50200140600	3221910025212	6	93	57	1	6	
50200140650	3221910025229	6,5	101	63	1	6	
50200140700	3221910025236	7	109	69	1	6	
50200140750	3221910025243	7,5	109	69	1	6	
50200140800	3221910025250	8	117	75	1	6	
50200140850	3221910025267	8,5	117	75	1	6	
50200140900	3221910025274	9	125	81	1	6	
50200140950	3221910025281	9,5	125	81	1	6	
50200141000	3221910025298	10	133	87	1	6	
50200141050	3221910025304	10,5	133	87	1	1	
50200141100	3221910025311	11	142	94	1	1	
50200141150	3221910025328	11,5	142	94	1	1	
50200141200	3221910025335	12	151	101	1	1	
50200141250	3221910025342	12,5	151	101	1	1	
50200141300	3221910025359	13	151	101	1	1	

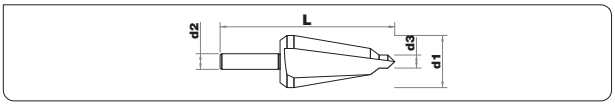
5020024	EAN	ø	L	l	QTY	PCB	€
50200241400	3221910555900	14	160	108	1	1	
50200241500	3221910555917	15	169	114	1	1	
50200241600	3221910555924	16	178	120	1	1	
50200241800	3221910555931	18	191	130	1	1	
50200242000	3221910555948	20	205	140	1	1	

5020034	EAN	ø	L	l	QTY	PCB	€
50200340200	3221910555955	2	85	56	1	1	
50200340250	3221910555962	2,5	95	62	1	1	
50200340300	3221910555979	3	100	66	1	1	
50200340350	3221910555986	3,5	112	73	1	1	
50200340400	3221910555993	4	119	78	1	1	
50200340450	3221910556006	4,5	126	82	1	1	
50200340500	3221910556013	5	132	87	1	1	
50200340550	3221910556020	5,5	139	91	1	1	
50200340600	3221910556037	6	139	91	1	1	
50200340700	3221910556044	7	156	102	1	1	
50200340800	3221910556051	8	165	109	1	1	
50200341000	3221910556068	10	184	121	1	1	
50200341200	3221910556075	12	205	134	1	1	

PROGRESSIVE SHANK METAL DRILL BIT I RND SHANK I LONG LIFE

BROCA ESCALONADA I MANGO CILÍNDRICO I INTENSIVO

PUNTA CONICA I CODOLO CILINDRICO I INTENSIVO



Conical HSS bit - Ideal for drilling & enlarging holes in sheet metal & plastic

Herramienta cónica HSS, ideal para taladrar y ampliar agujeros en chapas y plásticos.

Strumento conico HSS ideale per forare e allargare fori in lamiera e plastica

Aluminium Profiles
Perfiles aluminio
Profilo d'alluminio

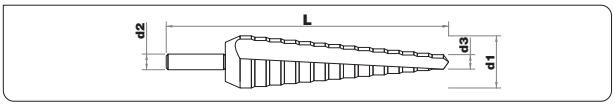
Sheet Steel
Chapas
Lamiera

1143862	EAN	Ø	L	QTY	PCB	€
11438620314	3221910223038	3>14	58	1	1	
11438620520	3221910223045	5>20	71	1	1	
11438620531	3221910223052	5>31	103	1	1	
11438621630	3221910223069	16>30	76	1	1	
11438622440	3221910223076	24>40	89	1	1	

STEPPED METAL ECO BIT I RND SHANK I LONG LIFE

BROCA ESCALONADA ECO I MANGO CILÍNDRICO I INTENSIVO

PUNTA CONICA A GRADINI ECO I CODOLO CILINDRICO I INTENSIVO

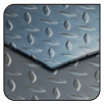


Stepped Conical HSS bit - straight flute. Ideal for drilling in sheet metal & plastic

Herramienta cónica escalonada ECO con canal recto. Ideal para taladrar agujeros en chapas y plástico.

Utensile conico a gradini ECO a gola dritta. Ideale per fare fori in lamiera e plastica.

Aluminium Profiles
Perfiles aluminio
Profilo d'alluminio



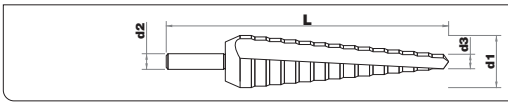
Sheet Steel
Chapas
Lamiera

1144862	EAN	Ø	L	QTY	PCB	€
11448620412	3221910856533	4>12	65	1	1	
11448620420	3221910856540	4>20	75	1	1	
11448620430	3221910856557	4>30	100	1	1	
11448620637	3221910856564	6>37	100	1	1	

STEPPED METAL HSS BIT I RND SHANK I LONG LIFE

BROCA ESCALONADA HSS I MANGO CILÍNDRICO I INTENSIVO

PUNTA CONICA A GRADINI HSS I CODOLO CILINDRICO I INTENSIVO



Stepped Conical HSS bit - helicoidal flute. Ideal for drilling in sheet metal & plastic

Herramienta cónica escalonada HSS con canal helicoidal. Ideal para taladrar agujeros en chapas y plástico.

Utensile conico a gradini HSS a gola elicoidale. Ideale per fare fori in lamiera e plastica.

Metal
Metal
Metallo

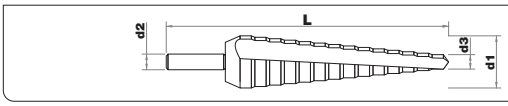
Sheet Steel
Chapas
Lamiera

1144852	EAN	Ø	L	QTY	PCB	€
11448520412	3221910899134	4>12	65	1	1	
11448520420	3221910899141	4>20	75	1	1	
11448520430	3221910899158	4>30	100	1	1	
11448520637	3221910899165	6>37	100	1	1	

STEPPED METAL HSS BIT TIALN I RND SHANK I LONG LIFE

BROCA ESCALONADA HSS TIALN I MANGO CILÍNDRICO I INTENSIVO

PUNTA CONICA A GRADINI HSS TIALN I CODOLO CILINDRICO I INTENSIVO

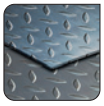


Stepped Conical HSS TiaLN bit - helicoidal flute. Ideal for drilling in sheet metal & plastic

Herramienta cónica escalonada HSS TiALN con canal helicoidal. Ideal para taladrar agujeros en chapas y plástico.

Utensile conico a gradini HSS TiALN a gola elicoidale. Ideale per fare fori in lamiera e plastica.

Metal
Metal
Metallo



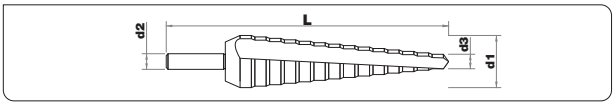
Sheet Steel
Chapas
Lamiera

1143872	EAN	Ø	L	QTY	PCB	€
11438720412	3221910223083	4>12	65	1	1	
11438720420	3221910223090	4>20	75	1	1	
11438720430	3221910223106	4>30	100	1	1	
11438720637	3221910223113	6>37	100	1	1	

STEPPED METAL COBALT BIT TIALN I RND SHANK I LONG LIFE

BROCA ESCALONADA COB TIALN I MANGO CILÍNDRICO I INTENSIVO

PUNTA CONICA A GRADINI COB TIALN I CODOLO CILINDRICO I INTENSIVO



Stepped Conical Cobalt TiaLN bit - helicoidal flute. Ideal for drilling in hard steels

Herramienta cónica escalonada COB TiALN con canal helicoidal. Ideal para taladrar agujeros en aceros de alta

Utensile conico a gradini COB TiALN a gola elicoidale. Ideale per fare fori in acciai resistenti.

Metal
Metal
Metallo

Stainless Steel
Aceros inoxidables
Acciai inossidabili

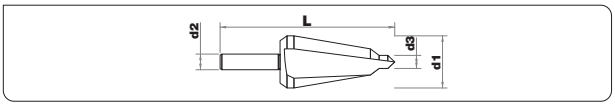
Sheet Steel
Chapas
Lamiera

1144872	EAN	Ø	L	QTY	PCB	€
11448720412	3221910843250	4>12	65	1	1	
11448720420	3221910843267	4>20	75	1	1	
11448720430	3221910843274	4>30	100	1	1	
11448720637	3221910843281	6>37	100	1	1	

STEPPED PROGRESSIVE DRILL BIT I ROUND SHANK I LIGHT USAGE

BROCA ESCALONADA I MANGO CILÍNDRICO I OCASIONAL

PUNTA CONIQUE PROGRESSIF I CODOLO CILINDRICO I OCCASIONALE



Conical HSS bit - Ideal for drilling & enlarging holes in sheet metal & plastic

Herramienta cónica, ideal para taladrar y ampliar agujeros en chapas y plástico.

Punta conica, ideale per allargare fori in in lamiera e plastica.

Aluminium Profiles
Perfiles aluminio
Profilo d'alluminio

XT60212	EAN	Ø	QTY	PCB	€
XT60672000634	3128820006341	6>20	1	1	

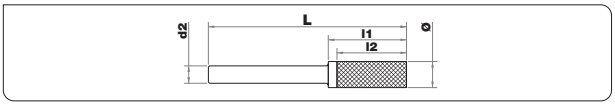
CARBIDE ROTARY BURRS. CYLINDRICAL END CUTTING.

FRESA LIMA MD CILÍNDRICA. CORTE AL CENTRO.

LIMA ROTATIVA IN MD, CILINDRICA, DOPPIO TAGLIENTE.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

D



Metal
Metal
Metallo

Sheet Steel
Chapas
Lamiera

Cast iron
Fundiciones
Ghisa

1031632	EAN	Ø	d2	L	l2	QTY	PCB	€
10316320600	3221910837242	6	6	50	16	1	1	
10316320800	3221910837259	8	6	65	20	1	1	
10316321000	3221910837266	10	6	65	20	1	1	
10316321200	3221910837273	12	6	70	25	1	1	

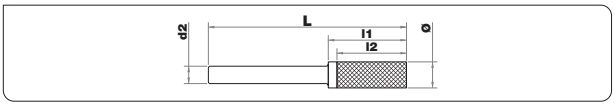
CARBIDE ROTARY BURRS. DOMED CYLINDRICAL.

FRESA LIMA MD CILÍNDRICA CON RADIO.

LIMA ROTATIVA IN MD, CILINDRICA, CON RAGGIO.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

D



Metal
Metal
Metallo

Sheet Steel
Chapas
Lamiera

Cast iron
Fundiciones
Ghisa

1031652	EAN	Ø	d2	L	l2	QTY	PCB	€
10316520600	3221910837280	6	6	50	16	1	1	
10316520800	3221910837297	8	6	65	20	1	1	
10316521000	3221910837303	10	6	65	20	1	1	
10316521200	3221910837310	12	6	70	25	1	1	

CARBIDE ROTARY BURRS. TREE.

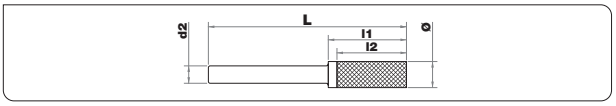
FRESA LIMA MD PUNTA OJIVA.

LIMA ROTATIVA IN MD A OGIVA.

#09

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

D



Metal
Metal
Metallo

Sheet Steel
Chapas
Lamiera

Cast iron
Fundiciones
Ghisa

1031792	EAN	Ø	d2	L	l2	QTY	PCB	€
10317920600	3221910837327	6	6	50	18	1	1	
10317920800	3221910837334	8	6	63	18	1	1	
10317921000	3221910837341	10	6	65	20	1	1	
10317921200	3221910837358	12	6	70	25	1	1	

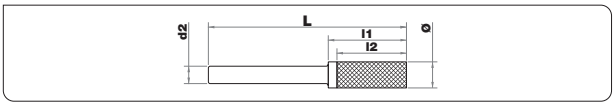
CARBIDE ROTARY BURRS. BALL NOSED TREE.

FRESA LIMA MD PUNTA OJIVA REDONDEADA.

LIMA ROTATIVA IN MD A OGIVA, CON RAGGIO.

HM CARB | BRIGHT UNCOATED | TIVOLY NORM

D



Metal
Metal
Metallo

Sheet Steel
Chapas
Lamiera

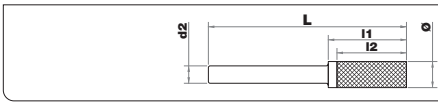
Cast iron
Fundiciones
Ghisa

1031832	EAN	Ø	d2	L	l2	QTY	PCB	€
10318320600	3221910837365	6	6	50	18	1	1	
10318320800	3221910837372	8	6	63	18	1	1	
10318321000	3221910837389	10	6	65	20	1	1	
10318321200	3221910837396	12	6	70	25	1	1	

CARBIDE ROTARY BURRS. BALL.

FRESA LIMA MD PUNTA ESFÉRICA.

LIMA ROTATIVA IN MD, SFERICA.



Metal
Metal
Metallo

Sheet Steel
Chapas
Lamiera

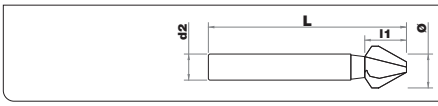
Cast iron
Fundiciones
Ghisa

1031852	EAN	Ø	d2	L	l2	QTY	PCB	€
10318510600	3221910619619	6	6	50	18	1	1	
10318510800	3221910619626	8	6	63	18	1	1	
10318511000	3221910619633	10	6	70	20	1	1	
10318511200	3221910619640	12	6	75	25	1	1	

HSS COUNTERSINKER BITS 90°. HEXA SHANK 1/4"

AVELLANADOR HSS A 90°. MANGO HEXAGONAL 1/4".

FRESA PER SVASATURA HSS A 90°, CODA ESAGONALE 1/4.



Use on a screw gun and 1/4" bit tip holder for steels and plastics.

Uso en atornilladores y portapuntas 1/4" en aceros y plasticos.

Utilizzo su avvitatrici e porta punte 1/4" per acciai e plastiche.

Metal
Metal
Metallo

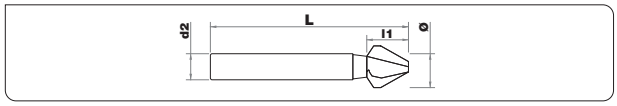
Aluminium Profiles
Perfiles aluminio
Profilo d'alluminio

1033234	EAN	Ø	d2	L	QTY	PCB	€
10332340630	3221910881917	6,3	6,35	31	1	1	
10332340830	3221910881924	8,3	6,35	31	1	1	
10332341040	3221910881931	10,4	6,35	35	1	1	
10332341240	3221910881948	12,4	6,35	35	1	1	
10332341650	3221910881955	16,5	6,35	40	1	1	
10332342050	3221910881962	20,5	6,35	40	1	1	

COUNTERSINK HSS - 90° | ROUND SHANK

AVELLANADOR HSS 90° | MANGO CILÍNDRICO

FRESA A SMUSSO HSS 90° | CODOLO CILINDRICO



Universal application. For stainless steels and resistant steels.

Uso universal. Para aceros inoxidables y resistentes.

Uso polivalente per acciai ad alta resistenza e inossidabili.

Metal
Metal
Metallo

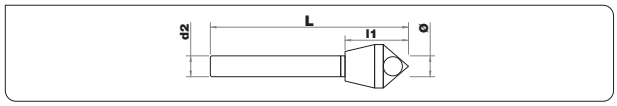
Stainless Steel
Aceros inoxidables
Acciai inossidabili

1033162	EAN	Ø	L	QTY	PCB	€
10331620630	3221910222918	6,3	45	1	1	
10331620800	3221910222925	8	50	1	1	
10331620830	3221910222932	8,3	50	1	1	
10331621000	3221910222949	10	50	1	1	
10331621040	3221910222956	10,4	50	1	1	
10331621150	3221910222963	11,5	56	1	1	
10331621240	3221910222970	12,4	56	1	1	
10331621500	3221910222987	15	60	1	1	
10331621650	3221910222994	16,5	60	1	1	
10331621900	3221910223007	19	63	1	1	
10331622050	3221910223014	20,5	63	1	1	
10331622500	3221910223021	25	67	1	1	

DEBURRING TOOL HSS 90° | ROUND SHANK

AVELLANADOR CON AGUJERO HSS 90° | MANGO CILÍNDRICO

FRESA HSS 90° | CODOLO CILINDRICO



Universal application. For stainless steels and resistant steels.

Uso universal. Para aceros inoxidables y resistentes.

Uso polivalente per acciai ad alta resistenza e inossidabili.

Metal
Metal
Metallo

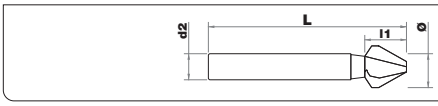
Stainless Steel
Aceros inoxidables
Acciai inossidabili

1036132	EAN	Ø	L	QTY	PCB	€
10361320205	3221910222871	2>5	45	1	1	
10361320510	3221910222888	5>10	48	1	1	
10361321015	3221910222895	10>15	65	1	1	
10361321520	3221910222901	15>20	85	1	1	

COUNTERSINK HSS - 90° | ROUND SHANK

AVELLANADOR HSS 90° | MANGO CILÍNDRICO

FRESA A SMUSSO HSS 90° | CODOLO CILINDRICO



Use on a screw gun and 1/4" bit tip holder for steels and plastics.

Uso en atornilladores y portapuntas 1/4" en aceros y plasticos.

Utilizzo su avvitatrici e porta punte 1/4" per acciai e plastiche.

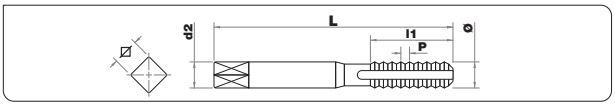
Metal
Metal
Metallo

XT60122	EAN	Ø	L	QTY	PCB	€
XT60612045217	3128820452179	12	40	1	3	
XT60612045218	3128820452186	20	42	1	3	

TAPPING DRILL BIT | HEX SHANK

BROCA ROSCADORA Y FRESADORA | MANGO HEXAGONAL

PUNTA MASCHIATRICE & FRESA | CODOLO ESAGONALE



Drill , Tap & Deburr in one operation. Use in one step with drill - low speed

Taladrar, roscar y desbarbar en una sola operación. Utilización en 1 etapa, a baja velocidad de rotación.

Forare, maschiare e sbavare in una sola operazione. Utilizzare in un solo passaggio su un trapano a bassa velocità

Sheet Steel
Chapas
Lamiera

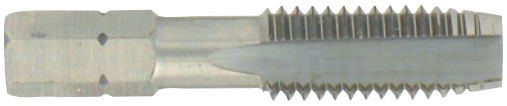
1050292	EAN	Ø	L	QTY	PCB	€
1050292040070	3221910879860	4x70	39	1	1	
1050292050080	3221910879877	5x80	41	1	1	
1050292060100	3221910881986	6x100	44	1	1	

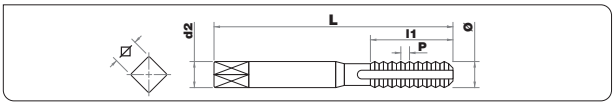
1050294	EAN	Ø	L	QTY	PCB	€
1050294030050	3221910881597	3x50	36	1	1	
1050294040070	3221910881993	4x70	39	1	1	
1050294050080	3221910882006	5x80	41	1	1	
1050294060100	3221910881627	6x100	44	1	1	
1050294080125	3221910881634	8x125	49	1	1	
1050294100150	3221910881641	10x150	52	1	1	

HSS MACHINE TAP BIT | HEX SHANK

MACHOS HSS. MANGO HEXAGONAL 1/4".

MASCHIO HSS DRITTO. CODOLO ESAGONALE 1/4".





For steel tapping using a screw gun and 1/4" bit tip holder.

Roscado de aceros para atornillador y portapuntas 1/4".

Filettatura acciai su avvitatrice e porta punte 1/4".

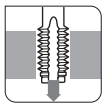
Sheet Steel
Chapas
Lamiera

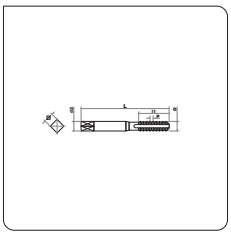
1050304	EAN	Ø	L	QTY	PCB	€
1050304030050	3221910881788	3x50	36	1	1	
1050304040070	3221910881795	4x70	39	1	1	
1050304050080	3221910881801	5x80	41	1	1	
1050304060100	3221910881818	6x100	44	1	1	
1050304080125	3221910881825	8x125	49	1	1	
1050304100150	3221910881832	10x150	52	1	1	

HAND TAP - HSS | METRIC

MACHO DE MANO ACERO RÁPIDO / MÉTRICO

MASCHO A MANO ACCIAIO RAPIDO | METRICO





Set of 3 hand taps - HSS - use in three stages with wrench

Juego de 3 MACHOS de mano HSS. Utilización en 3 etapas sucesivas con un porta-machos.

Gioco di 3 Maschi a mano HSS. Utilizzare in 3 passaggi con giramaschi.

Metal
Metal
Metallo

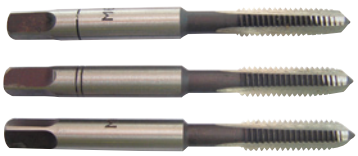
Cast iron
Fundiciones
Ghisa

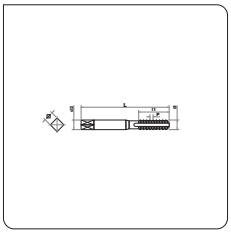
1050052	EAN	Ø	L	l	QTY	PCB	€
1050052030050	3221910004583	3*50	48	11	3	1	
1050052040070	3221910004606	4*70	53	13	3	1	
1050052050080	3221910004620	5*80	58	16	3	1	
1050052060100	3221910004644	6*100	66	19	3	1	
1050052080125	3221910004668	8*125	72	22	3	1	
1050052100150	3221910004682	10*150	80	24	3	1	
1050052120175	3221910004705	12*175	89	29	3	1	

HAND TAP - CHROME STEEL | METRIC

MACHO DE MANO ACERO AL CARBONO / MÉTRICO

MASCHIO A MANO ACCIAIO AL CROMO | METRICO





Set of 3 hand taps -Chrome steel - use in three stages with wrench

Juego de 3 machos de mano al CARBONO. Utilización en 3 etapas sucesivas con un porta-machos.

Gioco di 3 Maschi a mano CROMO. Utilizzare in 3 passaggi con giramaschi.

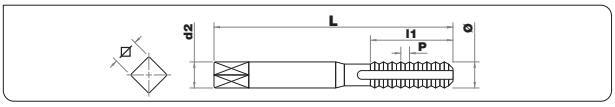
Metal
Metal
Metallo

1050012	EAN	Ø	L	l	QTY	PCB	€
1050012030050	3221910004439	3*50	48	11	3	1	
1050012040070	3221910004453	4*70	53	13	3	1	
1050012050080	3221910004477	5*80	58	16	3	1	
1050012060100	3221910004491	6*100	66	19	3	1	
1050012070100	3221910004507	7*100	66	19	3	1	
1050012080125	3221910004514	8*125	72	22	3	1	
1050012100150	3221910004538	10*150	80	24	3	1	
1050012120175	3221910004552	12*175	89	29	3	1	

MACHINE TAP - HSS | METRIC

MACHO DE MAQUINA ACERO RÁPIDO / MÉTRICO

MASCHIO A MACCHINA ACCIAIO RAPIDO | METRICO



Machine Tap - HSS - use in one step with drill - low speed

Macho máquina HSS. Utilización en 1 etapa en el taladro, con baja velocidad de rotación.

Maschio per macchina HSS. Utilizzare in un solo passaggio su un trapano a bassa velocità di rotazione.

Metal
Metal
Metallo

Stainless Steel
Aceros inoxidables
Acciai inossidabili

Cast iron
Fundiciones
Ghisa

1050072	EAN	Ø	L	l	QTY	PCB	€
1050072030050	3221910035020	3*50	48	11	1	1	
1050072040070	3221910035037	4*70	53	13	1	1	
1050072050080	3221910035044	5*80	58	16	1	1	
1050072060100	3221910035051	6*100	66	19	1	1	
1050072070100	3221910035068	7*100	66	19	1	1	
1050072080125	3221910035075	8*125	72	22	1	1	
1050072100150	3221910035082	10*150	80	24	1	1	
1050072120175	3221910035099	12*175	89	29	1	1	

1050074	EAN	Ø	L	l	QTY	PCB	€
1050074030050	3221910079659	3*50	48	11	1	1	
1050074040070	3221910079666	4*70	53	13	1	1	
1050074050080	3221910079673	5*80	58	16	1	1	
1050074060100	3221910079680	6*100	66	19	1	1	
1050074070100	3221910079697	7*100	66	19	1	1	
1050074080125	3221910079703	8*125	72	22	1	1	
1050074100150	3221910079710	10*150	80	24	1	1	
1050074120175	3221910079727	12*175	89	29	1	1	

TAP WRENCH

PORTA-MACHOS

GIRA MASCHI

Tap wrench - essential for hand tapping tasks. Holds tap in straight & secure position

Porta-Machos indispensable para realizar el roscado manual. Mantener la herramienta perpendicularmente.

Giramaschi, indispensabile per effettuare filettature a mano. Tenere l'utensili in modo perpendicolare

1110012	EAN	Ø	QTY	PCB	€
11100120110	3221910007492	N°1	1	1	
11100120412	3221910007508	N°2	1	1	

TAP WRENCH

PORTA-MACHOS

GIRA MASCHI

11100120001
3221910880415

QTY	PCB	€
1	1	

Click fit Tap wrench - essential for hand tapping tasks. Holds tap in straight & secure position

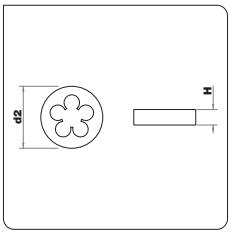
Porta-Machos con carraca indispensable para realizar el roscado manual. Mantener la herramienta perpendicularmente.

Giramaschi a cricchetto, indispensabile per effettuare filettature a mano. Tenere l'utensili in modo perpendicolare

EXTENDING DIES CHROME STEEL I 25,4

COJINETE ACERO AL CARBONO / DIAM. 25,4

FILIERA ACCIAIO AL CROMO I 25,4



Extending die. For use with Holder. Holds die straight & secure

Cojinete extensible. Utilizar el porta-cojinetes para realizar el roscado. Mantener la herramienta perpendicularmente.

Filiera estendibile. Utilizzare il girafiliere per effettuare la filettatura. Tenere l'utensile in modo perpendicore.

Metal
Metal
Metallo

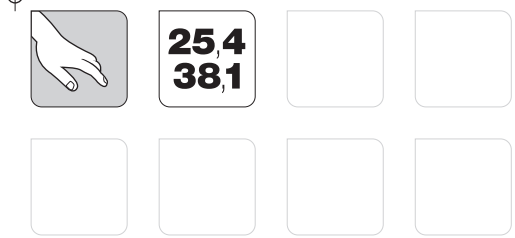
1100012	EAN	Ø	QTY	PCB	€
1100012030050	3221910003661	3*50	1	1	
1100012040070	3221910003685	4*70	1	1	
1100012050080	3221910003708	5*80	1	1	
1100012060100	3221910003722	6*100	1	1	
1100012070100	3221910003739	7*100	1	1	
1100012080125	3221910003746	8*125	1	1	
1100012100150	3221910003760	10*150	1	1	

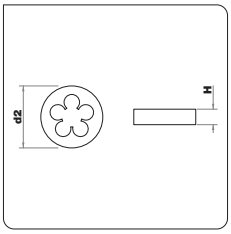
1100022	EAN	Ø	QTY	PCB	€
1100022120175	3221910003791	12*175	1	1	

DIE HOLDER

PORTA-COJINETES

GIRA-FILIERA





Die Holder - essential for hand die applications. Holds die straight & secure

Porta-cojinetes, indispensable para realizar el roscado manual. Mantener la herramienta perpendicularmente

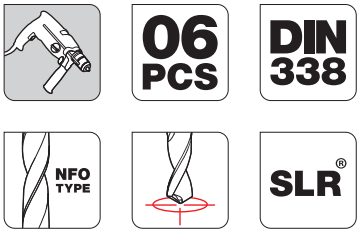
Girafiliera, indispensabile per realizzare filettature in manuale. Tenere l'utensile in modo perpendicore.

1110042	EAN	Ø	QTY	PCB	€
11100420254	3221910004392	25,4	1	1	
11100420381	3221910004408	38,1	1	1	

A31 GREEN SLR SET

EST. A31 GREEN SLR

COF. A31 GREEN SLR



11468470047
3221910841355

QTY	PCB	€
6	1	

Depth marked METAL GREEN bits ø 2-3-4-5-6mm+8mm

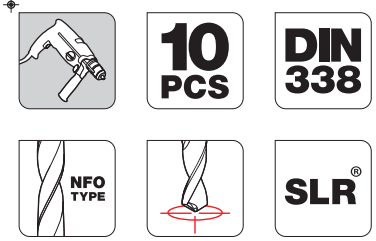
Brocas METAL GREEN GRADUADAS ø 2-3-4-5-6 mm + 8 mm

Punte METALLO GREEN GRADUATA ø 2-3-4-5-6 mm + 8 mm

A33 GREEN SLR SET

EST. A31 GREEN SLR

COF. A33 GREEN SLR



11468470049
3221910841362

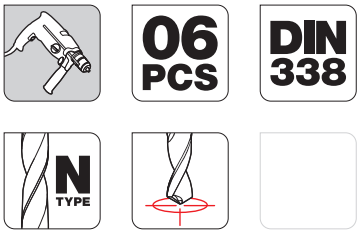
QTY	PCB	€
10	1	

Depth marked METAL GREEN bits ø 1-2-3-4-5-6-7-8-9-10mm

Brocas METAL GREEN GRADUADAS ø 1-2-3-4-5-6-7-8-9-10 mm

Punte METALLO GREEN GRADUATA ø 1-2-3-4-5-6-7-8-9-10 mm

A21 TITANIUM DRILL SET



METAL "TIN" bits ø 2-3-4-5-6 mm + 8 mm

EST. A21 "TIN"

Brocas METAL "TIN" ø 2-3-4-5-6 mm + 8 mm

COF. A21 "TIN"

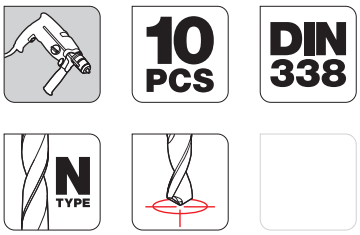
11437370047

3221910051358

QTY	PCB	€
6	1	

Punte Metallo "TIN" ø 2-3-4-5-6 mm + 8 mm

A23 TITANIUM DRILL SET



METAL "TIN" bits ø 1-2-3-4-5-6-7-8-9-10 mm

EST. A23 "TIN"

Brocas METAL "TIN" ø 1-2-3-4-5-6-7-8-9-10 mm

COF. A23 "TIN"

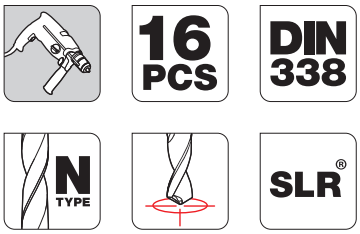
11437370049

3221910778255

QTY	PCB	€
10	1	

Punte Metallo "TIN" ø 1-2-3-4-5-6-7-8-9-10 mm

T16 "COB TIN" SET



Depth marked METAL COBALT bits ø 1->8x 0,5mm+3,2-4,2mm

MAL. T16 "COB TIN"

Brocas METAL "COB TIN" GRADUADAS ø 1 > 8 par 1/2 mm + 3,2-4,2 mm

VAL. T16 "COB TIN"

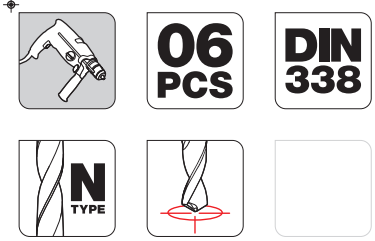
11469370016

3221910880897

QTY	PCB	€
16	1	

Punte METALLO "COB TIN" GRADUATA ø 1 > 8 per 1/2 mm + 3,2-4,2 mm

A11 METAL TX SET



Metal Bits TX ø 2 > 6 par mm +8mm

EST. A11 TX

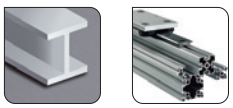
Brocas METAL TX ø 2 > 6 mm par mm + 8 mm

COF. A11 TX

11436770047

3221910050535

QTY	PCB	€
6	1	



Punte METALLO TX ø 2 > 6 mm per mm + 8 mm

A12 METAL TX SET

13 PCS · DIN 338 · N TYPE

Metal Bits TX ø 2 > 8 par 0,5mm

EST. A12 TX

Brocas METAL TX ø 2 > 8 par 1/2 mm

COF. A12 TX

11436770048

3221910050542

QTY	PCB	€
13	1	

Punte METALLO TX ø 2 > 8 per 1/2 mm

AP13 METAL TX SET

10 PCS · DIN 338 · N TYPE

Metal Bits TX ø 1 > 10 par mm

EST. AP13 TX

Brocas METAL TX ø 1 > 10 mm par mm

COF. AP13 TX

11436770049

3221910050559

QTY	PCB	€
10	1	

Punte METALLO TX ø 1 > 10 mm per mm

AP13 METAL TX SLR SET

05 PCS · DIN 338 · N TYPE · SLR®

Metal Bits TX Depth Marked ø 3 >8 mm

EST. A15 TX SLR

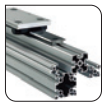
Brocas METAL TX GRADUADAS ø 3 > 8 mm

COF. A15 TX SLR

11466770001

3221910849351

QTY	PCB	€
5	1	



Punte METALLO TX GRADUATE ø 3 > 8 mm

208 METAL TX SET

12 PCS · DIN 338 · N TYPE

Metal Bits TX ø 2 > 7 par 0,5mm +8mm

EST. 208 TX

Brocas METAL TX ø 2 > 7 mm par 1/2 mm + 8 mm

COF. 208 TX

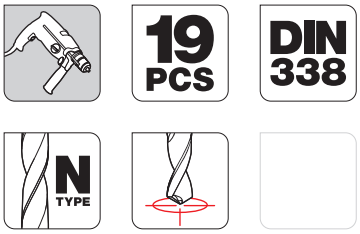
11436770033

3221910039189

QTY	PCB	€
12	1	

Punte METALLO TX ø 2 > 7 mm per 1/2 mm + 8 mm

E19 METAL TX SET



Metal Bits TX ø 1 > 10 par 0,5mm

EST. E TX

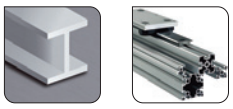
Brocas METAL TX ø 1 > 10 mm par 1/2 mm

COF. E TX

11436770034

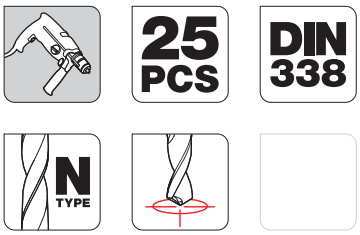
3221910039196

QTY	PCB	€
19	1	



Punte METALLO TX ø 1 > 10 mm per 1/2 mm

G25 METAL TX SET



Metal Bits TX ø 1 > 13 par 0,5mm

EST. G TX

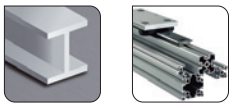
Brocas METAL TX ø 1 > 13 mm par 1/2 mm

COF. G TX

11436770035

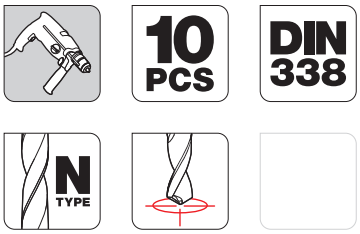
3221910039202

QTY	PCB	€
25	1	



Punte METALLO TX ø 1 > 13 mm per 1/2 mm

110 METAL TX SET



Metal Bits TX ø 1 > 10 par mm

EST. 110 TX

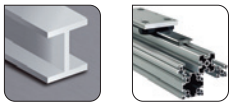
Brocas METAL TX ø 1 > 10 mm par mm

COF. 110 TX

11436770036

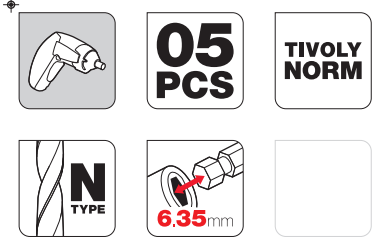
3221910039219

QTY	PCB	€
10	1	



Punte METALLO TX ø 1 > 10 mm per mm

A15 METAL HEXA SET



Metal Bits TX ø 2 > 6 par mm

EST. A15 HEXA

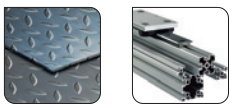
Brocas METAL TX ø2 > 6 por mm

COF. A15 ESAGONALE

11434370001

3221910866594

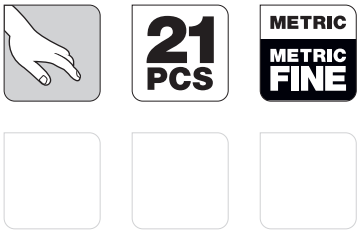
QTY	PCB	€
5	1	



Punte METALLO TX ø 2 > 6 per mm

#09

21 TAP & DIE SET



9 Taps M3 to M12 +9 extending dies M3 to M12+l s/driver+1 die holder + 1 holder for ext dies

MAL. T21 MACHO

11 Machos M3 a M12 + 9 Cojinetes M3 a M12 + 1 destornillador + 1 Porta-machos + 1 Portacojinetes.

VAL. T21 MASCHIO

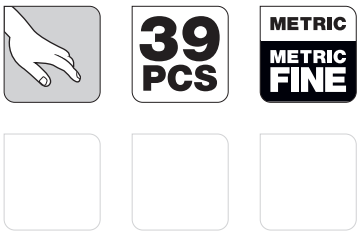
11900970013

3221910017651

QTY	PCB	€
21	1	

9 Maschi M3 a M12 + 9 filiere M3 a M12 + 1 cacciavite + 1 giramaschi + 1 girafiliere

39 TAP & DIE SET



17 Taps M3 to M12 +17 extending dies M3 to M12+1 thread gauge +l s/driver+2 die holders + 1 holder for ext dies

MAL. T39 MACHO

19 Machos M3 a M12 + 17 Cojinetes M3a M12 + 1 juego de galgas + 1 destornillador + 2 Porta-machos + 1 Porta-cojinetes

VAL. T39 MASCHIO

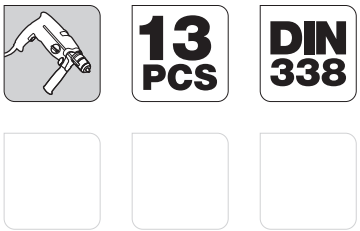
11900970014

3221910017668

QTY	PCB	€
39	1	

17 Maschi M3 a M12 + 17 filiere M3 a M12 + 1 calibro + 1 cacciavite + 2 giramaschi + 1 girafiliere

13 STD METAL SET



STANDARD METAL bits ø 1,5 > 6,5 mm

EST. STD 13 PZS

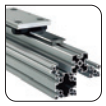
Brocas METAL ESTÁNDAR ø 1,5 > 6,5 mm

COF. STD 13 PZ

50200170008

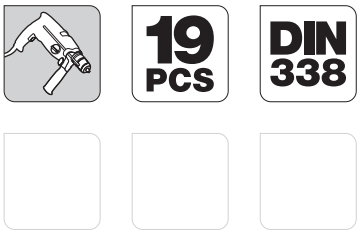
3221910018047

QTY	PCB	€
13	1	



Punte METALLO STANDARD ø 1,5 > 6,5 mm

19 STD METAL SET



STANDARD METAL bits ø 1 > 10 mm par 1/2 mm

EST. STD 19 PZS

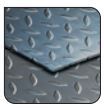
Brocas METAL ESTÁNDAR ø 1 > 10 mm por 1/2 mm

COF. STD 19 PZ

50200170009

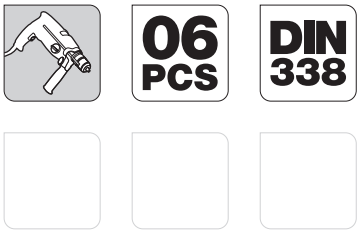
3221910018009

QTY	PCB	€
19	1	



Punte METALLO STANDARD ø 1 > 10 mm per 1/2 mm

6 STD METAL SET



STANDARD METAL bits ø 2 > 6 par mm + 8 mm

EST. STD 6 PZS

Brocas METAL ESTÁNDAR ø 2 > 6 por 1 mm + 8 mm

COF. STD 6 PZ

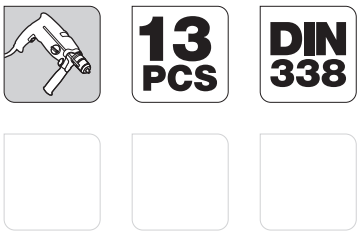
50200170010

3221910018023

QTY	PCB	€
6	1	

Punte METALLO STANDARD ø 2 > 6 per mm + 8 mm

13 TIN STD METAL SET



STD METAL TIN bits ø 1,5 > 6,5 mm

EST. STD TIN 13 PZS

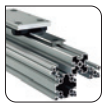
Brocas METAL TIN ESTÁNDAR ø 1,5 > 6,5 mm

COF. STD TIN 13 PZ

50200170005

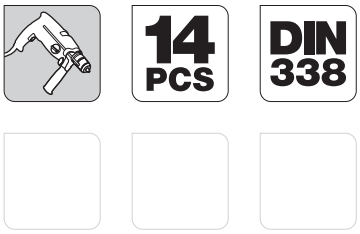
3221910850845

QTY	PCB	€
13	1	



Punte METALLO TIN STANDARD ø 1,5 > 6,5 mm

14 TIN STD METAL KIT



STD METAL TIN bits ø 1,5 > 6,5 mm+Countersink

LOT. STD TIN 14 PZS

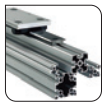
Brocas METAL TIN ESTÁNDAR ø 1,5 > 6,5 mm+broca fresa

SET. STD TIN 14 PZ

50200170011

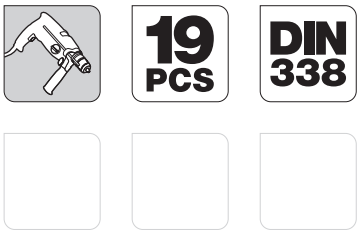
3221910847913

QTY	PCB	€
14	1	



Punte METALLO TIN STANDARD ø 1,5 > 6,5 mm+ punta fresa

19 STD METAL DRILL SET



STANDARD METAL bits ø 1>10mm x 0,5mm

EST. STD 19 PZS

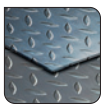
Brocas METAL STANDARD ø 1 > 10 mm por 1/2 mm

COF. STD 19 PZ

90200170002

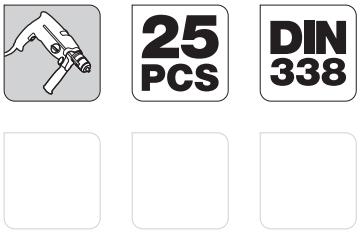
3221910104665

QTY	PCB	€
19	1	



Punte METALLO STANDARD ø 1 > 10 mm per 1/2 mm

25 STD METAL DRILL SET



STANDARD METAL bits ø 1>13mm x 0,5mm

EST. STD 25 PZS

Brocas METAL STANDARD ø 1 > 13 mm por 1/2 mm

COF. STD 25 PZ

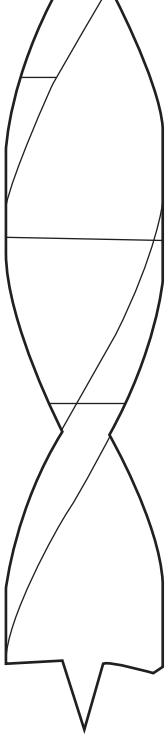
90200170003

3221910104672

QTY	PCB	€
25	1	

Punte METALLO STANDARD ø 1 > 13 mm per 1/2 mm

#09



MASONRY 384 Cylindrical/Hex shank bits. Brocas cilíndricas/Hexa. Punte cilindriche/Esagonale. #09
TALADRADO HORMIGÓN
FORATURA CEMENTO
SDS+ Drill Bits. Brocas SDS+. Punte SDS+.
SDS Chisels. Herramientas de demolición SDS+. Utensili da demolizione SDS+.
SDS Max Drill Bits. Brocas SDSmax. Punte SDS MAX.
SDS Max Chisels. Herramientas de demolición SDSmax. Utensili da demolizione SDSmax.
Glass& Tile Bits. Brocas vidrio/azulejo/mixtas. Punte Vetro/Piastrelle/Miste.
404 Sets. Estuches. Cofanetti.

METAL 414 Cylindrical/Hex shank bits. Brocas cilíndricas/Hexa. Punte cilindriche/Esagonale. #09
TALADRADO METAL
FORATURA METALLO
HSS Step drill bits. Brocas cónicas ó brocas escalonadas. Punte coniche o punte a gradini.
Countersinks / rotary burrs. Avellanadores/ fresas limas. Svasatori / frese lima.
Taps. Machos. Maschio.
Dies. Cojinetes. Filettatura.
437 Sets. Estuches. Cofanetti.

WOOD 446 Cylindrical/Hex shank bits. Brocas cilíndricas/Hexa. Punte cilindriche/Esagonale. #09
TALADRADO MADERA
FORATURA LEGNO
SDS+ Shank. Brocas SDS+. Punte SDS+.
Step drill bits. Brocas cónicas o brocas escalonadas. Punte coniche o punte a gradini.
Countersinks/Router bits. Avellanadores/ fresas para encastrar. Svasatori.
457 Sets. Estuches. Cofanetti.

GREEN' WOOD DRILL BIT | ROUND SHANK | HEAVY USAGE

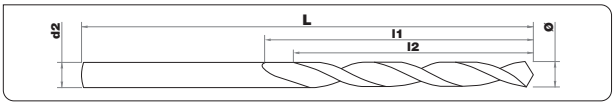
BROCA MADERA GREEN / MANGO CILÍNDRICO / USO INTENSIVO

PUNTA LEGNO GREEN | CODOLO CILINDRICO | USO INTENSIVO

#09

TIVOLY NORM

SLR®



50% Faster drilling Drilling life x3. Easier drilling = less energy. Depth Markings = greater precision

Rapidez: +50%. Duración de vida: x 3. Mayor confort con menos energía. Graduación= profundidad controlada

Rapidità : +50%. Durata di vita: x3. Più confort con meno energia .Graduato = per verifacare la profondità.

Terrace
Tarima
Terrazze

Hard Wood
Madera dura
Legno duro

Laminates
Madera estratificada
Legno stratificato

1086392	EAN	Ø	L	l	QTY	PCB	€
10863920300	3221910879075	3	61	33	1	3	
10863920400	3221910879082	4	75	43	1	3	
10863920500	3221910879099	5	86	52	1	3	
10863920600	3221910879105	6	93	57	1	3	
10863920700	3221910879112	7	109	69	1	1	
10863920800	3221910879129	8	117	75	1	1	
10863920900	3221910879136	9	125	81	1	1	
10863921000	3221910879143	10	133	87	1	1	
10863921200	3221910879150	12	151	101	1	1	

1086394	EAN	Ø	L	l	QTY	PCB	€
10863940300	3221910879631	3	61	33	1	3	
10863940400	3221910879648	4	75	43	1	3	
10863940500	3221910879655	5	86	52	1	3	
10863940600	3221910879662	6	93	57	1	3	
10863940700	3221910879679	7	109	69	1	1	
10863940800	3221910879686	8	117	75	1	1	
10863940900	3221910879693	9	125	81	1	1	
10863941000	3221910879709	10	133	87	1	1	
10863941200	3221910879716	12	151	101	1	1	

1086391	EAN	Ø	L	l	QTY	PCB	€
10863910300	3221910879563	3	61	33	1	10	
10863910400	3221910879570	4	75	43	1	10	
10863910500	3221910879587	5	86	52	1	10	
10863910600	3221910879594	6	93	57	1	10	
10863910700	3221910879600	7	109	69	1	10	
10863910800	3221910879617	8	117	75	1	10	
10863911000	3221910879624	10	133	87	1	5	

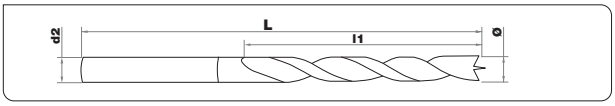
BRAD POINT WOOD DRILL BIT I ROUND SHANK I GENERAL PURPOSE

BROCA MADERA 3 PUNTAS / MANGO CILÍNDRICO / USO CORRIENTE

PUNTA LEGNO 3 PUNTE I CODOLO CILINDRICO I USO CORRENTE

TIVOLY NORM

SLR®



3 point brad design ensures precise drilling. Efficient chip removal. Depth markings = greater precision.

Precisión y taladrado gracias a sus 3 puntas. Muy buena evacuación de viruta. Graduación= profundidad controlada

Precisione di foratura grazie alle 3 punte, buona evacuazione dei trucioli. Graduato = per verifacare la profondità.

Hard Wood

Madera dura

Legno duro

Laminates

Madera estratificada

Legno stratificato

Softwood

Madera blanda

legno tenero

1086382	EAN	Ø	L	l	QTY	PCB	€
10863820300	3221910840341	3	61	33	1	6	
10863820400	3221910840358	4	75	43	1	6	
10863820500	3221910840365	5	86	52	1	6	
10863820600	3221910840372	6	93	57	1	6	
10863820700	3221910840389	7	109	69	1	6	
10863820800	3221910840396	8	114	75	1	6	
10863820900	3221910840402	9	125	81	1	6	
10863821000	3221910840419	10	133	87	1	6	
10863821100	3221910840426	11	142	94	1	1	
10863821200	3221910840433	12	151	101	1	1	
10863821300	3221910840440	13	151	101	1	1	
10863821400	3221910840457	14	160	108	1	1	
10863821500	3221910840464	15	169	114	1	1	
10863821600	3221910840471	16	178	120	1	1	
10863821800	3221910840488	18	191	130	1	1	
10863822000	3221910840495	20	205	140	1	1	

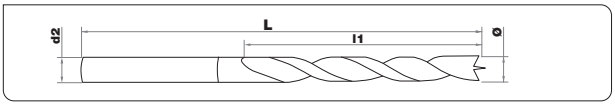
1086384	EAN	Ø	L	l	QTY	PCB	€
10863840300	3221910840181	3	61	33	1	6	
10863840400	3221910840198	4	75	43	1	6	
10863840500	3221910840204	5	86	52	1	6	
10863840600	3221910840211	6	93	57	1	6	
10863840700	3221910840228	7	109	69	1	6	
10863840800	3221910840235	8	117	75	1	6	
10863840900	3221910840242	9	125	81	1	6	
10863841000	3221910840259	10	133	87	1	6	
10863841100	3221910840266	11	142	94	1	1	
10863841200	3221910840273	12	151	101	1	1	
10863841300	3221910840280	13	151	101	1	1	
10863841400	3221910840297	14	160	108	1	1	
10863841500	3221910840303	15	169	114	1	1	
10863841600	3221910840310	16	178	120	1	1	
10863841800	3221910840327	18	191	130	1	1	
10863842000	3221910840334	20	205	140	1	1	

BRAD POINT WOOD DRILL BIT I ROUND SHANK I GENERAL PURPOSE

BROCA MADERA 3 PUNTAS / MANGO CILÍNDRICO / USO CORRIENTE

PUNTA LEGNO 3 PUNTE I CODOLO CILINDRICO I USO CORRENTE

TIVOLY NORM



3 point brad design ensures precise drilling. Efficient chip removal.

Precisión y taladrado gracias a sus 3 puntas. Muy buena evacuación de viruta.

Precisione di foratura grazie alle 3 punte, buona evacuazione dei trucioli.

Hard Wood
Madera dura
Legno duro

Laminates
Madera estratificada
Legno stratificato

Softwood
Madera blanda
legno tenero

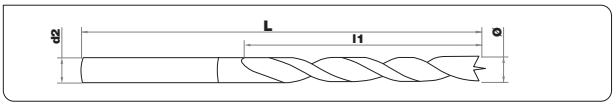
1080381	EAN	Ø	L	l	QTY	PCB	€
10803810300	3221910117351	3	61	33	1	10	
10803810400	3221910117368	4	75	43	1	10	
10803810500	3221910117375	5	86	52	1	10	
10803810600	3221910117382	6	93	57	1	10	
10803810700	3221910117399	7	109	69	1	10	
10803810800	3221910117405	8	117	75	1	10	
10803810900	3221910117412	9	125	81	1	5	
10803811000	3221910117429	10	133	87	1	5	

BRAD POINT WOOD DRILL BIT I ROUND SHANK I GENERAL PURPOSE

BROCA MADERA 3 PUNTAS / MANGO CILÍNDRICO / USO CORRIENTE

PUNTA LEGNO 3 PUNTE I CODOLO CILINDRICO I USO CORRENTE

TIVOLY NORM



3 point brad design ensures precise drilling. Efficient chip removal. Long length bit for deeper drilling.

Precisión de taladrado gracias a sus 3 puntas. Muy buena evacuación de viruta. Gran longitud para taladrados profundos.

Precisione di foratura grazie alla sue 3 punte. Buona evacuazione del truciolo. Grandi lunghezze per fori profondi.

Hard Wood
Madera dura
Legno duro

Laminates
Madera estratificada
Legno stratificato

Softwood
Madera blanda
legno tenero

1080042	EAN	Ø	L	l	QTY	PCB	€
10800420600	3221910008499	6	200	150	1	1	
10800420800	3221910008505	8	200	150	1	1	

1080052	EAN	Ø	L	l	QTY	PCB	€
10800521000	3221910001513	10	250	200	1	1	
10800521200	3221910001520	12	250	200	1	1	

1080062	EAN	Ø	L	l	QTY	PCB	€
10800621400	3221910001537	14	300	250	1	1	
10800621600	3221910001544	16	300	250	1	1	

1080072	EAN	Ø	L	l	QTY	PCB	€
10800721800	3221910039257	18	400	350	1	1	
10800722000	3221910039264	20	400	350	1	1	

1080044	EAN	Ø	L	l	QTY	PCB	€
10800440600	3221910026660	6	200	150	1	1	
10800440800	3221910026677	8	200	150	1	1	

1080054	EAN	Ø	L	l	QTY	PCB	€
10800541000	3221910026684	10	250	200	1	1	
10800541200	3221910026691	12	250	200	1	1	

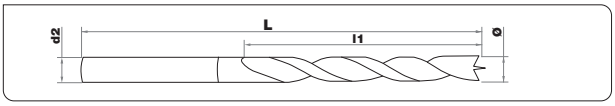
1080064	EAN	Ø	L	l	QTY	PCB	€
10800641400	3221910026707	14	300	250	1	1	
10800641600	3221910026714	16	300	250	1	1	

1080074	EAN	Ø	L	l	QTY	PCB	€
10800741800	3221910040765	18	400	350	1	1	
10800742000	3221910040772	20	400	350	1	1	

BRAD POINT WOOD DRILL BIT | HEX SHANK | LIGHT USAGE

BROCA MADERA 3 PUNTAS / MANGO HEXAGONAL / USO OCASIONAL

PUNTA LEGNO 3 PUNTE | CODOLO ESAGONALE | USO OCCASIONALE



Standard quality drill bit for light usage. Hex shank/Quick change

Producto de gama estándar ideal para uso ocasional. Mango hexagonal de cambio rápido.

Prodotto della gamma standard ideale per un utilizzo occasionale. Codolo con attacco esagonale per un cambio rapido.

Softwood

Madera blanda

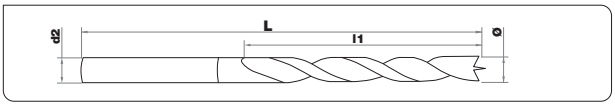
legno tenero

1080372	EAN	Ø	L	l	QTY	PCB	€
10803720300	3221910024789	3	80	33	1	1	
10803720400	3221910024796	4	94	43	1	1	
10803720500	3221910024802	5	105	52	1	1	
10803720600	3221910024819	6	112	57	1	1	
10803720700	3221910836023	7	109	69	1	1	
10803720800	3221910836030	8	117	75	1	1	
10803721000	3221910836047	10	133	87	1	1	
10803721200	3221910836054	12	151	101	1	1	
10803721300	3221910836061	13	151	101	1	1	

BRAD POINT WOOD DRILL BIT - ROUND SHANK -SOFTWOOD

BROCA MADERA 3 PUNTAS | MANGO CILÍNDRICO | USO OCASIONAL

PUNTA LEGNO 3 POINTES | CODOLO CILINDRICO | USO OCCASIONALE



Standard BRAD wood drill bit. For light occasional use.

Producto de gama estándar ideal para uso ocasional. Broca templada

Prodotto della gamma standard ideale per un utilizzo occasionale. Punta ottenuta con trafilatura a caldo

Softwood

Madera blanda

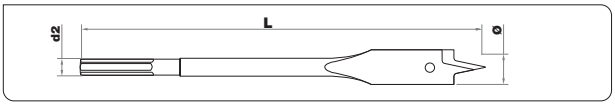
legno tenero

5080034	EAN	Ø	L	l	QTY	PCB	€
50800340300	3221910206338	3	60	32	1	6	
50800340400	3221910206345	4	70	45	1	6	
50800340500	3221910206352	5	85	50	1	6	
50800340600	3221910206369	6	92	55	1	6	
50800340700	3221910206376	7	100	65	1	6	
50800340800	3221910206383	8	115	75	1	6	
50800340900	3221910206390	9	116	80	1	6	
50800341000	3221910206406	10	130	85	1	6	
50800341100	3221910206413	11	150	95	1	1	
50800341200	3221910206420	12	150	95	1	1	
50800341300	3221910206437	13	150	95	1	1	
50800341400	3221910556297	14	150	95	1	1	
50800341600	3221910556303	16	160	100	1	1	
50800342000	3221910556310	20	160	100	1	1	

FLAT WOOD BIT | HEX SHANK | GENERAL PURPOSE

BROCA MADERA PLANA/ MANGO HEXAGONAL / USO CORRIENTE

PUNTA LEGNO PIATTA | CODOLO ESAGONALE | USO CORRENTE



Tip with double chip breaker ensures accurate drilling. Designed for large diameter holes

Precisión de taladrado gracias a su afilado doble rompe-virutas. Específico para el taladrado de diámetros grandes.

Precisione di foratura grazie alla sua doppia affilatura rompitruciolo. Specifico per foratura di grandi diametri.

Laminates

Madera estratificada

Legno stratificato

Softwood

Madera blanda

legno tenero

1080252	EAN	Ø	L	QTY	PCB	€
10802520800	3221910023393	8	149	1	3	
10802521000	3221910023416	10	152	1	3	
10802521200	3221910023423	12	152	1	3	
10802521400	3221910023447	14	152	1	3	
10802521600	3221910023461	16	152	1	3	
10802521800	3221910023485	18	152	1	3	
10802522000	3221910023508	20	152	1	3	
10802522200	3221910023515	22	158	1	3	
10802522300	3221910023522	23	158	1	3	
10802522400	3221910023539	24	158	1	3	
10802522500	3221910023546	25	158	1	3	
10802522600	3221910023553	26	158	1	3	
10802522800	3221910023560	28	164	1	3	
10802523000	3221910023577	30	164	1	3	
10802523200	3221910023584	32	164	1	1	
10802523400	3221910023607	34	164	1	1	
10802523500	3221910023614	35	164	1	1	
10802523600	3221910023621	36	164	1	1	
10802523800	3221910023638	38	164	1	1	

1080254	EAN	Ø	L	QTY	PCB	€
10802540600	3221910026981	6	149	1	3	
10802540800	3221910026998	8	152	1	3	
10802541000	3221910027018	10	152	1	3	
10802541200	3221910027025	12	152	1	3	
10802541300	3221910027032	13	152	1	3	
10802541400	3221910027049	14	152	1	3	
10802541600	3221910027056	16	152	1	3	
10802541800	3221910027063	18	152	1	3	
10802542000	3221910027070	20	152	1	3	
10802542200	3221910027087	22	158	1	3	
10802542300	3221910027094	23	158	1	3	
10802542400	3221910027100	24	158	1	3	
10802542500	3221910027117	25	158	1	3	
10802542600	3221910027124	26	158	1	3	
10802542800	3221910027131	28	164	1	3	
10802543000	3221910027148	30	164	1	3	
10802543200	3221910027155	32	164	1	1	
10802543400	3221910027179	34	164	1	1	
10802543500	3221910027186	35	164	1	1	
10802543600	3221910027193	36	164	1	1	
10802543800	3221910027209	38	164	1	1	

FLAT WOOD BIT EXTENSION I HEX SHANK I GENERAL PURPOSE

ALARGADOR BROCAS PLANAS MADERA / MANGO HEXAGONAL / USO CORRIENTE

PROLUNGA LEGNO PIATTA I CODOLO ESAGONALE I USO CORRENTE

TIVOLY NORM

HEXA

Bit extension 300mm - designed to fit to hex shank of Flat wood bits

Alargador de 300 mm, se adapta perfectamente al amarre de las brocas planas para madera.

Prolunga da 300 mm si adatta perfettamente all'utilizzo con mecchie piatte.

Laminates

Madera estratificada

Legno stratificato

Softwood

Madera blanda

legno tenero

1110082	EAN	L	QTY	PCB	€
11100820001	3221910004415	300	1	1	

ADJUSTABLE WOOD DRILL BIT

BROCA MADERA EXTENSIBLE / MANGO CILÍNDRICO / USO CORRIENTE

MECCHIA LEGNO ESTENSIBILE I CODOLO CILINDRICO I USO CORRENTE

TIVOLY NORM

Wood drill bit with adjustable cutting edges - for drilling diameters from 15mm to 45mm

Broca madera extensible, con plaquitas regulables para taladrar desde diam. 15 a 45 mm.

Punta legno estendibile per forare dal diametro 15 a 45 mm.

Wood

Madera

Legno

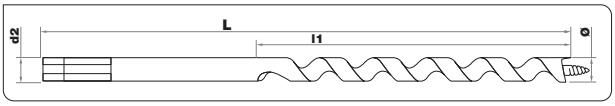
1080102	EAN	Ø	QTY	PCB	€
10801021345	3221910000301	15>45	1	1	

AUGER WOOD DRILL BIT | HEX SHANK | GENERAL PURPOSE

BROCA MADERA ESPIRAL ÚNICA | MANGO HEXAGONAL / USO CORRIENTE

PUNTA LEGNO SPIRALE UNICA | CODOLO ESAGONALE | USO CORRENTE

TIVOLY NORM



Threaded point for fast and accurate drilling. Ideal flute design for deep drilling

Taladrado rápido y preciso, gracias a su cabeza perfilada. canal ideal para el taladrado de agujeros profundos.

Precisione di foratura grazie alla sue 3 punte. Buona evacuazione del truciolo. Grandi lunghezze per fori profondi.

Hard Wood
Madera dura
Legno duro

Laminates
Madera estratificada
Legno stratificato

Softwood
Madera blanda
legno tenero

1080012	EAN	Ø	L	l	QTY	PCB	€
10800120400	3221910000387	4	200	130	1	1	
10800120500	3221910000394	5	200	130	1	1	
10800120600	3221910000400	6	200	130	1	1	
10800120800	3221910000424	8	200	130	1	1	
10800121000	3221910000448	10	200	130	1	1	
10800121200	3221910000462	12	200	130	1	1	
10800121400	3221910000486	14	200	130	1	1	
10800121600	3221910000509	16	200	130	1	1	
10800121800	3221910000516	18	200	130	1	1	
10800122000	3221910000523	20	200	130	1	1	
10800122200	3221910000530	22	200	130	1	1	
10800122400	3221910000554	24	200	130	1	1	

1080014	EAN	Ø	L	l	QTY	PCB	€
10800140400	3221910026318	4	200	130	1	1	
10800140500	3221910026325	5	200	130	1	1	
10800140600	3221910026332	6	200	130	1	1	
10800140700	3221910026349	7	200	130	1	1	
10800140800	3221910026356	8	200	130	1	1	
10800140900	3221910026363	9	200	130	1	1	
10800141000	3221910026370	10	200	130	1	1	
10800141100	3221910026387	11	200	130	1	1	
10800141200	3221910026394	12	200	130	1	1	
10800141300	3221910026400	13	200	130	1	1	
10800141400	3221910026417	14	200	130	1	1	
10800141600	3221910026424	16	200	130	1	1	
10800141800	3221910026431	18	200	130	1	1	
10800142000	3221910026448	20	200	130	1	1	
10800142200	3221910026455	22	200	130	1	1	
10800142300	3221910026462	23	200	130	1	1	
10800142400	3221910026479	24	200	130	1	1	
10800142500	3221910026486	25	200	130	1	1	
10800142600	3221910026493	26	200	130	1	1	
10800143000	3221910028732	30	200	130	1	1	

1080024	EAN	Ø	L	l	QTY	PCB	€
10800240800	3221910028787	8	450	380	1	1	
10800241000	3221910028800	10	450	380	1	1	
10800241200	3221910028824	12	450	380	1	1	
10800241400	3221910028848	14	450	380	1	1	
10800241600	3221910028862	16	450	380	1	1	
10800241800	3221910028886	18	450	380	1	1	
10800242000	3221910028909	20	450	380	1	1	
10800242200	3221910028923	22	450	380	1	1	
10800242400	3221910028947	24	450	380	1	1	

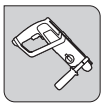
1080124	EAN	Ø	L	l	QTY	PCB	€
10801240800	3221910029098	8	600	530	1	1	
10801241000	3221910029111	10	600	530	1	1	
10801241200	3221910029135	12	600	530	1	1	
10801241400	3221910029159	14	600	530	1	1	
10801241600	3221910029173	16	600	530	1	1	
10801241800	3221910029197	18	600	530	1	1	
10801242000	3221910029210	20	600	530	1	1	
10801242200	3221910029234	22	600	530	1	1	

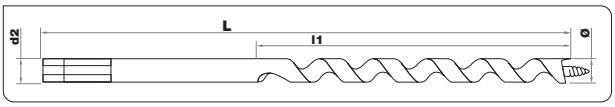
1080124	EAN	Ø	L	l	QTY	PCB	€
10801242400	3221910029258	24	600	530	1	1	

AUGER WOOD DRILL BIT | SDS+ SHANK | GENERAL PURPOSE

BROCA MADERA ESPIRAL ÚNICA | MANGO SDS+ / USO CORRIENTE

PUNTA LEGNO SPIRALE UNICA | CODOLO SDS+ | USO CORRENTE





Threaded point for fast and accurate drilling. Ideal flute design for deep drilling

Taladrado rápido y preciso, gracias a su cabeza roscada. Canal ideal para el taladrado de agujeros profundos.

Foratura rapida e precisa, grazie alla sua testa filettata. Gola di scarico ideale per praticare fori profondi.

Hard Wood
Madera dura
Legno duro

Laminates
Madera estratificada
Legno stratificato

Softwood
Madera blanda
legno tenero

1080163	EAN	Ø	L	l	QTY	PCB	€
10801630600	3221910835477	6	200	130	1	1	
10801630700	3221910835484	7	200	130	1	1	
10801630800	3221910835491	8	200	130	1	1	
10801630900	3221910835507	9	200	130	1	1	
10801631000	3221910835514	10	200	130	1	1	
10801631200	3221910835521	12	200	130	1	1	
10801631400	3221910835538	14	200	130	1	1	
10801631600	3221910835545	16	200	130	1	1	
10801631800	3221910835552	18	200	130	1	1	
10801632000	3221910835569	20	200	130	1	1	
10801632200	3221910835576	22	200	130	1	1	
10801632400	3221910835583	24	200	130	1	1	
10801632600	3221910835590	26	200	130	1	1	
10801633000	3221910835606	30	200	130	1	1	

1080183	EAN	Ø	L	l	QTY	PCB	€
10801830800	3221910835613	8	450	380	1	1	
10801831000	3221910835620	10	450	380	1	1	
10801831200	3221910835637	12	450	380	1	1	
10801831400	3221910835644	14	450	380	1	1	
10801831600	3221910835651	16	450	380	1	1	
10801831800	3221910835668	18	450	380	1	1	
10801832000	3221910835675	20	450	380	1	1	
10801832200	3221910835682	22	450	380	1	1	
10801832400	3221910835699	24	450	380	1	1	

DEPTH STOP FOR DECK INSTALLATION I HEX SHANK

TOPE COLOCACIÓN TARIMA / MANGO HEXAGONAL / USO ESPECÍFICO

ARRESTO PER TERRAZZE I CODOLO ESAGONALE I USO SPECIFICO

Depth stop for large scale screwdriving tasks. Drills /Countersinks to constant depth

Tope especifico para la colocación intensiva de la punta. Permite taladrar y fresar siempre a la misma profundidad.

Arresto per la posa in maniera intesiva di viti. Permette di forare e fresare sempre alla stessa profondità.

Terrace
Tarima
Terrazze

Hard Wood
Madera dura
Legno duro

=> ØA
=> ØA
=> ØA

1110234	EAN	Ø	Ø A	QTY	PCB	€
11102340400	3221910880446	2,5	3>4	1	1	
11102340500	3221910880453	3	4>5	1	1	
11102340600	3221910880460	3,5	5>6	1	1	

DEPTH STOP KIT FOR DECK INSTALLATION

KIT TOPES COLOCACIÓN TARIMAS

KIT ARRESTO TERRAZZE

11102370001
3221910882051

QTY	PCB	€
8	1	

Depth stop + Allen key+ 2 x3mm wood bits + 4 screwdriver bits PZ2,TX20/25

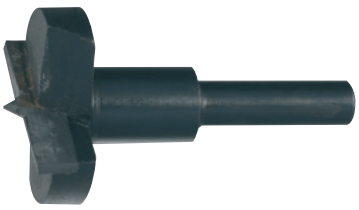
Tope colocación de tarima + llave allen + 2 brocas madera ø 3mm + 4 puntas PZ2/2 - TX 20-25

Arresto per vite + chiave di chiusura + 2 punte legno ø 3 mm + 4 Inserti PZ2/2 - TX 20-25

HINGE DRILL BIT I ROUND SHANK I

BROCAS PARA VISAGRA / MANGO CILÍNDRICO / USO ESPECIFICO

MECCHIA CERNIERE I CODOLO CILINDRICO I USO SPECIFICO



Special bit designed for invisible hinges - for blind holes

Especial para colocación de bisagras invisibles. Taladrado de agujero ciego.

Specila eper la posa di cerniere. Foratura a buco cieco.

Softwood

Madera blanda

legno tenero

Hard Wood

Madera dura

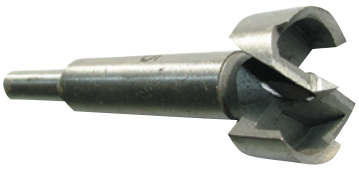
Legno duro

1110242	EAN	Ø	QTY	PCB	€
11102421500	3221910222550	15	1	1	
11102422000	3221910222567	20	1	1	
11102422600	3221910018962	26	1	1	
11102423000	3221910018979	30	1	1	
11102423500	3221910018986	35	1	1	

FORSTNER DRILL BIT I ROUND SHANK I APPLICATION SPECIFIC

FRESA PARA ENCASTRAR I MANGO CILÍNDRICO I USO ESPECÍFICO

FRESA A INCASTRO I CODOLO CILINDRICO I USO SPECIFICO



Special bit designed for installation of locks/cables/pipes- for through & blind holes

Especial para la colocación de cerraduras y pasado de cables en tubos. Taladrado de agujeros ciegos

L'installazione di serrature speciali e il passaggio di cavi o tubi. Foratura di fori passanti o foro cieco.

Softwood

Madera blanda

legno tenero

Laminates

Madera estratificada

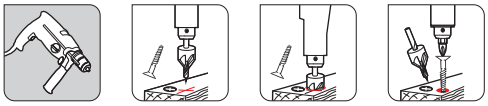
Legno stratificato

XT60242	EAN	Ø	QTY	PCB	€
XT60672000395	3128820003951	25	1	1	
XT60672000398	3128820003982	35	1	1	

WOOD DRILL & COUNTERSINK BIT | ROUND SHANK

BROCA & FRESA | MANGO CILÍNDRICO | USO ESPECÍFICO

MECCHIA & FRESA | CODOLO CILINDRICO | USO SPECIFICO



Specially designed bit for flat head screws. Aids control of drilling depth

Especial para alojamiento de puntas con cabeza fresada. Controlar la profundidad de taladrado

Speciale per l'inacstro di viti. Metrizzando la vostra profondità di foratura.

Softwood
Madera blanda
legno tenero

Laminates
Madera estratificada
Legno stratificato

1190062	EAN	Ø	QTY	PCB	€
11900620300	3221910019006	3	1	1	
11900620400	3221910019013	4	1	1	
11900620500	3221910019020	5	1	1	
11900620600	3221910019037	6	1	1	

COUNTERSINK BIT HSS 90° | HEX SHANK |

AVELLANADOR HSS 90° | MANGO HEXAGONAL | USO ESPECÍFICO

FRESA A SMUSSO HSS 90° | CODOLO ESAGONALE | USO SPECIFICO

Bit specially designed for countersinking flat head screws

Especial para biselar y avellanar la cabezas de los tornillos fresados

Speciale per la smussatura e annegare la vite

Softwood
Madera blanda
legno tenero

XT60012	EAN	Ø	L	QTY	PCB	€
XT60612045214	3128820452148	10	38	1	3	
XT60612045215	3128820452155	12	40	1	3	
XT60612045216	3128820452162	16	42	1	3	
XT60612045205	3128820452056	19	50	1	3	

WOOD DRILL & COUNTERSINK BIT SET

LOT BROCA & FRESA

SET MECCHIA & FRESA

11900670001

3221912000040

QTY	PCB	€
3	1	

WOOD/COUNTERSINK bits ø 3-4-5 mm

BROCAS & FRESAS ø 3-4-5 mm

Punte MECCHIE & FRESE ø 3-4-5 mm

#09

G11 GREEN SLR SET

07 PCS

TIVOLY NORM

GREEN WOOD BITS Depth marked ø 3-4-5-6-7-8-10 mm

EST. G11 GREEN SLR

Brocas MADERA GREEN GRADUADAS ø 3-4-5-6-7-8-10 mm

COF. G11 GREEN SLR

10863970014

3221910879167

QTY	PCB	€
7	1	

Punte LEGNO GRADUATE GREEN ø 3-4-5-6-7-8-10 mm

G13 GREEN SLR SET

05 PCS

TIVOLY NORM

GREEN WOOD BITS Depth marked ø 3-4-5-6-8mm

EST. G13 GREEN SLR

Brocas MADERA GREEN GRADUADAS ø 3-4-5-6-8 mm

COF. G13 GREEN SLR

10863970016

3221910879174

QTY	PCB	€
5	1	

Punte LEGNO GRADUATE GREEN ø 3-4-5-6-8 mm

C11 WOOD SLR SET

07 PCS

TIVOLY NORM

Depth marked PRO BRAD POINT BIT ø 3-4-5-6-7-8-10mm

EST. C11 SLR

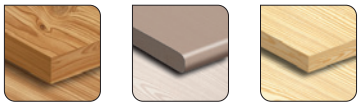
Brocas MADERA 3 PUNTAS PRO GRADUADAS ø 3-4-5-6-7-8-10 mm

COF. C11 SLR

10863870014

3221910840501

QTY	PCB	€
7	1	



Punte LEGNO 3 PUNTE PRO GRADUATA ø 3-4-5-6-7-8-10 mm

C12 WOOD SLR SET

05 PCS

TIVOLY NORM

Depth marked PRO BRAD POINT BIT ø 4-5-6-8-10mm

EST. C12 SLR

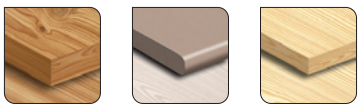
Brocas MADERA 3 PUNTAS PRO GRADUADAS ø 4-5-6-8-10 mm

COF. C12 SLR

10863870015

3221910840518

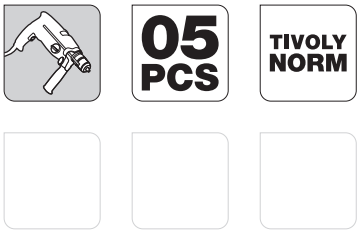
QTY	PCB	€
5	1	



Punte LEGNO 3 PUNTE PRO GRADUATA ø 4-5-6-8-10 mm

#09

C13 WOOD SLR SET



Depth marked PRO BRAD POINT BIT ø 3-4-5-6-8mm

EST. C13 SLR

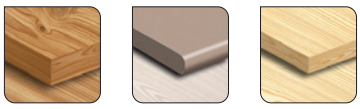
Brocas MADERA 3 PUNTAS PRO GRADUADAS ø 3-4-5-6-8 mm

COF. C13 SLR

10863870016

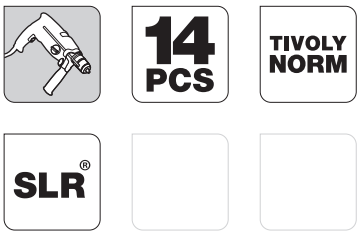
3221910840525

QTY	PCB	€
5	1	



Punte LEGNO 3 PUNTE PRO GRADUATA ø 3-4-5-6-8 mm

T14 WOOD SLR SET



Depth marked PRO BRAD POINT BIT ø 3>10mm+FLATWOOD bits ø 12>22mm

MAL. T14 SLR

Brocas MADERA 3 PUNTAS PRO GRADUADAS ø 3>10 mm + MADERA PLANA ø 12>22 mm

VAL.T14 SLR

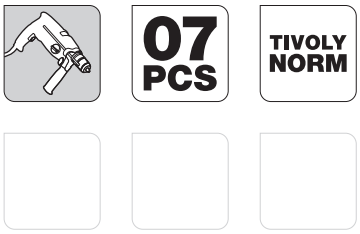
10863870010

3221910880064

QTY	PCB	€
14	1	

Punte LEGNO 3 PUNTE PRO GRADUATA ø 3>10 mm + LEGNO PIATTE ø 12>22 mm

4121 WOOD SLR SET



Depth marked PRO BRAD POINT BIT ø 4-5-6-7-8-10-12 mm

EST. 4121 SLR

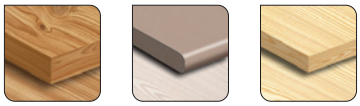
Brocas MADERA 3 PUNTAS PRO GRADUADAS ø 4-5-6-7-8-10-12 mm

COF. 4121 SLR

10863870003

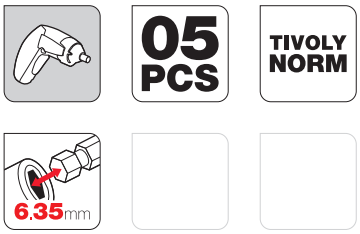
3221910849405

QTY	PCB	€
7	1	



Punte LEGNO 3 PUNTE PRO GRADUATA ø 4-5-6-7-8-10-12 mm

C5 WOOD HEXA SET



BRAD POINT DRILL BIT HEX ø 3-4-5-6-8 mm

EST. C5 HEXA

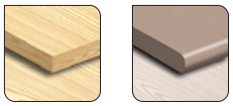
Broca MADERA 3 PUNTAS HEXA ø 3-4-5-6-8 mm

COF. C5 ESAGONALE

10803770001

3221910866617

QTY	PCB	€
5	1	



Punte LEGNO 3 PUNTE ESAGONALE ø 3-4-5-6-8 mm

#09

5 STD WOOD SET

STD BRAD WOOD DRILL BITS ø 4 > 10 mm

EST. MADERA 5 STD

Brocas MADERA 3 PUNTAS ESTÁNDAR ø 4 > 10 mm

COF. LEGNO 5 STD

50800370006

3221910018115

QTY	PCB	€
5	1	

Punte LEGNO 3 PUNTE STANDARD ø 4 > 10 mm

8 STD WOOD SET

STD BRAD WOOD DRILL BITS ø 3 > 10 mm

EST. MADERA 8 STD

Brocas MADERA 3 PUNTAS ESTÁNDAR ø 3 > 10 mm

COF. LEGNO 8 STD

50800370005

3221910018108

QTY	PCB	€
8	1	

Punte LEGNO 3 PUNTE STANDARD ø 3 > 10 mm

8 STD WOOD KIT

STD BRAD WOOD DRILL BITS ø 3 > 10 mm

LOT MADERA 8 STD

Brocas MADERA 3 PUNTAS ESTÁNDAR ø 3 > 10 mm

SET LEGNO 8 STD

50800370001

3221910850852

QTY	PCB	€
8	1	

Punte LEGNO 3 PUNTE STANDARD ø 3 > 10 mm

6 FLAT WOOD KIT

STD FLAT WOOD BIT ø 10-12-16-18-20-25 mm

LOT MADERA 6 PLANAS

Brocas MADERA PLANA ESTÁNDAR ø 10-12-16-18-20-25 mm

SET LEGNO 6 PIATTE

50800870001

3221910847920

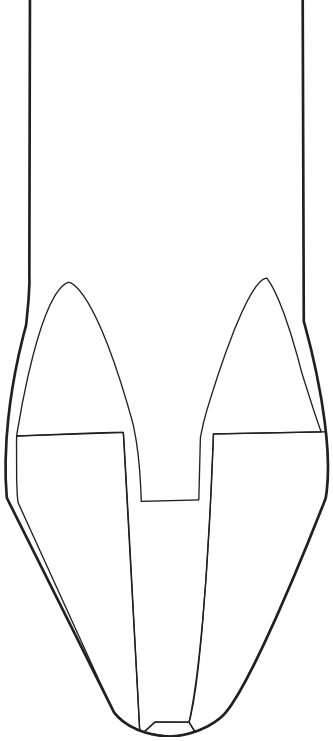
QTY	PCB	€
6	1	

Punte LEGNO PIATTE STANDARD ø 10-12-16-18-20-25 mm

GENE-
RAL
CATALOGUE

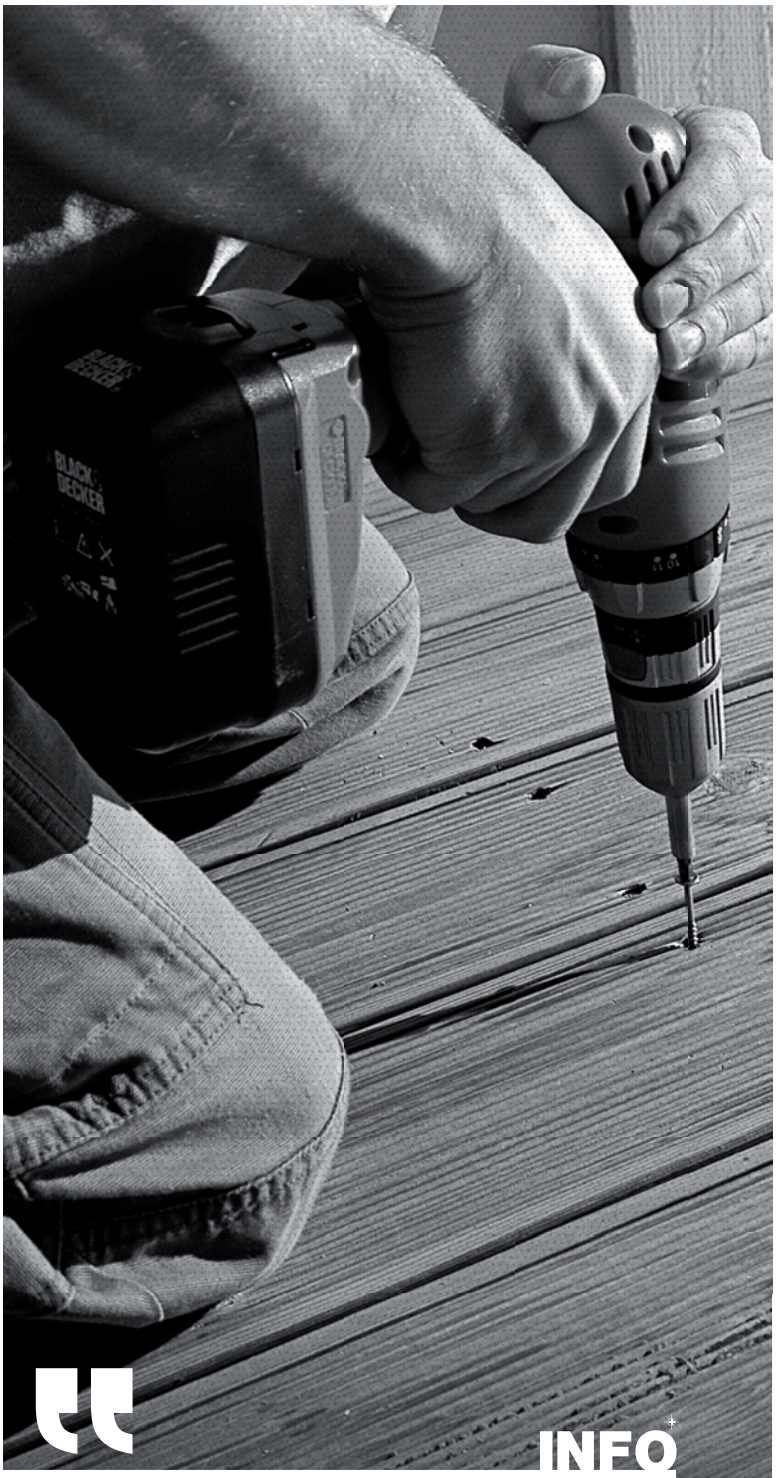
SCREWDRIVING
ATORNILLADO
AVVITATURA

#10/19



SCREWDRIVING
ATORNILLADO
AVVITATURA

465 Screwdriver Bits. Puntas. Inserti. #10
Sockets/Socket Drivers. Casquillos/llaves de vaso. Bussole/bussole di serraggio.
Bit holders/Adaptors. Porta-puntas/Adaptadores. Porta Inserti / adattatore.
Accessories. Accesorios. Accessori.
493 Sets. Estuches. Cofanetti.



VISSAGE
SCREWDRIVING

Torsion | Impaktor
L'embout Impaktor pour répondre aux contraintes extrêmes de vissage sur visseuse à choc.
Impaktor bit to meet the extreme tightening on impact screwdriver.

Torsion | Inox
L'embout inox pour une résistance totale à l'oxydation.
The stainless steel bit for a total resistance to oxidation.

Bi-Torsion | Diamant
L'embout Bi-Torsion diamant pour plus de mordant et une longévité exceptionnelle.
The diamond BiTorsion bit designed for more biting and durability.

Torsion | Extra dur
L'embout Torsion extra dur pour une longévité accrue.
The Torsion extra hard bit for increased durability.

Torsion
L'embout Torsion pour une meilleure résistance à la rupture.
The Torsion bit for better resistance to breakage.

Standard
Standard

Sécurité
Security

INFO

Qu'est-ce que l'effet torsion ? C'est un embout dont la zone centrale a subi une modification de sa géométrie. Cette zone permet d'absorber les chocs en fin de vissage notamment. Cela évite donc la rupture précoce et permet une longévité nettement supérieure de l'outil.

What is the torsion effect ? This is a tip that the central area has undergone a change in its geometry. This area is used to absorb shocks at the end of screwdriving. This avoids early breaking and allows a much greater longevity of the tool.

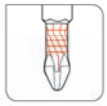
particulier@tivoly.com

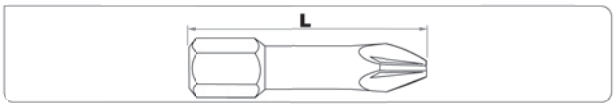
#10

IMPAKTOR TORSION BIT | S/DRIVER BIT FOR POZIDRIV SCREWS

IMPAKTOR TORSIÓN | PUNTAS DE ATORNILLADO POZIDRIV

IMPAKTOR TORSION | INSERTI PER VITI POZIDRIV





Impaktor Screwdriver bit : for impact wrenches , extreme applications.

Punta Impaktor: Uso sobre taladro a percusión para responder a las dificultades extremas de atornillado.

L'Inserto Impaktor : uso su avvitatore a impulsi, per rispondere alle esigenze di avvitatura estrema.

For Pozidriv screws
Para tornillos Pozidriv
Per viti con impronta Pozidriv

=> ØA
=> ØA
=> ØA

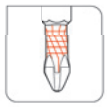
1152522	EAN	N	L	Ø A	QTY	PCB
11525220001	3221912006301	N2-3	25	3,5-5 / 5,5-7	2	1
11525220200	3221910899547	N2	25	3,5-5	1	3
11525220300	3221910899554	N3	25	5,5-7	1	3

#10

IMPAKTOR TORSION BIT | S/DRIVER BIT FOR POZIDRIV SCREWS

IMPAKTOR TORSIÓN | PUNTAS DE ATORNILLADO POZIDRIV

IMPAKTOR TORSION | INSERTI PER VITI POZIDRIV



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L'Inserto Impaktor : uso su avvitatore a impulsi, per rispondere alle esigenze di avvitatura estrema.

For Pozidriv screws
Para tornillos Pozidriv
Per viti con impronta Pozidriv

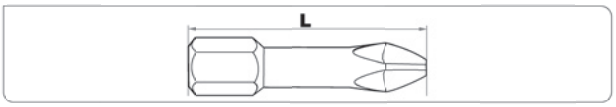
=> ØA
=> ØA
=> ØA

1152572	EAN	N	L	Ø A	QTY	PCB
11525720200	3221910899585	N2	50	3,5-5	1	3
11525720300	3221910899592	N3	50	5,5-7	1	3

IMPAKTOR TORSION BIT | S/DRIVER BIT FOR PHILLIPS SCREWS

IMPAKTOR TORSIÓN | PUNTAS DE ATORNILLADO PHILIPS

IMPAKTOR TORSION | INSERTI PER VITI PHILIPS



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Punta Impaktor: Uso sobre taladro a percusión para responder a las dificultades extremas de atornillado.

L'Inserto Impaktor : uso su avvitatore a impulsi, per rispondere alle esigenze di avvitatura estrema.

For Philips screws
Para tornillos Philips
Per viti con impronta Philips

=> ØA
=> ØA
=> ØA

1152532	EAN	N	L	Ø A	QTY	PCB
11525320001	3221912006318	N2-3	25	3,5-5 / 5,5-7	2	1
11525320200	3221910899561	N2	25	3,5-5	1	3
11525320300	3221910899578	N3	25	5,5-7	1	3

IMPAKTOR TORSION BIT | S/DRIVER BIT FOR PHILLIPS SCREWS

IMPAKTOR TORSIÓN | PUNTAS DE ATORNILLADO PHILIPS

IMPAKTOR TORSION | INSERTI PER VITI PHILIPS

Impaktor Screwdriver bit : for impact wrenches , extreme applications.

Punta Impaktor: Uso sobre taladro a percusión para responder a las dificultades extremas de atornillado.

L'Inserto Impaktor : uso su avvitatore a impulsi, per rispondere alle esigenze di avvitatura estrema.

For Philips screws
Para tornillos Philips
Per viti con impronta Philips

=> ØA
=> ØA
=> ØA

1152582	EAN	N	L	Ø A	QTY	PCB
11525820200	3221910899608	N2	50	3,5-5	1	3
11525820300	3221910899615	N3	50	5,5-7	1	3

IMPAKTOR TORSION BIT | S/DRIVER BIT FOR TORX SCREWS

IMPAKTOR TORSIÓN | PUNTAS DE ATORNILLADO TORX

IMPAKTOR TORSION | INSERTI PER VITI TORX

Impaktor Screwdriver bit : for impact wrenches , extreme applications.

Punta Impaktor: Uso sobre taladro a percusión para responder a las dificultades extremas de atornillado.

L'Inserto Impaktor : uso su avvitatore a impulsi, per rispondere alle esigenze di avvitatura estrema.

For Torx screws
Para tornillos Torx
Per viti con impronta Torx

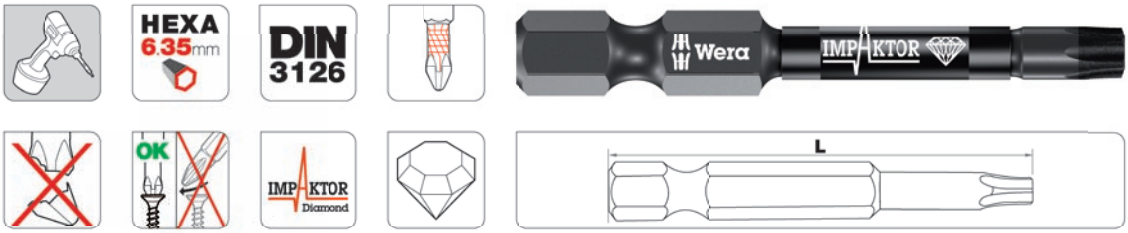
=> ØA
=> ØA
=> ØA

1152552	EAN	N	L	Ø A	QTY	PCB
11525520001	3221912006325	N20-25	25	4-4,2 / 5-5,5	2	1
11525520002	3221912006332	N30-40	25	6-6,3 / 8	2	1
11525522500	3221910899646	N25	25	5-5,5	1	3
11525523000	3221910899653	N30	25	6-6,3	1	3

IMPAKTOR TORSION BIT | S/DRIVER BIT FOR TORX SCREWS

IMPAKTOR TORSIÓN | PUNTAS DE ATORNILLADO TORX

IMPAKTOR TORSION | INSERTI PER VITI TORX



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Punta Impaktor: Uso sobre taladro a percusión para responder a las dificultades extremas de atornillado.

L'Inserto Impaktor : uso su avvitatore a impulsi, per rispondere alle esigenze di avvitatura estrema.

For Torx screws
Para tornillos Torx
Per viti con impronta Torx

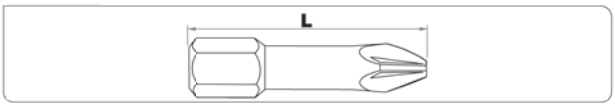
=> ØA
=> ØA
=> ØA

1152542	EAN	N	L	Ø A	QTY	PCB
11525422500	3221910899622	N25	50	5-5,5	1	3
11525423000	3221910899639	N30	50	6-6,3	1	3

STAINLESS TORSION BIT | S/DRIVER BIT FOR POZIDRIV SCREWS

INOX TORSIÓN | PUNTAS DE ATORNILLADO POZIDRIV

INOX TORSION | INSERTI PER VITI POZIDRIV



Stainless steel screwdriver bit : ideal for avoiding rusting of screws | Torsion Zone.

Punta Inox: la herramienta indispensable para evitar todos los problemas del óxido / Efecto torsión.

L'Inserto inox: l'inserto indispensabile per evitare tutti i problemi di ruggine | Effetto Torsion.

For Pozidriv screws
Para tornillos Pozidriv
Per viti con impronta Pozidriv

=> ØA
=> ØA
=> ØA

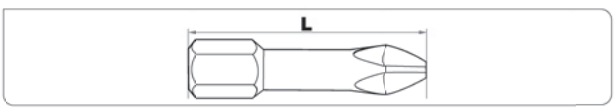
1152422	EAN	N	L	Ø A	QTY	PCB
11524220001	3221912006233	N1-2-3	25	2,5-3 / 3,5-5 / 5,5-7	3	1
11524220100	3221910868161	N1	25	2,5-3	1	3
11524220200	3221910868178	N2	25	3,5-5	1	3
11524220300	3221910868185	N3	25	5,5-7	1	3

1152427	EAN	N	L	Ø A	QTY	PCB
11524270001	3221912006240	N2	25	3,5-5	5	1

STAINLESS TORSION BIT | S/DRIVER BIT FOR PHILLIPS SCREWS

INOX TORSIÓN | PUNTAS DE ATORNILLADO PHILIPS

INOX TORSION | INSERTI PER VITI PHILIPS



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Punta Inox: la herramienta indispensable para evitar todos los problemas del óxido / Efecto torsión.

L'Inserto inox: l'inserto indispensabile per evitare tutti i problemi di ruggine | Effetto Torsion.

For Philips screws
Para tornillos Philips
Per viti con impronta Philips

=> ØA
=> ØA
=> ØA

1152432	EAN	N	L	Ø A	QTY	PCB
11524320001	3221912006257	N1-2-3	25	2,5-3 / 3,5-5 / 5,5-7	3	1
11524320100	3221910868345	N1	25	2,5-3	1	3
11524320200	3221910868352	N2	25	3,5-5	1	3
11524320300	3221910868369	N3	25	5,5-7	1	3

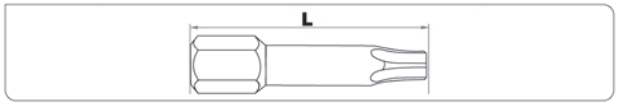
1152437	EAN	N	L	Ø A	QTY	PCB
11524370001	3221912006264	N2	25	3,5-5	5	1

#10

STAINLESS TORSION BIT I S/DRIVER BIT FOR TORX SCREWS

INOX TORSIÓN I PUNTAS DE ATORNILLADO TORX

INOX TORSION I INSERTI PER VITI TORX



Stainless steel screwdriver bit : ideal for avoiding rusting of screws I Torsion Zone.

Punta Inox: la herramienta indispensable para evitar todos los problemas del óxido / Efecto torsión.

L'Inserto inox: l'inserto indispensabile per evitare tutti i problemi di ruggine I Effetto Torsion.

For Torx screws
Para tornillos Torx
Per viti con impronta Torx

=> ØA
=> ØA
=> ØA

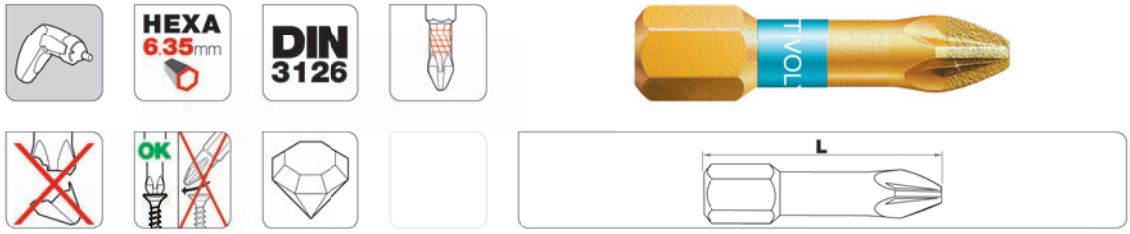
1152452	EAN	N	L	Ø A	QTY	PCB
11524520002	3221912006288	N10-15-20	25	3-3,5 / 3,5-3,9 / 4-4,2	3	1
11524520001	3221912006271	N20-25-30	25	4-4,2 / 5-5,5 / 6-6,3	3	1
11524521000	3221910868253	N10	25	3-3,5	1	3
11524521500	3221910868260	N15	25	3,5-3,9	1	3
11524522000	3221910868277	N20	25	4-4,2	1	3
11524522500	3221910868284	N25	25	5-5,5	1	3
11524523000	3221910868291	N30	25	6-6,3	1	3
11524524000	3221910868307	N40	25	8	1	3

1152457	EAN	N	L	Ø A	QTY	PCB
11524570001	3221912006295	N25	25	5-5,5	5	1

DIAMANT BI-TORSION BIT I S/DRIVER BIT FOR POZIDRIV SCREWS

DIAMANT BI-TORSIÓN I PUNTAS DE ATORNILLADO POZIDRIV

DIAMANTATO BI-TORSION I INSERTI PER VITI POZIDRIV



Diamant Bi-Torsion bit : for the toughest screwdriving jobs, for large scale driving tasks.

Punta Bi-Torsión Diamant: Para los atornillados más exigentes, especialmente para atornillados en gran serie.

L'Inserto Bi-Torsion Diamantato: per l'utilizzatori piu esigenti, nettamente utilizzo in grande serie.

For Pozidriv screws
Para tornillos Pozidriv
Per viti con impronta Pozidriv

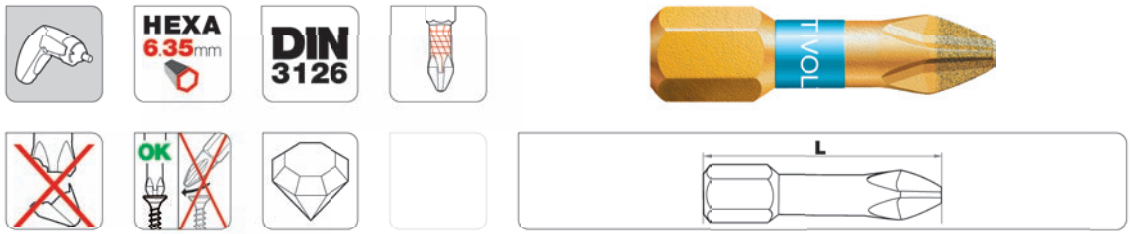
=> ØA
=> ØA
=> ØA

1152322	EAN	N	L	Ø A	QTY	PCB
11523220001	3221910867904	N1-2-3	25	2,5-3 / 3,5-5 / 5,5-7	3	1
11523220100	3221910867911	N1	25	2,5-3	1	3
11523220200	3221910867928	N2	25	3,5-5	1	3
11523220300	3221910867935	N3	25	5,5-7	1	3

DIAMANT BI-TORSION BIT I S/DRIVER BIT FOR PHILLIPS SCREWS

DIAMANT BI-TORSIÓN I PUNTAS DE ATORNILLADO PHILIPS

DIAMANTATO BI-TORSION I INSERTI PER VITI PHILIPS



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L'Inserto Bi-Torsion Diamantato: per l'utilizzatori piu esigenti, nettamente utilizzo in grande serie.

For Philips screws
Para tornillos Philips
Per viti con impronta Philips

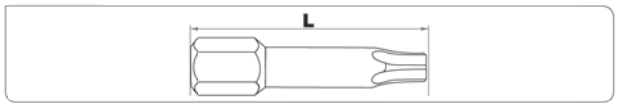
=> ØA
=> ØA
=> ØA

1152332	EAN	N	L	Ø A	QTY	PCB
11523320001	3221910867973	N1-2-3	25	2,5-3 / 3,5-5 / 5,5-7	3	1
11523320100	3221910867980	N1	25	2,5-3	1	3
11523320200	3221910867997	N2	25	3,5-5	1	3
11523320300	3221910868000	N3	25	5,5-7	1	3

DIAMANT BI-TORSION BIT | S/DRIVER BIT FOR TORX SCREWS

DIAMANT BI-TORSIÓN | PUNTAS DE ATORNILLADO TORX

DIAMANTATO BI-TORSION | INSERTI PER VITI TORX



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For Torx screws
Para tornillos Torx
Per viti con impronta Torx

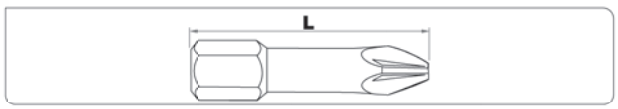
=> ØA
=> ØA
=> ØA

1152352	EAN	N	L	Ø A	QTY	PCB
11523521000	3221910868079	N10	25	3-3,5	1	3
11523521500	3221910868086	N15	25	3,5-3,9	1	3
11523522000	3221910868093	N20	25	4-4,2	1	3
11523522500	3221910868109	N25	25	5-5,5	1	3
11523523000	3221910868116	N30	25	6-6,3	1	3
11523524000	3221910868123	N40	25	8	1	3

EXTRA TOUGH TORSION BIT | S/DRIVER BIT FOR POZIDRIV SCREWS

EXTRA DURA TORSIÓN | PUNTAS DE ATORNILLADO POZIDRIV

EXTRA DURO TORSION | INSERTI PER VITI POZIDRIV



Extra Tough Screwdriver bit : for tasks in soft materials | Avoids premature wear | Torsion zone.

Punta extra-dura: Para el atornillado en materiales blandos. Evita el desgaste precoz. | Efecto torsión.

L'Inserto Extra Duro: per le avvitature in materiali teneri | Evita l'usura precoce | Effetto Torsion.

For Pozidriv screws
Para tornillos Pozidriv
Per viti con impronta Pozidriv

=> ØA
=> ØA
=> ØA

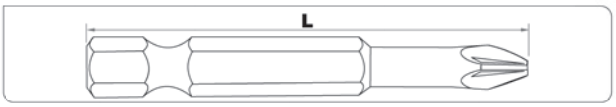
1152222	EAN	N	L	Ø A	QTY	PCB
11522220001	3221910867522	N1-2-3	25	2,5-3 / 3,5-5 / 5,5-7	3	1
11522220100	3221910867539	N1	25	2,5-3	1	3
11522220200	3221910867546	N2	25	3,5-5	1	3
11522220300	3221910867553	N3	25	5,5-7	1	3

1152226	EAN	N	L	Ø A	QTY	PCB
11522260200	3221910896331	N2	25	3,5-5	10	3

EXTRA TOUGH TORSION BIT I S/ DRIVER BIT FOR POZIDRIV SCREWS

EXTRA DURA TORSIÓN I PUNTAS DE ATORNILLADO POZIDRIV

EXTRA DURO TORSION I INSERTI PER VITI POZIDRIV



Extra Tough Screwdriver bit : for tasks in soft materials I Avoids premature wear I Torsion zone.

Punta extra-dura: Para el atornillado en materiales blandos. Evita el desgaste precoz. I Efecto torsión.

L'Inserto Extra Duro: per le avvitature in materiali teneri I Evita l'usura precoce I Effetto Torsion.

For Pozidriv screws
Para tornillos Pozidriv
Per viti con impronta Pozidriv

=> ØA
=> ØA
=> ØA

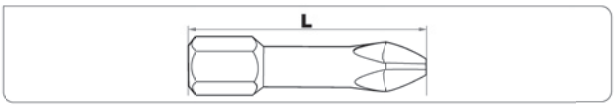
1152272	EAN	N	L	Ø A	QTY	PCB
11522720100	3221910867782	N1	50	2,5-3	1	3
11522720200	3221910867799	N2	50	3,5-5	1	3
11522720300	3221910867805	N3	50	5,5-7	1	3

1152276	EAN	N	L	Ø A	QTY	PCB
11522760200	3221910896409	N2	50	3,5-5	5	3

EXTRA TOUGH TORSION BIT I S/ DRIVER BIT FOR PHILLIPS SCREWS

EXTRA DURA TORSIÓN I PUNTAS DE ATORNILLADO PHILIPS

EXTRA DURO TORSION I INSERTI PER VITI PHILIPS



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Punta extra-dura: Para el atornillado en materiales blandos. Evita el desgaste precoz. I Efecto torsión.

L'Inserto Extra Duro: per le avvitature in materiali teneri I Evita l'usura precoce I Effetto Torsion.

For Philips screws
Para tornillos Philips
Per viti con impronta Philips

=> ØA
=> ØA
=> ØA

1152232	EAN	N	L	Ø A	QTY	PCB
11522320001	3221910867591	N1-2-3	25	2,5-3 / 3,5-5 / 5,5-7	3	1
11522320100	3221910867607	N1	25	2,5-3	1	3
11522320200	3221910867614	N2	25	3,5-5	1	3
11522320300	3221910867621	N3	25	5,5-7	1	3

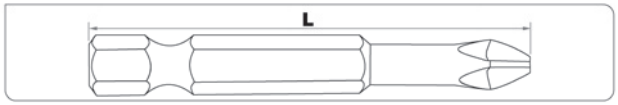
1152236	EAN	N	L	Ø A	QTY	PCB
11522360200	3221910896348	N2	25	3,5-5	10	3

#10

EXTRA TOUGH TORSION BIT I S/ DRIVER BIT FOR PHILLIPS SCREWS

EXTRA DURA TORSIÓN I PUNTAS DE ATORNILLADO PHILIPS

EXTRA DURO TORSION I INSERTI PER VITI PHILIPS



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L'Inserto Extra Duro: per le avvitature in materiali teneri I Evita l'usura precoce I Effetto Torsion.

For Philips screws
Para tornillos Philips
Per viti con impronta Philips

=> ØA
=> ØA
=> ØA

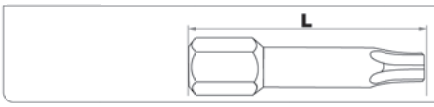
1152282	EAN	N	L	Ø A	QTY	PCB
11522820100	3221910867843	N1	50	2,5-3	1	3
11522820200	3221910867850	N2	50	3,5-5	1	3
11522820300	3221910867867	N3	50	5,5-7	1	3

1152286	EAN	N	L	Ø A	QTY	PCB
11522860200	3221910896416	N2	50	3,5-5	5	3

EXTRA TOUGH TORSION BIT | S/ DRIVER BIT FOR TORX SCREWS

EXTRA DURA TORSIÓN | PUNTAS DE ATORNILLADO TORX

EXTRA DURO TORSION | INSERTI PER VITI TORX



Extra Tough Screwdriver bit : for tasks in soft materials | Avoids premature wear | Torsion zone.

Punta extra-dura: Para el atornillado en materiales blandos. Evita el desgaste precoz. | Efecto torsión.

L'Inserto Extra Duro: per le avvitature in materiali teneri | Evita l'usura precoce | Effetto Torsion.

For Torx screws
Para tornillos Torx
Per viti con impronta Torx

=> ØA
=> ØA
=> ØA

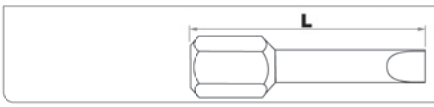
1152252	EAN	N	L	Ø A	QTY	PCB
11522521000	3221910867690	N10	25	3-3,5	1	3
11522521500	3221910867706	N15	25	3,5-3,9	1	3
11522522000	3221910867713	N20	25	4-4,2	1	3
11522522500	3221910867720	N25	25	5-5,5	1	3
11522523000	3221910867737	N30	25	6-6,3	1	3
11522524000	3221910867744	N40	25	8	1	3

1152256	EAN	N	L	Ø A	QTY	PCB
11522561000	3221910896355	N10	25	3-3,5	10	3
11522561500	3221910896362	N15	25	3,5-3,9	10	3
11522562000	3221910896379	N20	25	4-4,2	10	3
11522562500	3221910896386	N25	25	5-5,5	10	3
11522563000	3221910896393	N30	25	6-6,3	10	3

TORSION | SCREWDRIVER BITS FOR SLOTTED SCREWS

TORSIÓN | PUNTAS DE ATORNILLADO RANURA

TORSION | INSERTI PER VITI TAGLIO



Torsion bit : ideal for screwdriving in metal & hard materials | Torsion zone.

Punta de Torsión: ideal para el atornillado en metal y materiales duros | Efecto Torsión.

L'Inserto Torsion: ideale per l'avvitatura in materiali metallici e materiali duri | Effetto Torsion.

For slot screws
Para tornillos hendidura
Perviti con impronta taglio

=> ØA
=> ØA
=> ØA

1152012	EAN	Ø	L	Ø A	QTY	PCB
11520120400	3221910866921	4	25	2,5-2,9	2	6
11520120450	3221910866938	4.5	25	2,2-2,5	2	6
11520120550	3221910866945	5.5	25	2,9-3,5	2	6
11520120650	3221910866952	6.5	25	5	2	6

TORSION | SCREWDRIVER BITS FOR POZIDRIV SCREWS

TORSIÓN | PUNTAS DE ATORNILLADO POZIDRIV

TORSION | INSERTI PER VITI POZIDRIV

Torsion bit : ideal for screwdriving in metal & hard materials | Torsion zone.

Punta de Torsión: ideal para el atornillado en metal y materiales duros | Efecto Torsión.

L'Inserto Torsion: ideale per l'avvitatura in materiali metallici e materiali duri | Effetto Torsion.

For Pozidriv screws
Para tornillos Pozidriv
Per viti con impronta Pozidriv

=> ØA
=> ØA
=> ØA

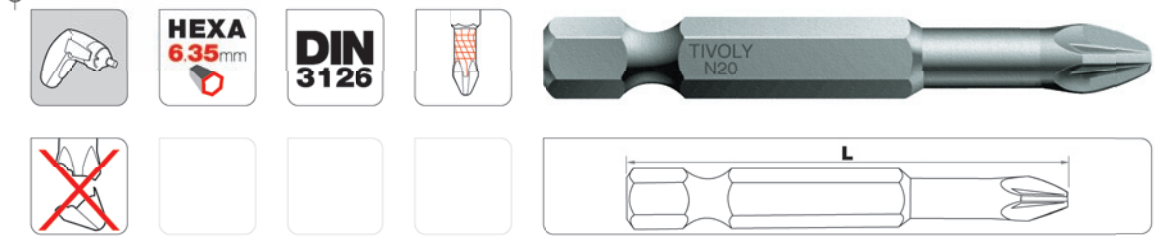
1152022	EAN	N	L	Ø A	QTY	PCB
11520220001	3221910879785	N1-2-3	25	2,5-3 / 3,5-5 / 5,5-7	3	1
11520220100	3221910866990	N1	25	2,5-3	2	6
11520220200	3221910867003	N2	25	3,5-5	2	6
11520220300	3221910867010	N3	25	5,5-7	2	6

1152202	EAN	N	L	Ø A	QTY	PCB
11522020007	3221910867461	N1	25	2,5-3	10	1
11522020003	3221910867430	N2	25	3,5-5	10	1
11522020004	3221910867447	N3	25	5,5-7	25	1
11522020011	3221910867485	N3	25	5,5-7	10	1

TORSION | SCREWDRIVER BITS FOR POZIDRIV SCREWS

TORSIÓN | PUNTAS DE ATORNILLADO POZIDRIV

TORSION | INSERTI PER VITI POZIDRIV



Torsion bit : ideal for screwdriving in metal & hard materials | Torsion zone.

Punta de Torsión: ideal para el atornillado en metal y materiales duros | Efecto Torsión.

L'Inserto Torsion: ideale per l'avvitatura in materiali metallici e materiali duri | Effetto Torsion.

For Pozidriv screws
Para tornillos Pozidriv
Per viti con impronta Pozidriv

=> ØA
=> ØA
=> ØA

1152072	EAN	N	L	Ø A	QTY	PCB
11520720100	3221910867263	N1	50	2,5-3	1	6
11520720200	3221910867270	N2	50	3,5-5	1	6
11520720300	3221910867287	N3	50	5,5-7	1	6

TORSION | SCREWDRIVER BITS FOR PHILLIPS SCREWS

TORSIÓN | PUNTAS DE ATORNILLADO PHILIPS

TORSION | INSERTI PER VITI PHILIPS

Torsion bit : ideal for screwdriving in metal & hard materials | Torsion zone.

Punta de Torsión: ideal para el atornillado en metal y materiales duros | Efecto Torsión.

L'Inserto Torsion: ideale per l'avvitatura in materiali metallici e materiali duri | Effetto Torsion.

For Philips screws
Para tornillos Philips
Per viti con impronta Philips

=> ØA
=> ØA
=> ØA

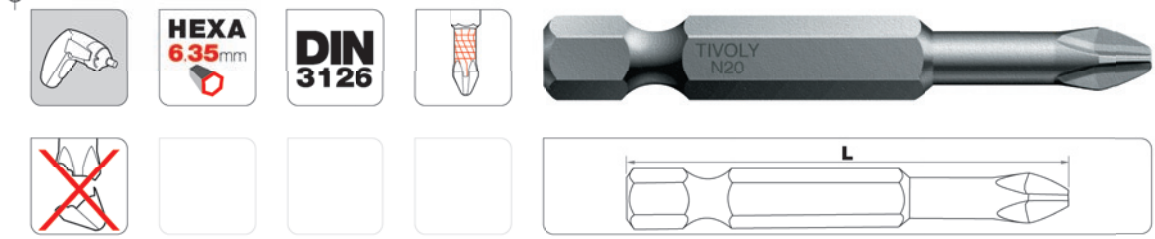
1152032	EAN	N	L	Ø A	QTY	PCB
11520320001	3221910879792	N1-2-3	25	2,5-3 / 3,5-5 / 5,5-7	3	1
11520320100	3221910867058	N1	25	2,5-3	2	6
11520320200	3221910867065	N2	25	3,5-5	2	6
11520320300	3221910867072	N3	25	5,5-7	2	6

1152202	EAN	N	L	Ø A	QTY	PCB
11522020005	3221910867454	N1	25	2,5-3	10	1
11522020001	3221910867416	N2	25	3,5-5	10	1
11522020002	3221910867423	N2	25	3,5-5	25	1
11522020009	3221910867478	N3	25	5,5-7	10	1

TORSION | SCREWDRIVER BITS FOR PHILLIPS SCREWS

TORSIÓN | PUNTAS DE ATORNILLADO PHILIPS

TORSION | INSERTI PER VITI PHILIPS



Torsion bit : ideal for screwdriving in metal & hard materials | Torsion zone.

Punta de Torsión: ideal para el atornillado en metal y materiales duros | Efecto Torsión.

L'Inserto Torsion: ideale per l'avvitatura in materiali metallici e materiali duri | Effetto Torsion.

For Philips screws
Para tornillos Philips
Per viti con impronta Philips

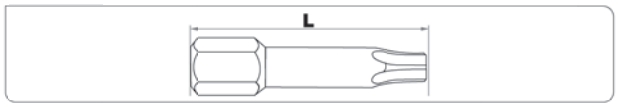
=> ØA
=> ØA
=> ØA

1152082	EAN	N	L	Ø A	QTY	PCB
11520820100	3221910867324	N1	50	2,5-3	1	6
11520820200	3221910867331	N2	50	3,5-5	1	6
11520820300	3221910867348	N3	50	5,5-7	1	6

TORSION | SCREWDRIVER BITS FOR TORX SCREWS

TORSIÓN | PUNTAS DE ATORNILLADO TORX

TORSION | INSERTI PER VITI TORX



Torsion bit : ideal for screwdriving in metal & hard materials | Torsion zone.

Punta de Torsión: ideal para el atornillado en metal y materiales duros | Efecto Torsión.

L'Inserto Torsion: ideale per l'avvitatura in materiali metallici e materiali duri | Effetto Torsion.

For Torx screws
Para tornillos Torx
Per viti con impronta Torx

=> ØA
=> ØA
=> ØA

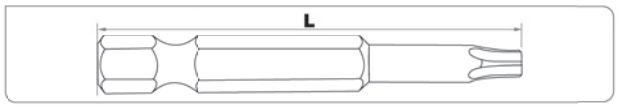
1152052	EAN	N	L	Ø A	QTY	PCB
11520520001	3221910867157	N20-25-30	25	4-4,2 / 5-5,5 / 6-6,3	3	1
11520521000	3221910867164	N10	25	3-3,5	1	6
11520521500	3221910867171	N15	25	3,5-3,9	1	6
11520522000	3221910867188	N20	25	4-4,2	1	6
11520522500	3221910867195	N25	25	5-5,5	1	6
11520522700	3221910867201	N27	25	4,3-5	1	6
11520523000	3221910867218	N30	25	6-6,3	1	6
11520524000	3221910867225	N40	25	8	1	6

1152202	EAN	N	L	Ø A	QTY	PCB
11522020012	3221910879754	N20	25	4-4,2	10	1
11522020013	3221910879761	N25	25	5-5,5	10	1
11522020014	3221910879778	N30	25	6-6,3	10	1

TORSION | SCREWDRIVER BITS FOR TORX SCREWS

TORSIÓN | PUNTAS DE ATORNILLADO TORX

TORSION | INSERTI PER VITI TORX



Torsion bit : ideal for screwdriving in metal & hard materials | Torsion zone.

Punta de Torsión: ideal para el atornillado en metal y materiales duros | Efecto Torsión.

L'Inserto Torsion: ideale per l'avvitatura in materiali metallici e materiali duri | Effetto Torsion.

For Torx screws
Para tornillos Torx
Per viti con impronta Torx

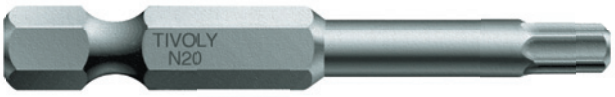
=> ØA
=> ØA
=> ØA

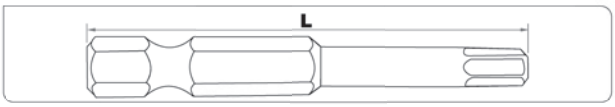
1152042	EAN	N	L	Ø A	QTY	PCB
11520421000	3221910868390	N10	50	3-3,5	1	6
11520421500	3221910868406	N10	50	3-3,5	1	6
11520422000	3221910868413	N10	50	3-3,5	1	6
11520422500	3221910868420	N10	50	3-3,5	1	6
11520423000	3221910868437	N10	50	3-3,5	1	6
11520424000	3221910868444	N10	50	3-3,5	1	6

HEXA PLUS | SCREWDRIVER BITS FOR ALLEN SCREWS

HEXA PLUS | PUNTAS DE ATORNILLADO 6 CARAS

HEXA PLUS | INSERTI PER VITI ESAGONALI





Hex-Plus bit : reduces screw head damage due to excellent contact with the head fitment.

Punta Hex-Plus: reduce el efecto de corte gracias a su gran superficie de contacto en el perfil de la punta.

L'Inserto Hex-Plus: riduce l'effetto grazie alla dentellatura sulla sua ampia superficie nel profilo della vite.

For Hexagonal screws
Para tornillos hexagonal
Per viti esagonali

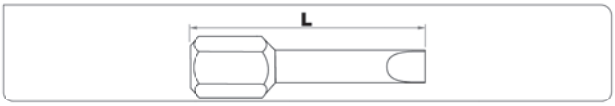
=> ØA
=> ØA
=> ØA

1152092	EAN	Ø	L	Ø A	QTY	PCB
11520920300	3221910867386	3	50	5	1	6
11520920400	3221910867393	4	50	6	1	6
11520920600	3221910867409	6	50	10	1	6

STANDARD | SCREWDRIVER BITS FOR SLOTTED SCREWS

ESTÁNDAR | PUNTAS DE ATORNILLADO RANURA

STANDARD | INSERTI PER VITI TAGLIO



Classic screwdriver bit: for light usage.

Punta clásica: para uso ocasional.

Inserto classico: per un uso occasionale.

For slot screws
Para tornillos hendidura
Perviti con impronta taglio

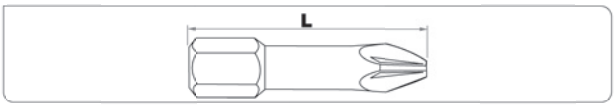
=> ØA
=> ØA
=> ØA

1150012	EAN	Ø	L	Ø A	QTY	PCB
11500120300	3221910038106	3	25	2-2,2	2	6
11500120400	3221910038052	4	25	2	2	6
11500120450	3221910115463	4.5	25	2,2-2,5	2	6
11500120550	3221910038069	5.5	25	2,9-3,5	2	6
11500120600	3221910038076	6	25	4	2	6

STANDARD | SCREWDRIVER BITS FOR POZIDRIV SCREWS

ESTÁNDAR | PUNTAS DE ATORNILLADO POZIDRIV

STANDARD | INSERTI PER VITI POZIDRIV



Classic screwdriver bit: for light usage.

Punta clásica: para uso ocasional.

Inserto classico: per un uso occasionale.

For Pozidriv screws
Para tornillos Pozidriv
Per viti con impronta Pozidriv

=> ØA
=> ØA
=> ØA

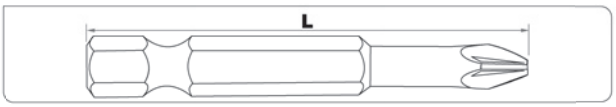
1150022	EAN	N	L	Ø A	QTY	PCB
11500220100	3221910038144	N1	25	2,5-3	2	6
11500220200	3221910038151	N2	25	3,5-5	2	6
11500220300	3221910038168	N3	25	5,5-7	2	6

1150202	EAN	N	L	Ø A	QTY	PCB
11502020007	3221910556471	N1	25	2,5-3	10	1
11502020003	3221910213039	N2	25	3,5-5	10	1
11502020004	3221910213046	N2	25	3,5-5	25	1
11502020011	3221910556495	N3	25	5,5-7	10	1

STANDARD | SCREWDRIVER BITS FOR POZIDRIV SCREWS

ESTÁNDAR | PUNTAS DE ATORNILLADO POZIDRIV

STANDARD | INSERTI PER VITI POZIDRIV



Classic screwdriver bit: for light usage.

Punta clásica: para uso ocasional.

Inserto classico: per un uso occasionale.

For Pozidriv screws
Para tornillos Pozidriv
Per viti con impronta Pozidriv

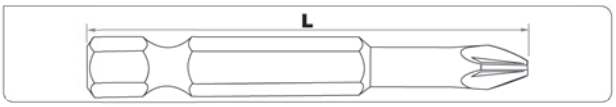
=> ØA
=> ØA
=> ØA

1150072	EAN	N	L	Ø A	QTY	PCB
11500720100	3221910038571	N1	50	2,5-3	1	6
11500720200	3221910038588	N2	50	3,5-5	1	6
11500720300	3221910038595	N3	50	5,5-7	1	6

STANDARD | SCREWDRIVER BITS FOR POZIDRIV SCREWS

ESTÁNDAR | PUNTAS DE ATORNILLADO POZIDRIV

STANDARD | INSERTI PER VITI POZIDRIV



Classic screwdriver bit: for light usage.

Punta clásica: para uso ocasional.

Inserto classico: per un uso occasionale.

For Pozidriv screws
Para tornillos Pozidriv
Per viti con impronta Pozidriv

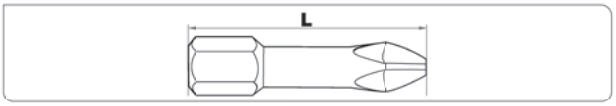
=> ØA
=> ØA
=> ØA

1151072	EAN	N	L	Ø A	QTY	PCB
11510720001	3221910843151	N1-2	120	2,5-3 / 3,5-5	2	3

STANDARD | SCREWDRIVER BITS FOR PHILLIPS SCREWS

ESTÁNDAR | PUNTAS DE ATORNILLADO PHILIPS

STANDARD | INSERTI PER VITI PHILIPS



Classic screwdriver bit: for light usage.

Punta clásica: para uso ocasional.

Inserto classico: per un uso occasionale.

For Philips screws
Para tornillos Philips
Per viti con impronta Philips

=> ØA
=> ØA
=> ØA

1150032	EAN	N	L	Ø A	QTY	PCB
11500320100	3221910038205	N1	25	2,5-3	2	6
11500320200	3221910038212	N2	25	3,5-5	2	6
11500320300	3221910038229	N3	25	5,5-7	2	6

1150202	EAN	N	L	Ø A	QTY	PCB
11502020005	3221910556464	N1	25	2,5-3	10	1
11502020001	3221910213015	N2	25	3,5-5	10	1
11502020002	3221910213022	N2	25	3,5-5	25	1
11502020009	3221910556488	N3	25	5,5-7	10	1

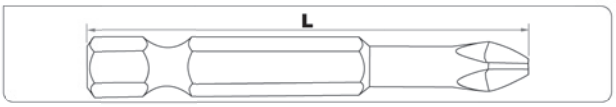
STANDARD | SCREWDRIVER BITS FOR PHILLIPS SCREWS

ESTÁNDAR | PUNTAS DE ATORNILLADO PHILIPS

STANDARD | INSERTI PER VITI PHILIPS

HEXA 6.35mm

DIN 3126



Classic screwdriver bit: for light usage.

Punta clásica: para uso ocasional.

Inserto classico: per un uso occasionale.

For Philips screws
Para tornillos Philips
Per viti con impronta Philips

=> ØA
=> ØA
=> ØA

1150082	EAN	N	L	Ø A	QTY	PCB
11500820100	3221910038632	N1	50	2,5-3	1	6
11500820200	3221910038649	N2	50	3,5-5	1	6
11500820300	3221910038656	N3	50	5,5-7	1	6

STANDARD | SCREWDRIVER BITS FOR PHILLIPS SCREWS

ESTÁNDAR | PUNTAS DE ATORNILLADO PHILIPS

STANDARD | INSERTI PER VITI PHILIPS

HEXA 6.35mm

DIN 3126

Classic screwdriver bit: for light usage.

Punta clásica: para uso ocasional.

Inserto classico: per un uso occasionale.

For Philips screws
Para tornillos Philips
Per viti con impronta Philips

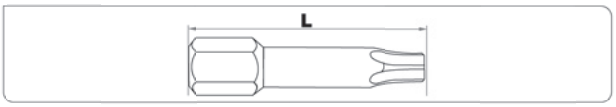
=> ØA
=> ØA
=> ØA

1151082	EAN	N	L	Ø A	QTY	PCB
11510820001	3221910843168	N1-2	120	2,5-3 / 3,5-5	2	3

STANDARD | SCREWDRIVER BITS FOR TORX SCREWS

ESTÁNDAR | PUNTAS DE ATORNILLADO TORX

STANDARD | INSERTI PER VITI TORX



Classic screwdriver bit: for light usage.

Punta clásica: para uso ocasional.

Inserto classico: per un uso occasionale.

For Torx screws
Para tornillos Torx
Per viti con impronta Torx

=> ØA
=> ØA
=> ØA

1150052	EAN	N	L	Ø A	QTY	PCB
11500521000	3221910038410	N10	25	3-3,5	1	6
11500521500	3221910038427	N15	25	3,5-3,9	1	6
11500522000	3221910038434	N20	25	4-4,2	1	6
11500522500	3221910038441	N25	25	5-5,5	1	6
11500522700	3221910114053	N27	25	4,3-5	1	6
11500523000	3221910038458	N30	25	6-6,3	1	6
11500524000	3221910038465	N40	25	8	1	6

STANDARD | SCREWDRIVER BITS FOR TORX SCREWS

ESTÁNDAR | PUNTAS DE ATORNILLADO TORX

STANDARD | INSERTI PER VITI TORX

Classic screwdriver bit: for light usage.

Punta clásica: para uso ocasional.

Inserto classico: per un uso occasionale.

For Torx screws
Para tornillos Torx
Per viti con impronta Torx

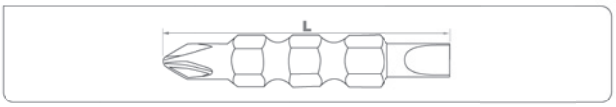
=> ØA
=> ØA
=> ØA

1151052	EAN	N	L	Ø A	QTY	PCB
11510520001	3221910843175	N25-30	120	5-5,5 / 6-6,3	2	3

STANDARD | SCREWDRIVER BITS FOR SLOTTED /PHILLIPS SCREWS

ESTÁNDAR REVERSIBLE | PUNTAS DE ATORNILLADO RANURA-PHILIPS

STANDARD REVERSIBLE | INSERTI PER VITI TAGLIO-PHILIPS



Classic screwdriver bit: for light usage.

Punta clásica: para uso ocasional.

Inserto classico: per un uso occasionale.

For slot screws
Para tornillos ranura
Perviti con impronta taglio

For Philips screws
Para tornillos Philips
Per viti con impronta Philips

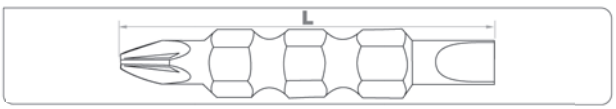
=> ØA
=> ØA
=> ØA

1150102	EAN	N	L	Ø A	QTY	PCB
115010204500100	3221910114220	Ø4.5-N1	45	2,2-2,5 / 2,5-3	1	6
115010205500200	3221910038762	Ø5.5-N2	45	2,9-3,5 / 3,5-5	1	6
115010206500300	3221910038779	Ø6.5-N3	45	5 / 5,5-7	1	6

STANDARD | SCREWDRIVER BITS FOR SLOTTED POZIDRIV SCREWS

ESTÁNDAR REVERSIBLE | PUNTAS DE ATORNILLADO RANURA-POZI-DRIV

STANDARD REVERSIBLE | INSERTI PER VITI TAGLIO-POZIDRIV



Classic screwdriver bit: for light usage.

Punta clásica: para uso ocasional.

Inserto classico: per un uso occasionale.

For slot screws
Para tornillos ranura
Perviti con impronta taglio

For Pozidriv screws
Para tornillos Pozidriv
Per viti con impronta Pozidriv

=> ØA
=> ØA
=> ØA

1150112	EAN	N	L	Ø A	QTY	PCB
115011204500100	3221910114275	Ø4.5-N1	45	2,2-2,5 / 2,5-3	1	6
115011205500200	3221910038823	Ø5.5-N2	45	2,9-3,5 / 3,5-5	1	6
115011206500300	3221910038847	Ø6.5-N3	45	5 / 5,5-7	1	6

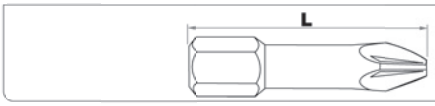
SECURITY BIT | SCREWDRIVER BIT FORTORX TAMPER

PUNTA SEGURIDAD | PUNTAS DE SEGURIDAD TORX TAMPER

VITI DI SICUREZZA | INSERTI PER VITI TORX TAMPER

HEXA 6.35mm

DIN 3126



Screwdriver bit for security screws - for screwdriving tasks with rare/specific bit fitments.

Punta para tornillo de seguridad: responde a las necesidades de atornillado para todo tipo de ranuras.

Inserto Per viti di sicurezza: risponde ai bisogni di avvitare inserti rari e specifici.

For Torx Tamper screws

Para tornillos Torx Tamper

Per viti Torx Tamper

=> ØA

=> ØA

=> ØA

1150172	EAN	N	L	Ø A	QTY	PCB
11501720001	3221910899707	N20-25-30	25	4-4,2 / 5-5,5 / 6-6,3	3	1
11501721000	3221910114961	N10	25	3-3,5	1	3
11501721500	3221910114978	N15	25	3,5-3,9	1	3
11501722000	3221910114985	N20	25	4-4,2	1	3
11501722500	3221910114992	N25	25	5-5,5	1	3
11501723000	3221910115012	N30	25	6-6,3	1	3
11501724000	3221910115029	N40	25	8	1	3

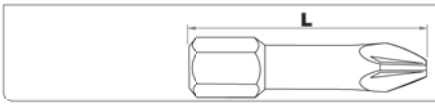
SECURITY BIT | S/DRIVER BIT FOR DOUBLE POINTED SCREWS

PUNTA SEGURIDAD | PUNTAS DE ATORNILLADO PARA TORNILLO DOBLE PUNTA.

VITI SICUREZZA | INSERTI PER VITI DOPPIA PUNTA

HEXA 6.35mm

DIN 3126



Screwdriver bit for security screws - for screwdriving tasks with rare/specific bit fitments.

Punta para tornillo de seguridad: responde a las necesidades de atornillado para todo tipo de ranuras.

Inserto per viti di sicurezza: risponde ai bisogni di avvitare inserti rari e specifici.

For spanner screws

Para tornillos Spanner

Per viti a 2 fori

=> ØA

=> ØA

=> ØA

1153012	EAN	N	L	Ø A	QTY	PCB
11530120400	3221910866723	N4	25	1,52	1	3
11530120600	3221910866730	N6	25	2,41	1	3
11530120800	3221910866747	N8	25	2,79	1	3
11530121000	3221910866754	N10	25	3,3	1	3

SECURITY BIT | S/DRIVER BIT FOR TORQSET SCREWS

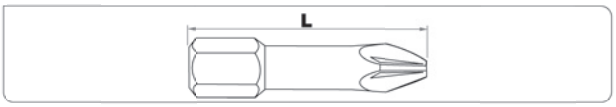
PUNTA SEGURIDAD | PUNTAS DE ATORNILLADO PARA TORNILLO TORQ-SET

VITI SICUREZZA | INSERTI PER VITI TORQSET

#10

HEXA 6.35mm

DIN 3126



Screwdriver bit for security screws - for screwdriving tasks with rare/specific bit fitments.

Punta para tornillo de seguridad: responde a las necesidades de atornillado para todo tipo de ranuras.

Inserto per viti di sicurezza: risponde ai bisogni di avvitare inserti rari e specifici.

For Torq set screws
Para tornillos Torq Set
Per viti Torq set

=> ØA
=> ØA
=> ØA

1153052	EAN	Ø	L	Ø A	QTY	PCB
11530520600	3221910866860	6	25	0,71	1	3
11530520800	3221910866877	8	25	0,84	1	3
11530521000	3221910866884	10	25	0,96	1	3

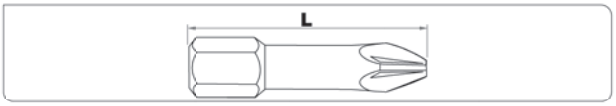
SECURITY BIT | S/DRIVER BIT FOR ALLEN SCREWS

PUNTA SEGURIDAD | PUNTAS DE ATORNILLADO PARA TORNILLO HEXAGONAL

VITI SICUREZZA | INSERTI PER VITI ESAGONALE CON FORO

HEXA 6.35mm

DIN 3126



Screwdriver bit for security screws - for screwdriving tasks with rare/specific bit fitments.

Punta para tornillo de seguridad: responde a las necesidades de atornillado para todo tipo de ranuras.

Inserto per viti di sicurezza: risponde ai bisogni di avvitare inserti rari e specifici.

For Pin Hexagonal screws
Para tornillos hexagonal
Per viti esagonali

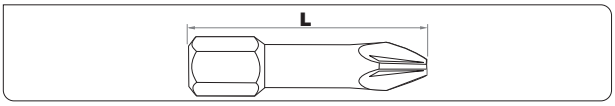
=> ØA
=> ØA
=> ØA

1153042	EAN	Ø	L	Ø A	QTY	PCB
11530420200	3221910866808	2	25	3	1	3
11530420250	3221910866815	2.5	25	4	1	3
11530420300	3221910866822	3	25	5	1	3
11530420400	3221910866839	4	25	6	1	3
11530420500	3221910866846	5	25	8	1	3
11530420600	3221910866853	6	25	10	1	3

SECURITY BIT | S/DRIVER BIT FOR TRIWING SCREWS

PUNTA SEGURIDAD | PUNTAS DE ATORNILLADO TRIWING

VITI SICUREZZA | INSERTI PER VITI TRI-WING



Screwdriver bit for security screws - for screwdriving tasks with rare/specific bit fitments.

Punta para tornillo de seguridad: responde a las necesidades de atornillado para todo tipo de ranuras.

Inserto per viti di sicurezza: risponde ai bisogni di avvitare inserti rari e specifici.

For Tri Wing screws
Para tornillos Tri wing
Per viti Tri wing

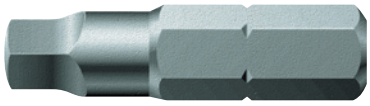
=> ØA
=> ØA
=> ØA

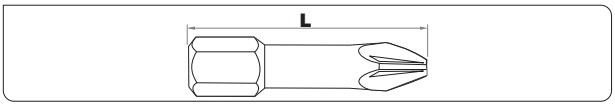
1153032	EAN	N	L	Ø A	QTY	PCB
11530320100	3221910866761	1	25	0,57	1	3
11530320200	3221910866778	2	25	0,75	1	3
11530320300	3221910866785	3	25	0,95	1	3
11530320400	3221910866792	4	25	1,08	1	3

SECURITY BIT | S/DRIVER BIT FOR SQUARE SCREWS

PUNTA SEGURIDAD | PUNTAS DE ATORNILLADO PARA TORNILLO CUADRADO

VITI SICUREZZA | INSERTI PER VITI QUADRE





Screwdriver bit for security screws - for screwdriving tasks with rare/specific bit fitments.

Punta para tornillo de seguridad: responde a las necesidades de atornillado para todo tipo de ranuras.

Inserto per viti di sicurezza: risponde ai bisogni di avvitare inserti rari e specifici.

For square hole head screws
Para tornillos de cuadrado interior
Per viti ad incavo quadro

=> ØA
=> ØA
=> ØA

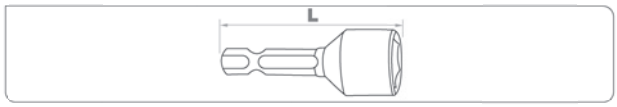
=> ØA1
=> ØA1
=> ØA1

1153062	EAN	N	L	Ø A	Ø A1	QTY	PCB
11530620100	3221910866891	1	25	2,5	2,31	1	3
11530620200	3221910866907	2	25	3,1	2,85	1	3
11530620300	3221910866914	3	25	3,7	3,37	1	3

IMPAKT | MAGNETIC NUT DRIVERS

IMPAKT | LLAVE DE VASO MAGNÉTICA

IMPAKT | BUSSOLA DI SERRAGE MAGNETICA



Socket for Impact wrench - for extreme socket driving applications.

Llaves de vaso: Uso sobre taladro a percusión para responder a las dificultades extremas de atornillado.

BUSSOLA: uso su avvitatore a impulsi, per rispondere alle esigenze di avvitatura estrema.

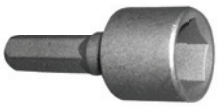
Sockets
Casquillos
Portapunte

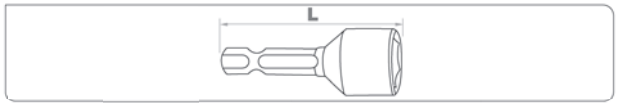
1152192	EAN	Ø	L	QTY	PCB
11521920600	3221910899486	6	45	1	1
11521920800	3221910899493	8	45	1	1
11521921000	3221910899509	10	45	1	1
11521921100	3221910899516	11	45	1	1
11521921200	3221910899523	12	45	1	1
11521921300	3221910899530	13	45	1	1

CLASSIC | MAGNETIC NUT DRIVERS

CLASSIC | LLAVE DE VASO MAGNÉTICA

CLASSIC | BUSSOLA DI SERRAGE MAGNETICA





Nut driver for conventional drill/driver.

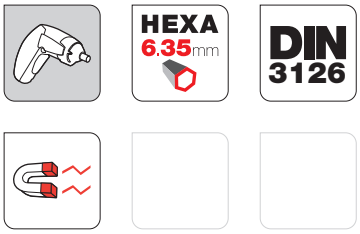
Llave de vaso: uso sobre atornillador tradicional.

Bussole: uso su avvitatore tradizionale.

Sockets
Casquillos
Portapunte

1150192	EAN	Ø	L	QTY	PCB
11501920400	3221910115272	4	38	1	3
11501920500	3221910115289	5	38	1	3
11501920600	3221910115296	6	38	1	3
11501920700	3221910115302	7	38	1	3
11501920800	3221910115319	8	38	1	3
11501920900	3221910115326	9	38	1	3
11501921000	3221910115333	10	38	1	3
11501921100	3221910115340	11	38	1	3
11501921200	3221910115357	12	38	1	3
11501921300	3221910115364	13	38	1	3

SET | 6 NUT DRIVERS



Nut driver for conventional drill/driver.

ASS | 6 LLAVES DE VASO

Llave de vaso: uso sobre atornillador tradicional.

ASS | 6 BUSSOLE

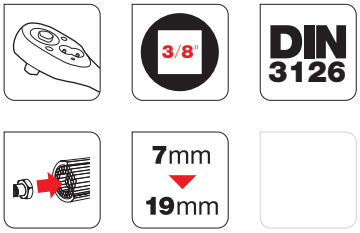
11501920001

3221910899462

QTY	PCB	€
6	1	

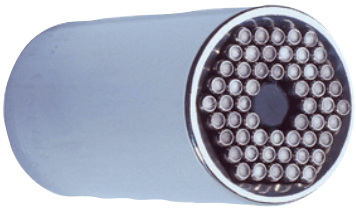
Bussole: uso su avvitatore tradizionale.

UNIVERSAL SOCKET



Universal socket - the perfect tool to replace conventional spanners/pliers/ sockets.

GATOR GRIP



el casquillo universal, la herramienta indispensable para reemplazar llaves, pinzas y casquillos tradicionales.

GATOR GRIP

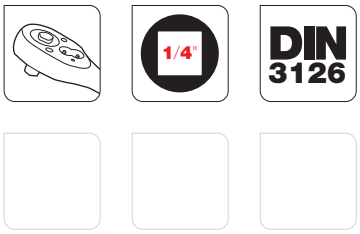
11501420002

3221910820985

QTY	PCB	€
3	6	

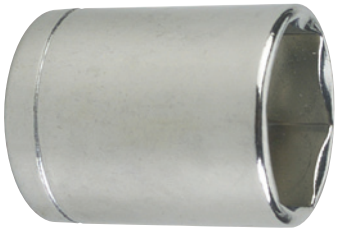
La bussola universale, l'utensile indispensabile per sostituire chiavi pinze et bussole tradizionali.

4 SOCKETS & 1 BITHOLDER



Assortment of 4 x 1/4" sockets with holder - for use with conventional drill/drivers.

4 LLAVES DE VASO + 1 PORTA-VASOS



Un surtido de 4 llaves de vaso con el porta-vasos para utilización en el atornillado tradicional.

4 BUSSOLE + 1 PORTA BUSSOLE

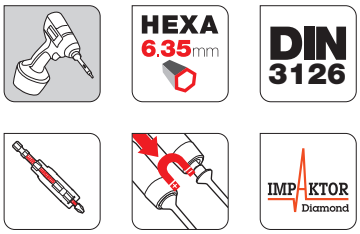
11501420001

3221910207830

QTY	PCB	€
5	1	

Assortimento di 4 bussole con porta inserti 1/4" per utilizzazione su avvitatore.

IMPAKTOR | BIT HOLDER



Bit holder with Double Torsion zone combined with use of Impaktor bits = 'Tri Torsion' system.

IMPAKTOR | PORTAPUNTAS

La combinación de la doble zona de torsión situada en el portapuntas y que se ajusta a la punta Impaktor constituye el sistema "Tri-Torsión".

IMPAKTOR | PORTA INSERTI IMPULSI

11521320001

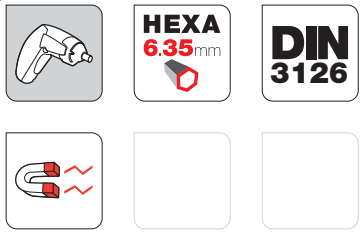
3221910899660

QTY	PCB	€
1	1	

La combinazione di due zone di torsione situate nel porta inserto e delle celle che ecqiupaggaino l'inserto Impaktor lo rendono un sistema "Tri-Torsion".

#10

QUICK CHANGE BIT HOLDER



Rapidaptor technology enables very fast one handed bit changeover.

RAPIDAPTOR | PORTAPUNTAS

La tecnología Rapidaptor ofrece las funciones « rapid-in », « rapid-out », « rapid-spin », « chuck-all » y « single-hand ».

RAPIDAPTOR | PORTA INSERTI IMPULSI

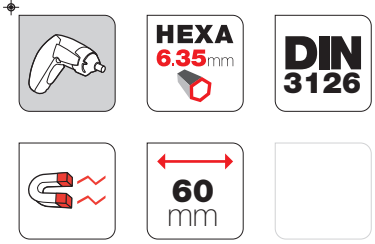
11521360001

3221910896423

QTY	PCB	€
1	3	

La tecnologia Rapidaptor offre le fonzioni « rapid-in », « rapid-out », « rapid-spin », « chuck-all » et « single-hand ».

MAGNETIC BIT HOLDER



Classic screwdriver bit: for light usage.

PORTAPUNTAS MAGNÉTICO

Portapuntas clásico.

PORTA INSERTI MAGNETICA

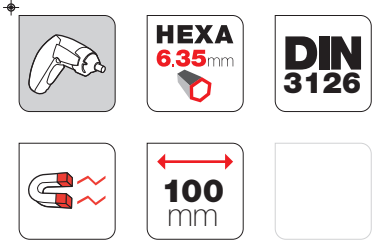
11501320001

3221910038878

QTY	PCB	€
1	3	

Porta Inserto classico.

MAGNETIC BIT HOLDER



Classic screwdriver bit: for light usage.

PORTAPUNTAS MAGNÉTICO

Portapuntas clásico.

PORTA INSERTI MAGNETICA

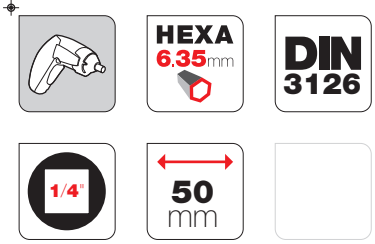
11501320006

3221910556433

QTY	PCB	€
1	3	

Porta Inserto classico.

SOCKET HOLDER



1/4" Quick fit key adapter for use with nut drivers.

PORTAPUNTAS PARA LLAVE DE VASO

Adaptador 1/4" para utilizar las llaves de vaso en el atornillador.

PORTA BUSSOLE

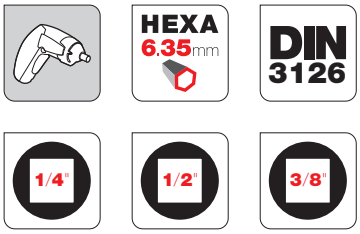
11501320002

3221910038885

QTY	PCB	€
1	3	

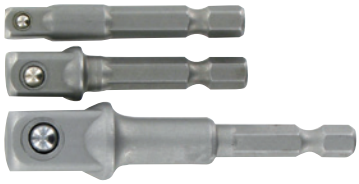
Adattatore 1/4" per utilisazzare le bussole su un avvitatore.

SET OF 3 SOCKET HOLDERS



1/4"+1/2"+3/8" adapter for use with nut drivers.

LOT 3 PORTA-PUNTAS PARA LLAVE DE VASO



Adaptador 1/4" + 1/2" + 3/8" para utilización de llaves de vaso sobre el atornillador

SET 3 BUSSOLE

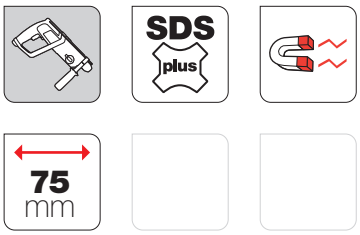
11501320003

3221910038892

QTY	PCB	€
6	1	

Adattatore 1/4" + 1/2" + 3/8" per utilizzare le bussole su un avvitatore.

SDS BIT HOLDER



Magnetic SDS bit holder for screwdriving with hammer drills - rotary action only.

PORTAPUNTAS SDS

Portapuntas SDS magnético para utilizar sobre martillo perforador en función rotación únicamente.

PORTE EMBOUT SDS

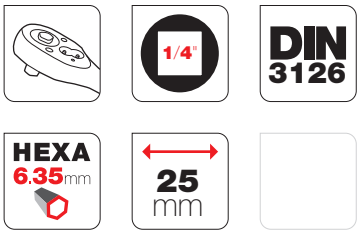
11501320005

3221910207847

QTY	PCB	€
1	3	

Porta Inserto SDS magnetico per utilizzo su tassellatore senza percussione.

1/4" KEY ADAPTOR



1/4" Quick fit key adapter for use with screwdriver bits.

ADAPTADOR PARA LLAVE 1/4"

Adaptador para llave de carraca 1/4" para utilización de puntas de atornillado.

ADATTATORE PER CHIAVE 1/4"

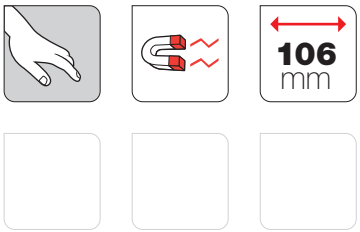
11501320007

3221910556440

QTY	PCB	€
1	3	

Adattatore a chiave a cricchetto da 1/4" per utilizzo di inserti.

ANGLED SCREWDRIVER BIT HANDLE



Double angled handle enable screwdriving in areas with difficult/awkward access.

PORTAPUNTAS DOBLE ENTRADA

Mango de atornillador angular 2 entradas para su uso en espacios de difícil acceso.

MANICO CACCIAVITE DOPPIO INGRESSO

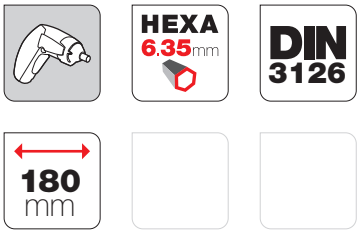
11501320008

3221910556457

QTY	PCB	€
1	3	

Manico doppio ingresso permette un utilizzo nei luoghi di difficile accesso.

FLEXIBLE BIT HOLDER



Flexible bit holder for screwdriving in areas with difficult/awkward access.

PORTAPUNTAS FLEXIBLE

Portapuntas flexible que permite atornillar en lugares de difícil acceso.

PORTA INSERTI FLESSIBILE

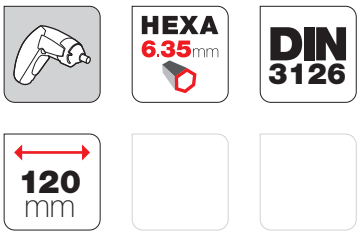
11501320009

3221910828134

QTY	PCB	€
1	3	

Porta Inserto flessibile permette di avvitare nei luoghi di difficile accesso.

SCREW GUIDE



Screwdriver bit holder with tubular screw guide.

PORTAPUNTAS GUÍA

Porta puntas con tubo que permite guiar y sujetas la punta.

GUIDA PER VITI

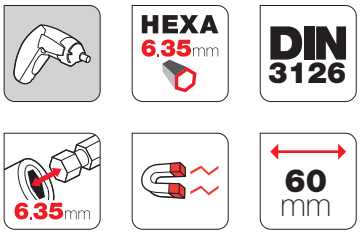
11501320012

3221910836115

QTY	PCB	€
1	1	

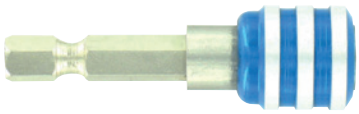
Porta Inserto con una prolunga a tuboche permette di guidare la vite e tenerla.

QUICK CHANGE BIT HOLDER



Quick change screwdriver bit holder.

PORTAPUNTAS "QUICK CHANGE"



Portapuntas con cambio rápido de herramienta.

PORTA INSERTI QUICK CHANGE

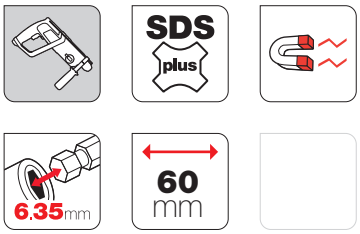
11501320013

3221910835460

QTY	PCB	€
1	1	

Porta Inserti a cambio rapido.

SDS QUICK CHANGE BIT HOLDER



Magnetic SDS bit holder for screwdriving with hammer drills - rotary action only.

PORTAPUNTAS "QUICK CHANGE" SDS

Portapuntas SDS magnético para utilizar sobre martillo perforador en función rotación únicamente.

PORTA INSERTI Q.CHANGE SDS

11501320004

3221910900373

QTY	PCB	€
1	1	

Porta Inserto SDS magnetico per utilizzo su tassellatore senza percussione.

SPECIAL PLASTERBOARD

Specially designed for screwdriving in plasterboard | clutch system automatically regulates driving action.

ESPECIAL ESCAYOLA

Especialmente concebido para el atornillado en placas de escayola / sistema de desembrague automático al fin del atornillado.

SPECIALE CARTONGESSO

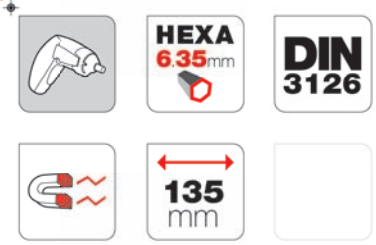
11501320016

3221910847845

QTY	PCB	€
1	1	

Appositamente progettato per avvitare cartongesso | frizione automatico alla fine di avvitamento.

ANGLE TRANSMISSION



Reversible bit holder with 360° adjustable handle for screwdriving in areas with difficult/awkward access.

PORTAPUNTAS ANGULAR

Portapuntas angular con mango ajustable a 360° para atornillar en sitios de difícil acceso.

RINVIO AD ANGOLO

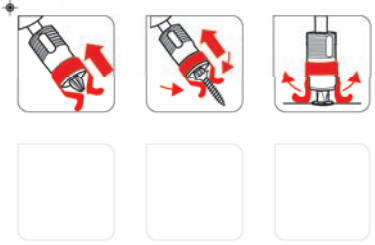
11501320014

3221910836122

QTY	PCB	€
1	1	

Impugnatura ad angolazione regolabile a 360 ° per avvitare in punti difficilmente accessibili.

SCREW GRIPPER



Ensures better bit retention in the screw head - also for extra long bits and spanner heads.

AGRIPP VIS

su función es sostener la punta en el atornillador, puntas largas y llaves de macho acodadas.

CATTURA VITI

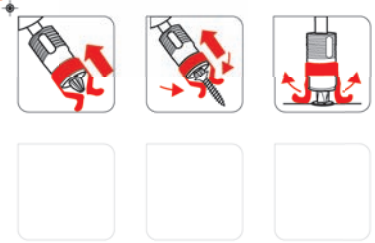
11521120001

3221910897208

QTY	PCB	€
1	6	

Cattura viti ha come funzione di trattenere le viti sulla punta del cacciavite.

SCREW GRIPPER



Ensures better bit retention in the screw head - also for extra long bits and spanner heads.

AGRIPP VIS

su función es sostener la punta en el atornillador, puntas largas y llaves de macho acodadas.

CATTURA VITI

11521120002

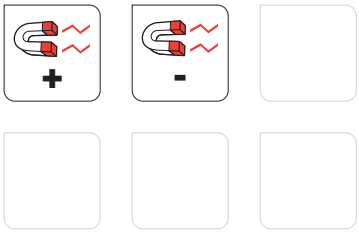
3221910897215

QTY	PCB	€
1	6	

Cattura viti ha come funzione di trattenere le viti sulla punta del cacciavite.

#10

MAGNETISING/DEMAGNETISING BLOCK



Run the tool on the positive face of the block to magnetise the rim of the blade. For demagnetising use a negative face.

IMANTADOR-DESIMANTADOR

Deslizar la herramienta sobre la cara positiva del imantador para magnetizar la pieza. Para desmagnetizar pasar las pieza por el polo negativo.

BLOCCO MAGNETIZZATORE

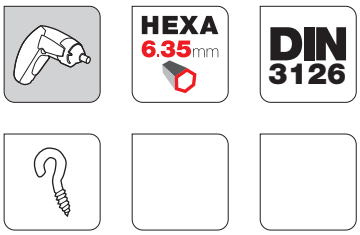
11101830001

3221910881269

QTY	PCB	€
1	6	

Trascinare lo strumento sul lato positivo dell'accessorio per magnetizzare. Per smagnetizzare, passare lungo il lato negativo.

Y SHAPED SCREWDRIVING ADAPTOR



For driving in hooks easily. No need for pliers or hand held screwdriver.

Y ADAPTADOR

Par fijar sus alcayatas sin dificultad. Sin necesidad de pinza, ni destornillador para hacer palanca.

Y ADAPTATOR

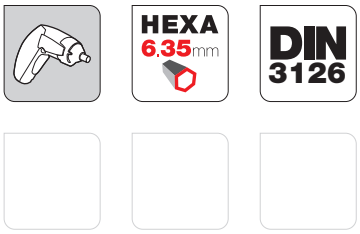
11501820001

3221910900359

QTY	PCB	€
2	1	

Per fissare i vostri anelli senza difficoltà .Senza nessun bisogno di pinze o cacciaviti per far leva.

DRYWALL POWER BIT



Washer makes contact with plasterboard I avoids excessive screwdriving depth.

DRYWALL POWER BIT

El cuello de anclaje entra en contacto con la placa de escayola al final del atornillado / Evita un atornillado demasiado profundo.

DRYWALL POWER BIT

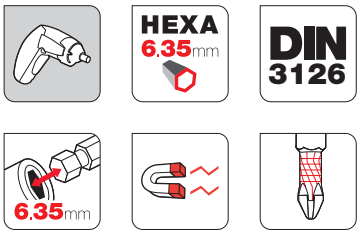
11501820002

3221910900366

QTY	PCB	€
1	1	

La testa viene a contatto con il cartongesso alla fine dell'avvitatura I evitando un avvitatura troppo profonda.

SET I 9 PCS COLOR RING



1 Quick change screwdriver bit holder / Ph 1-2-3 / Pz 1-2-3 / Slotted 4.5-5.5 mm I Color rings I Torsion zone.

SET I 9 PZS

1 Portapuntas con cambio rápido de herramienta / Ph 1-2-3 / Pz 1-2-3 / Ranura 4.5-5.5 mm I Efecto Torsión;

SET I 9 PZ

11501570031

3221912006202

QTY	PCB	€
9	1	

1 Porta Inserti a cambio rapido / Ph 1-2-3 / Pz 1-2-3 / Taglio 4.5-5.5 mm I Effetto Torsion.

SET I 13 PCS COLOR RING

1 Quick change screwdriver bit holder / Ph 1-2-3 / Pz 1-2-3 / Torx 10-15-20-30 / Slotted 4-6 mm I Color rings I Torsion zone.

SET I 13 PZS

1 Pcrtapuntas con cambio rápido de herramienta / Ph 1-2-3 / Pz 1-2-3 / Torx 10-15-20-30 / Ranura 4-6 mm I Efecto Torsón.

SET I 13 PZ

11501570032

3221912006219

QTY	PCB	€
13	1	

1 Porta Inserti a cambio rapido / Ph 1-2-3 / Pz 1-2-3 / Torx 10-15-20-30 / Taglio 4-6 mm I Effetto Torsion.

SET I 15 PCS COLOR RING

1 Quick change screwdriver bit holder / Ph 1-2-3 / Pz 1-2-3 / Torx 10-15-20-25-30 / Slotted 4-5-6 mm I Color rings I Torsion zone.

SET I 15 PZS

1 Portapuntas con cambio rápido de herramienta / Ph 1-2-3 / Pz 1-2-3 / Torx 10-15-20-25-30 / Ranura 4-5-6 mm I Efecto Torsión.

SET I 15 PZ

11501570033

3221912006226

QTY	PCB	€
15	1	

1 Porta Inserti a cambio rapido / Ph 1-2-3 / Pz 1-2-3 / Torx 10-15-20-25-30 / Taglio 4-5-6 mm I Effetto Torsion.

IMPAKTOR DIAMOND BIT I 6 PCS

Torx 20-25 / Ph 2-3 / Pz 2-3 Lg 50 I For impact wrenches.

IMPAKTOR I 6 TORSIÓN DIAMANT

Torx 20-25 / Ph 2-3 / Pz 2-3 Lg 50 I Taladro a percusión.

IMPAKTOR I 6 TORSION DIAMANTATO

11521570013

3221910899684

QTY	PCB	€
6	1	

Torx 20-25 / Ph 2-3 / Pz 2-3 Lg 50 I Avvitatore a impulsi.

IMPAKTOR DIAMOND BIT I 10 PCS

Torx 25-30-40 / Ph 2-3 / Pz 2-3 / Allen screws 4-5 / 1 Impaktor bitholder I For impact wrenches.

IMPAKTOR I 10 PZS TORSIÓN DIAMANT

Torx 25-30-40 / Ph 2-3 / Pz 2-3 / 6 caras 4-5 / 1 Portapuntas Impaktor I Taladro a percusión.

IMPAKTOR I 10 PZ TORSION DIAMANTATO

11521570012

3221910899677

QTY	PCB	€
10	1	

Torx 25-30-40 / Ph 2-3 / Pz 2-3 / Esagon 4-5 / 1 Porta inserti Impaktor I Avvitatore a impulsi.

DIAMANT BI-TORSION BIT I 10 PCS

Torx 20-25-30 / Ph 2-3 / Pz 2-3 / 1 Bitholder RAPIDAPTOR I For large scale driving tasks.

DIAMANT BI-TORSIÓN I 10 PZS

Torx 20-25-30 / Ph 2-3 / Pz 2-3 / 1 Portapuntas rapidaptor I Especialmente para atornillados en gran serie.

DIAMANTATO BI-TORSION I 10 PZ

11521570006

3221910879808

QTY	PCB	€
10	1	

Torx 20-25-30 / Ph 2-3 / Pz 2-3 / 1 Porta inserti rapidaptor I Nettamente utilizzo in grande serie.

STAINLESS TORSION BIT I 10 PCS

Torx 20-25-30 / Ph 2-3 / Pz 2-3 / 1 Bitholder RAPIDAPTOR I Ideal for avoiding rusting of screws I Torsion Zone.

INOX TORSIÓN I 10 PZS

Torx 20-25-30 / Ph 2-3 / Pz 2-3 / 1 Portapuntas rapidaptor I Para evitar todos los problemas del óxido I Efecto torsión.

INOX TORSION I 10 PZ

11521570003

3221910875527

QTY	PCB	€
10	1	

Torx 20-25-30 / Ph 2-3 / Pz 2-3 / 1 Porta inserti rapidaptor I Per evitare tutti i problemi di ruggine I Effetto Torsion.

EXTRA TOUGH TORSION BIT I 7 PCS

Torx 20-25 / Ph 2-3 / Pz 2-3 I For tasks in soft materials.

EXTRA DURA TORSIÓN I 7 PZS

Torx 20-25 / Ph 2-3 / Pz 2-3 I Para el atornillado en materiales blandos.

EXTRA DURO TORSION I 7 PZ

11521570005

3221910875541

QTY	PCB	€
7	1	

Torx 20-25 / Ph 2-3 / Pz 2-3 I Per le avvitature in materiali teneri.

EXTRA TOUGH TORSION BIT I 10 PCS

Torx 20-25 / Ph 1-2x2-3 / Pz 1-2-3 I For tasks in soft materials.

EXTRA DURA TORSIÓN I 10 PZS

Torx 20-25 / Ph 1-2x2-3 / Pz 1-2-3 I Para el atornillado en materiales blandos.

EXTRA DURO TORSION I 10 PZ

11521570002

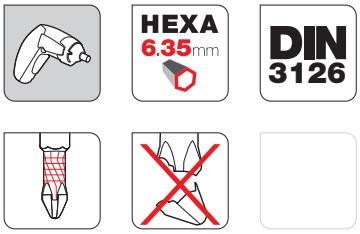
3221910875510

QTY	PCB	€
10	1	

Torx 20-25 / Ph 1-2x2-3 / Pz 1-2-3 I Per le avvitature in materiali teneri.

#10

EXTRA TOUGH TORSION BIT | 54 PCS



Pz & Ph 1-2-3 / Pz & Ph L50mm 1-2 / TX 15-20-25 / TX L50mm 30 /Slot 4,5-5,5 / TXT 8-9-10-15-20-25-30-40 / Square 0-1-2-3 / Countersink / 1 Magnet. Bitholder.

EXTRA DURA TORSIÓN | 54 PZS

Pz & Ph 1-2-3 / Pz & Ph L50mm 1-2 / TX 15-20-25 / TX L50mm 30 / Ø 4,5-5,5 / TXT 8-9-10-15-20-25-30-40 / Cuadrado 0-1-2-3 / Fresa / 1 Portapuntas.

EXTRA DURO TORSION | 54 PZ

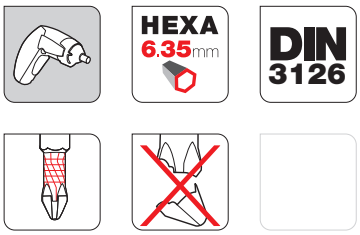
11521570011

3221910883454

QTY	PCB	€
54	1	

Pz & Ph 1-2-3 / Pz & Ph L50mm 1-2 / TX 15-20-25 / TX L50mm 30 / Ø 4,5-5,5 / TXT 8-9-10-15-20-25-30-40 / quadrato 0-1-2-3 / Fresa / 1 Pemb magnétique.

TORSION BIT | 7 PCS



TX 20-25 / Ph 1-2 / Pz 1-2 / 1 Bitholder RAPIDAPTOR | Ideal for screwdriving in metal & hard materials | Torsion zone.

TORSIÓN | 7 PZS

TX 20-25 / Ph 1-2 / Pz 1-2 / 1 Portapuntas rapidaptor | Ideal para el atornillado en metal y materiales duros | Efecto Torsión.

TORSION | 7 PZ

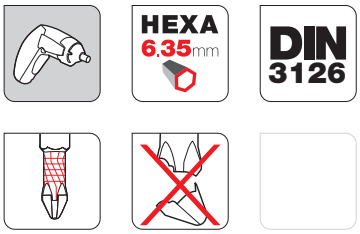
11521570004

3221910875534

QTY	PCB	€
7	1	

TX 20-25 / Ph 1-2 / Pz 1-2 / 1 Porta inserti rapidaptor | Ideale per l'avvitatura in materiali metallici e materiali duri | Effetto Torsion.

TORSION BIT | 10 PCS



TX 20-25 / Ph 1-2x2-3 / Pz 1-2-3 / 1 Bitholder RAPIDAPTOR | Ideal for screwdriving in metal & hard materials | Torsion zone.

TORSIÓN | 10 PZS

TX 20-25 / Ph 1-2x2-3 / Pz 1-2-3 / 1 Portapuntas rapidaptor | Ideal para el atornillado en metal y materiales duros | Efecto Torsión.

TORSION | 10 PZ

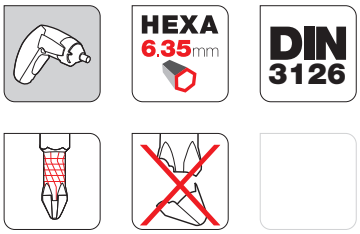
11521570001

3221910875503

QTY	PCB	€
10	1	

TX 20-25 / Ph 1-2x2-3 / Pz 1-2-3 / 1 Porta inserti rapidaptor | Ideale per l'avvitatura in materiali metallici e materiali duri | Effetto Torsion.

TORSION | 10 PCS



Screwdriving handle + Ph 1-2 / Pz 1-2 / TX 10-15-20 / Ø 4-5.5 | Ideal for screwdriving in metal & hard materials | Torsion zone.

TORSIÓN | 10 PZS

Mango de atornillador portapuntas + Ph 1-2 / Pz 1-2 / TX 10-15-20 / Ø 4-5.5 | Ideal para el atornillado en metal y materiales duros | Efecto Torsión.

TORSION | 10 PZ

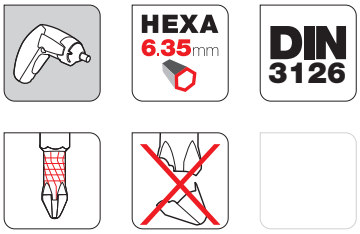
11521370001

3221910875688

QTY	PCB	€
10	1	

Manico per cacciavite + Ph 1-2 / Pz 1-2 / TX 10-15-20 / Ø 4-5.5 | Ideale per l'avvitatura in materiali metallici e materiali duri | Effetto Torsion.

TORSION | 8 PCES



Screwdriving handle + Ph 1-2 / Pz 1-2 / Ø 5,5-6,5 / 1 Telescopic extension quick change / 1 kit.

TORSIÓN | 8 PZS

Mango de atornillador portapuntas + Ph 1-2 / Pz 1-2 / Ø 5,5-6,5 / 1 Cambio de extensión telescópica rápida / kit 1.

TORSION | 8 PZ

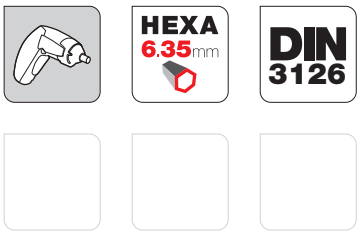
11521370002

3221910875695

QTY	PCB	€
8	1	

Manico per cacciavite + Ph 1-2 / Pz 1-2 / Ø 5,5-6,5 / 1 Estensione telescopica cambio rapido / 1 Kit.

EXTENSION HANDLE



Screwdriving handle with bit holder + quick fastening & magnetic action. Integrated extension rod.

PORTAPUNTAS CON ALARGADOR

Mango de atornillador portapuntas con mandril de cambio rápido y magnético y alargador telescópico integrado.

MANICO CON PROLUNGA

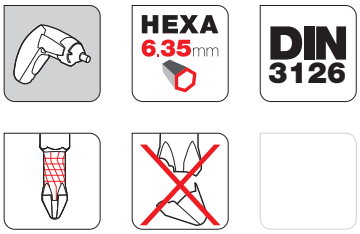
11521330007

3221910875749

QTY	PCB	€
2	1	

Manico per cacciavite porta Inserto con mandrino a serraggio rapido e magnetico con prolunga telescopica integrata.

CROC BOX | 17 PCS



Ph 1-2-3 / Pz 1-2-3 / Tx 10-15-20-25-30 / Allen 3-4-5 / Ø 4-6 / 1 Quick change screwdriver bit holder | Color rings | Torsion zone.

CROC BOX | 17 PZS

Ph 1-2-3 / Pz 1-2-3 / Tx 10-15-20-25-30 / 6 caras 3-4-5 / Ø 4-6 / 1 Portapuntas con cambio rápido de herramienta | Efecto Torsión.

CROC BOX | 17 PZ

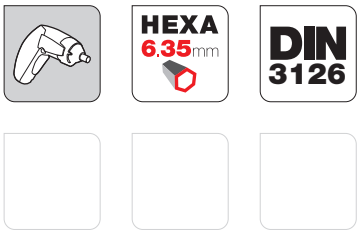
11501570028

3221910900380

QTY	PCB	€
17	1	

Ph 1-2-3 / Pz 1-2-3 / Tx 10-15-20-25-30 / esagon 3-4-5 / Ø 4-6 / 1 Porta Inserti a cambio rapido | Effetto Torsion.

REVERSO | 60 PCS



Lg 25 mm: 5 Slot / 7 Ph / 8 Pz / 7 Allen / 6 TX / 4 TXT / 3 Square / L50mm : 3 Slot / 3 Ph / 3 Pz / 4 Allen / 6 TXT / 1 Quick change screwdriver bit holder.

REVERSO | 60 PZS

Lg 25 mm: 5 Ranura / 7 Ph / 8 Pz / 7 Caras / 6 TX / 4 TXT / 3 Cuadrado / L50mm : 3 Ranura / 3 Ph / 3 Pz / 4 caras / 6 TXT / 1 Portapuntas con cambio rápido

REVERSO | 60 PZ

11501570020

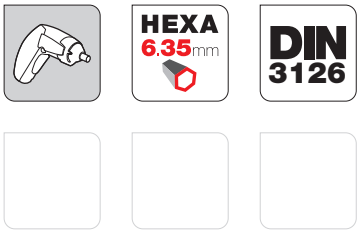
3221910854225

QTY	PCB	€
60	1	

Lg 25 mm: 5 Taglio / 7 Ph / 8 Pz / 7 esagon / 6 TX / 4 TXT / 3 quadrato / L50mm : 3 Taglio / 3 Ph / 3 Pz / 4 esagon / 6 TXT / 1 Porta Inserti a cambio rapido.

#10

STANDARD | 28 PCS



16 bits / 9 Sockets / 1 ratchet handle 1/4" / 2 bitholders | Light usage.

ESTÁNDAR | 28 PZS

16 puntas / llaves de vaso /1 mango destornillador 1/4" / 2 porta-puntas. Uso Ocasional.

STANDARD | 28 PZ

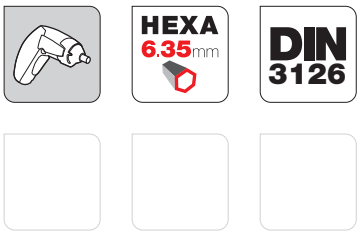
11501570019

3221910847852

QTY	PCB	€
28	1	

16 bit / 9 Bussole / 1 cricchetto maniglia 1/4 "/ 2 porta-bit | Uso occasionale.

STANDARD | 28 PCS



Slot 5,5 / Ph 1-2 / Pz 1-2-3 / TXT 8 > 40 / Sockets 5-6-7-8-9-10-11-12-13 / 1 Adaptator / 1 magnetic bitholder / 1 ratchet handle / 1 screwdriver.

ESTÁNDAR | 28 PZS

Ranura 5,5 / Ph 1-2 / Pz 1-2-3 / TXT 8>40 / Llaves 5-6-7-8-9-10-11-12-13 / 1 Adaptador / 1 Porta-puntas / 1 mango destornillador / 1 destornillador.

STANDARD | 28 PZ

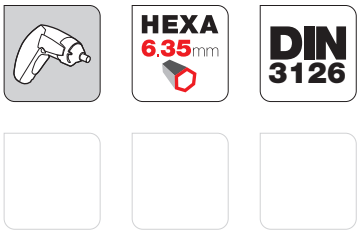
11501570027

3128821845048

QTY	PCB	€
28	1	

Taglio 5,5 / Ph 1-2 / Pz 1-2-3 / TXT 8 > 40 / Bussole 5-6-7-8-9-10-11-12-13 / 1 Adattatore / 1 Porta inserti / 1 cricchetto maniglia / 1 acciavite.

BELT CLIP | 18 PCS



Ph 0-1-2-3 / Pz 0-1-2-3 / TX 10-15-20-25-30 / Square 0-1-2-3 / 1 Bitholder | Belt clip | Light usage.

ENGANCHE CINTURÓN | 18 PZS

Ph 0-1-2-3 / Pz 0-1-2-3 / TX 10-15-20-25-30 / Cuadrado 0-1-2-3 / 1 Portapuntas | Enganche cinturón | Uso ocasional.

ATTACCO CINTURA | 18 PZ

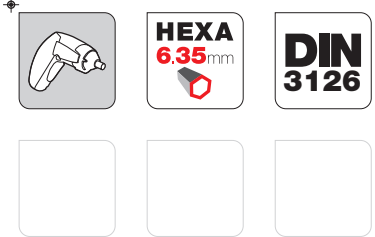
11501570018

3221910843311

QTY	PCB	€
18	1	

Ph 0-1-2-3 / Pz 0-1-2-3 / TX 10-15-20-25-30 / Quadrato 0-1-2-3 / 1 Porta inserti | Attacco cintura | Uso occasionale.

BELT CLIP | 7 PCS



Ph 1-2-3 / Pz 1-2-3 / 1 Bitholder | Belt clip | Light usage.

ENGANCHE CINTURÓN | 7 PZS

Ph 1-2-3 / Pz 1-2-3 / 1 Portapuntas | Enganche cinturón | Uso ocasional.

ATTACCO CINTURA | 7 PZ

11501570021

3221910862879

QTY	PCB	€
7	1	

Ph 1-2-3 / Pz 1-2-3 / 1 Porta inserti | Attacco cintura | Uso occasionale.

#10

BELT CLIP | 9 PCS

Slot 5,5-6,5 / Ph 1-2-3 / Pz 1-2-3 / 1 Bitholder | Belt clip | Light usage.

ENGANCHE CINTURÓN | 9 PZS

Ranura 5,5-6,5 / Ph 1-2-3 / Pz 1-2-3 / 1 Portapuntas | Enganche cinturón | Uso ocasional.

ATTACCO CINTURA | 9 PZ

11501570022

3221910862886

QTY	PCB	€
9	1	

Taglio 5,5-6,5 / Ph 1-2-3 / Pz 1-2-3 / 1 Porta inserti | Attacco cintura | Uso occasionale.

BELT CLIP | 9 PCS

Slot 5,5-6,5 / Ph 1-2-3 / Pz 1-2-3 / 1 Bitholder | Belt clip | Light usage.

ENGANCHE CINTURÓN | 9 PZS

Ranura 5,5-6,5 / Ph 1-2-3 / Pz 1-2-3 / 1 Portapuntas | Enganche cinturón | Uso ocasional.

ATTACCO CINTURA | 9 PZ

11501570023

3221910862893

QTY	PCB	€
9	1	

Taglio 5,5-6,5 / Ph 1-2-3 / Pz 1-2-3 / 1 Porta inserti | Attacco cintura | Uso occasionale.

BELT CLIP | 7 PCS

TX 10-15-20-25-30-40 / 1 Bitholder | Belt clip | Light usage.

ENGANCHE CINTURÓN | 7 PZS

TX 10-15-20-25-30-40 / 1 Portapuntas | Enganche cinturón | Uso ocasional.

ATTACCO CINTURA | 7 PZ

11501570024

3221910862909

QTY	PCB	€
7	1	

TX 10-15-20-25-30-40 / 1 Porta inserti | Attacco cintura | Uso occasionale.

BUSY BEE | 9 PCS

Slot 5,5-6,5 / Ph 1-2-3 / Pz 1-2-3 / 1 Bitholder | Ergonomic grip with both screw positions.

CIGARRA | 9 PZS

Ranura 5,5-6,5 / Ph 1-2-3 / Pz 1-2-3 / 1 Portapuntas | Mango ergonómico con dos posiciones de los tornillos.

CIGALE | 9 PZ

11501520010

3221910114626

QTY	PCB	€
9	1	

Taglio 5,5-6,5 / Ph 1-2-3 / Pz 1-2-3 / 1 Porta inserti | Impugnatura ergonomica con due posizioni per le viti.

#10

BUSY BEE | 9 PCS

TIN Slot 5,5-6,5 / Ph 1-2-3 / Pz 1-2-3 / 1 Bitholder | Ergonomic grip with both screw positions.

CIGARRA | 9 PZS

TIN Ranura 5,5-6,5 / Ph 1-2-3 / Pz 1-2-3 / 1 Portapuntas | Mango ergonómico con dos posiciones de los tornillos.

CIGALE | 9 PZ

11501520014

3221910114664

QTY	PCB	€
9	1	

TIN Taglio 5,5-6,5 / Ph 1-2-3 / Pz 1-2-3 / 1 Porta inserti | Impugnatura ergonomica con due posizioni per le viti.

35 PIECE SCEWDRIVER BIT SET

10 Pz 1-2 / 12 TX 10-15-20-25-30-40 / 10 Ph 1-2 / 2 Slot-Pz / 1 Bitholder | For light usage.

ESTUCHE LS | 35 PZS

10 Pz 1-2 / 12 TX 10-15-20-25-30-40 / 10 Ph 1-2 / 2 Ranura-Pz / 1 Portapuntas | Uso ocasional.

POCHETTE LS | 35 PZ

11501560001

3221910793371

QTY	PCB	€
35	1	

10 Pz 1-2 / 12 TX 10-15-20-25-30-40 / 10 Ph 1-2 / 2 Taglio-Pz / 1 Porta inserti | Uso occasionale.

STANDARD | 3 PCS

Lg 50 mm Ph 1-2-3 | For light usage.

ESTÁNDAR | 3 PZS

Lg 50 mm Ph 1-2-3 | Uso ocasional.

STANDARD | 3 PZ

11501220002

3221910038861

QTY	PCB	€
3	1	

Lg 50 mm Ph 1-2-3 | Uso occasionale.

STANDARD | 3 PCS

Lg 50 mm Pz 1-2-3 | For light usage.

ESTÁNDAR | 3 PZS

Lg 50 mm Pz 1-2-3 | Uso ocasional.

STANDARD | 3 PZ

11501220003

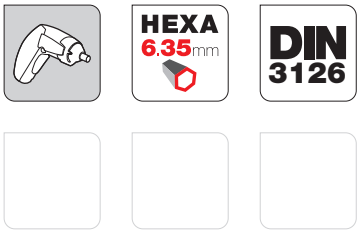
3221910114305

QTY	PCB	€
3	1	

Lg 50 mm Pz 1-2-3 | Uso occasionale.

#10

STANDARD | 5 PCS



Lg 50 mm TX 10-15-20-25-30-40 | For light usage.

ESTÁNDAR | 5 PZS

Lg 50 mm TX 10-15-20-25-30-40 | Uso ocasional.

STANDARD | 5 PZ

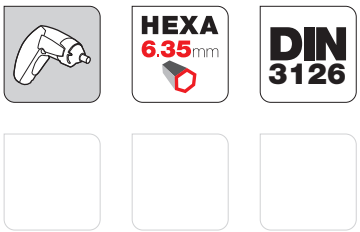
11501220006

3221910114336

QTY	PCB	€
5	1	

Lg 50 mm TX 10-15-20-25-30-40 | Uso occasionale.

STANDARD | 6 PCS



Lg 120 mm Pz1-2 / Ph 1-2 / Tx 20-25 | For light usage

ESTÁNDAR | 6 PZS

Lg 120 mm Pz1-2 / Ph 1-2 / Tx 20-25 | Uso ocasional

STANDARD | 6 PZ

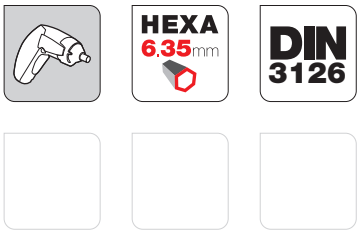
11501220007

3221910843182

QTY	PCB	€
6	3	

Lg 120 mm Pz1-2 / Ph 1-2 / Tx 20-25 | Uso occasionale.

TIN | 15 PCS



TIN: Slot Ø 4-5-6-7 mm / Ph 0-1-2-3 / Pz 0-1-2-3 / Slot-Pz Ø5-2 / Slot-Ph Ø5-2 / 1 Bitholder | For light usage.

TIN | 15 PZS

TIN: Ranura Ø 4-5-6-7 mm / Ph 0-1-2-3 / Pz 0-1-2-3 / Ranura-Pz Ø5-2 / Ranura-Ph Ø5-2 / 1 Portapuntas | Uso ocasional.

TIN | 15 PZ

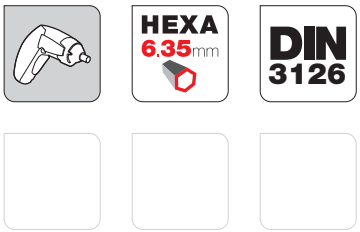
51501520001N

3221910206581

QTY	PCB	€
15	5	

Tin: Taglio Ø4-5-6-7 mm / Ph 0-1-2-3 / Pz 0-1-2-3 / Taglio-Pz Ø5-2 / Taglio-Ph Ø5-2 / 1 Porta inserti | Uso occasionale.

SECURITY | 33 PCS



3 Torq / 4 Spanner / 4 Tri-wing / 12 Allen / 9 Torx Tamper / 1 Screwdriving handle / 1 Extension.

SEGURIDAD | 33 PZS

3 Torq / 4 Doble punta / 4 Tri-wing / 12 Hexagonal / 9 Torx Tamper / Mango de atornillador portapuntas / 1 alargador.

SECUREZZA | 33 PZ

11501520032

3221910824914

QTY	PCB	€
33	1	

3 Torq / 4 Doppia punta / 4 Tri-wing / 12 Esagonale con foro / 9 Torx Tamper / 1 Manico per cacciavite / 1 prolunga.

#10

PRECISION | 35 PCS

PRECISIÓN | 35 PZS

PRECISIONE | 35 PZ

11501570026

3221910864521

QTY	PCB	€
35	1	

7 Slot / 2 Pz / 4 Ph / 8 Allen / 4 Torx / 5 TXTamper / 1 Tri-Wing / 1 spanner / 1 Square / 1 Screwdriver / 1 bitholder Lg 100 mm.

7 ranura / 2 Pz / 4 Ph / 8 Hexagonal / 4 Torx / 5 TXTamper / 1 Tri-Wing / 1 doble punta / 1 Cuadrado / 1 Mango de atornillador portapuntas / 1 Portapuntas

7 Taglio / 2 Pz / 4 Ph / 8 Esagonale / 4 Torx / 5 TXTamper / 1 Tri-Wing / 1 doppia punta / 1 Quadre / 1 Manico per caccia-vite / 1 Porta inserti Lg 100 mm.

PRECISION | 27 PCES

PRECISIÓN | 27 PZS

PRECISIONE | 27 PZ

11501570025

3221912006356

QTY	PCB	€
27	1	

Support & extension rod / 3 slot / 4 Ph / 7 TX / 5 wrenches / 6 mini nut tightening.

Soporte y barra de extensión / 3 ranura / 4 Ph / 7 TX / 5/6 llaves de apriete tuerca mini.

Supporto & stelo / 3 Taglio / 4 Ph / 7 TX / 5/6 chiavi di serraggio dado mini.

PRECISION | 7 PCS SLOTTED

PRECISIÓN | 7 PZS RANURA

PRECISIONE | 7 PZ TAGLIO

11501520001

3221912006813

QTY	PCB	€
7	6	

Slot: 0-1,5-2-2,5-3-3,5-4 mm.

Ranura: 0-1,5-2-2,5-3-3,5-4 mm.

Taglio: 0-1,5-2-2,5-3-3,5-4 mm.

PRECISION | 8 PCS PH & PZ

PRECISIÓN | 8 PZS PH & PZ

PRECISIONE | 8 PZ PH & PZ

11501520002

3221912006820

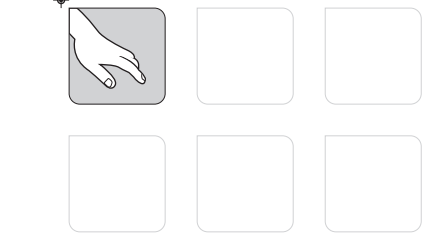
QTY	PCB	€
8	6	

Ph000-00-0-1 / Pz 000-00-0-1.

Ph000-00-0-1 / Pz 000-00-0-1.

Ph000-00-0-1 / Pz 000-00-0-1.

PRECISION | 8 PCS ALLEN SCREWS



Allen: 0,7-0,9-1,3-1,5-2-2,5-3-4 mm.

PRECISIÓN | 8 PZS 6 CARAS

Hexagonal: 0,7-0,9-1,3-1,5-2-2,5-3-4 mm.

PRECISIONE | 8 PZ ESAGONAL

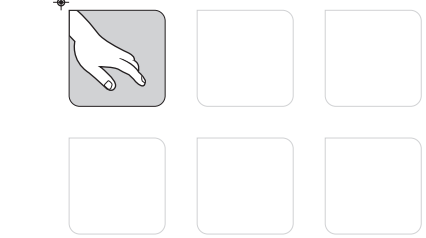
11501520003

3221912006837

QTY	PCB	€
8	6	

Esagonale: 0,7-0,9-1,3-1,5-2-2,5-3-4 mm.

PRECISION | 8 PCS TORX



Tx: 4-5-6-7-8-9-10-15.

PRECISIÓN | 8 PZS TORX

Tx: 4-5-6-7-8-9-10-15.

PRECISIONE | 8 PZ TORX

11501520004

3221912006844

QTY	PCB	€
8	6	

Tx: 4-5-6-7-8-9-10-15.

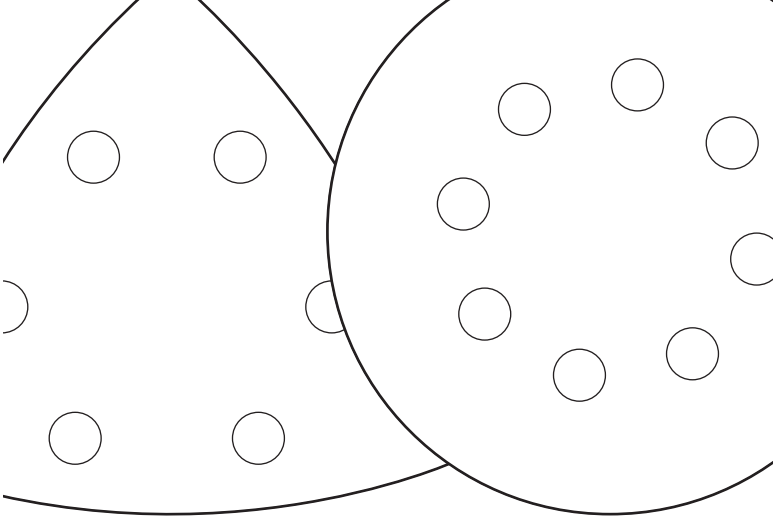
#10

GENE-
RAL
CATALOGUE

SANDING

ABRASIVOS
LEVIGATURA

#11/19



SANDING
ABRASIVOS
LEVIGATURA

HAND SANDING 508
MANUAL
A MANO

Sheets/Rolls. Hojas de mano/Rollos. Fogli carta abrasiva/rotoli . #11
Abrasive Foam Pads. Esponjas abrasivas. Spugna abrasiva.
Sanding Blocks. Tacos de pulido. Levigatrice manuale.

FOR POWERED SANDERS 520
PARA LIJADORA
PER LEVIGATRICI

Mesh. Malla. Maglia. #11
Aluminium Oxide. Corindón. Corendone.

FOR DRILLS 549
PARA TALADRO
PER TRAPANO

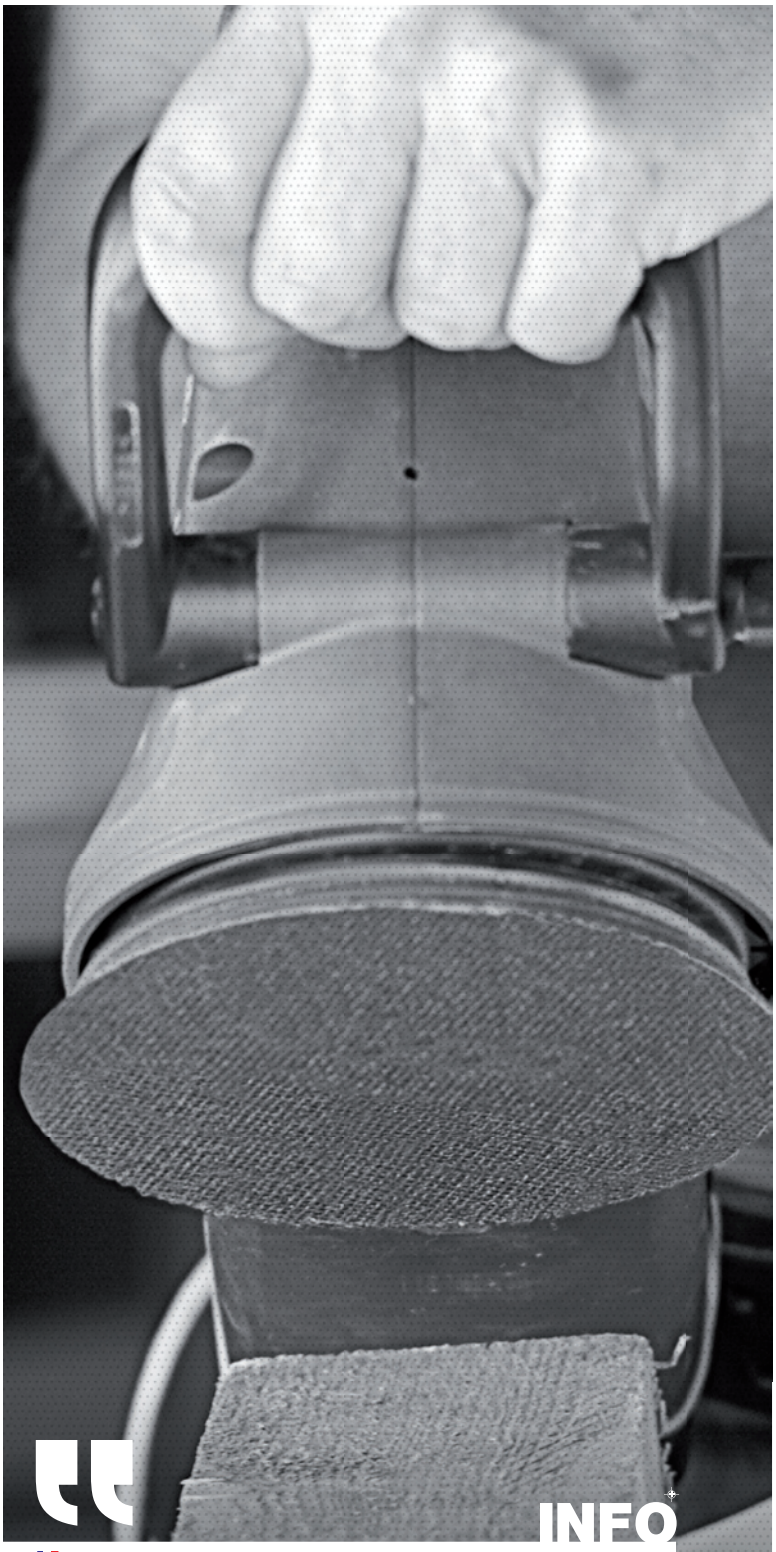
Discs. Discos. Dischi. #11
Flap wheels. Ruedas abrasivas. Ruote abrasive.

FOR ANGLE GRINDERS 555
PARA AMOLADORA
PER MOLATRICE

Fibre Discs. Discos. Dischi. #11
Flap Discs. Discos de láminas. Dischi a lamelle.
Semi Flexible Discs. Discos semi-rígidos. Dischi semi-rigidi.

BACKING PADS 566
SOPORTES
SUPPORTI

#11



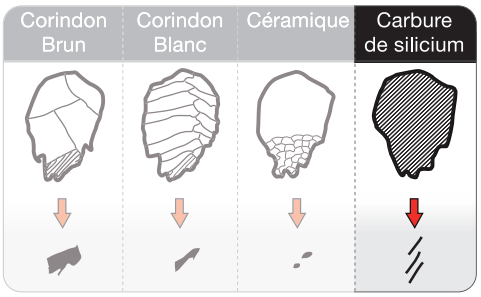
ABRASIF
ABRASIVE

Points forts de la gamme :

1. Moins de poussières pour un travail plus propre et confortable, grâce à la structure maille qui piège et canalise la poussière.
2. Plus de performances : plus de longévité et d'efficacité, grâce au grain de Carbure de Silicium.
3. Plus adaptable : la structure respirante permet de s'adapter aux différentes machines quel que soit le système d'aspiration.

Key product advantages :

1. Improved dust extraction - mesh structure traps and channels dust more efficiently ensuring cleaner sanding.
2. Improved sanding performances : silicon carbide grit ensures more efficient sanding and longer life.
3. Compatible with all sanders : mesh 'multi hole' structure ensures easy selection, no need for specific dust hole fitment.



INFO

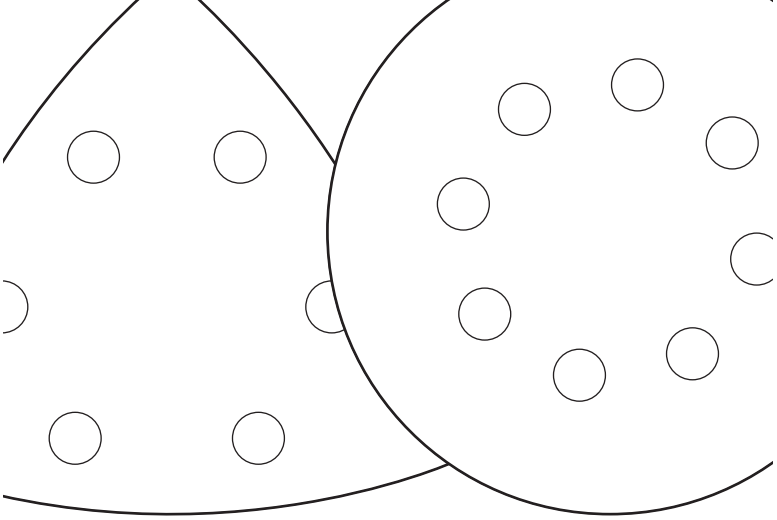
Abrasif maille carbure de silicium : performance et grande durée de vie pour les travaux intensifs et exigeants, sur tout type de support : bois, bois peints, métal ou plâtre.

Abrasive Mesh - Silicon Carbide grit : A revolutionary new 'hollow' abrasive sheet guaranteeing great performance & longer life for all heavy duty sanding tasks on any surface - wood, paint, metal or plaster.

Caractéristiques techniques
Specifications

Support. Base.	Treillis nylon. Nylon mesh.
Grain. Grit.	Carbure de Silicium. Silicon carbide.
Liant. Glue.	Résine. Resin.
Dépose. Process.	Electrostatique. Electrostatic.

particulier@tivoly.com



HAND SANDING **508** Sheets/Rolls. Hojas de mano/Rollos. Fogli carta abrasiva/rotoli . #11
MANUAL
A MANO
Abrasive Foam Pads. Esponjas abrasivas. Spugna abrasiva.
Sanding Blocks. Tacos de pulido. Levigatrice manuale.

FOR POWERED SANDERS 520 Mesh. Malla. Maglia. #11
PARA LIJADORA
PER LEVIGATRICI
Aluminium Oxide. Corindón. Corendone.

FOR DRILLS 549 Discs. Discos. Dischi. #11
PARA TALADRO
PER TRAPANO
Flap wheels. Ruedas abrasivas. Ruote abrasive.

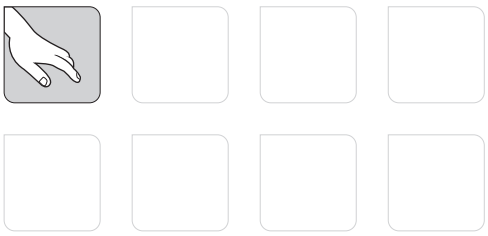
FOR ANGLE GRINDERS 555 Fibre Discs. Discos. Dischi. #11
PARA AMOLADORA
PER MOLATRICE
Flap Discs. Discos de láminas. Dischi a lamelle.
Semi Flexible Discs. Discos semi-rígidos. Dischi semi-rigidi.

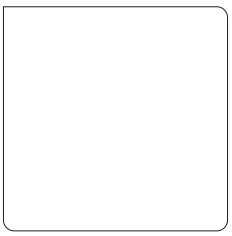
BACKING PADS 566 #11
SOPORTES
SUPPORTI

WHITE ALUMINIUM OXIDE FULL SHEET I 230X280MM

HOJAS ABRASIVAS A MANO CORINDÓN I 230X280MM

FOGLI ABRASIVI A MANO CORENDONE I 230X280MM





For stripping ,sanding & dry polishing of metal, light masonry, wood, paint & primers, mastic.

Decapado, pulido, lijado en seco de todos los metales y materiales blandos, madera, pintura, masilla

Decapaggio, levigatura, lucidatura a secco di tutti i metalli e materiali morbidi, legno, vernici, pitture, mastice.

Hard Wood
Madera dura
Legno duro

Wood
Madera
Legno

XT11311	EAN	Gr	QTY	PCB
XT10131013001	3128820130015	40	3	6
XT10131013002	3128820130022	80	3	6
XT10131013003	3128820130039	120	3	6
XT10131013004	3128820130046	180	3	6
XT10131013005	3128820130053	40/80/120	3	6

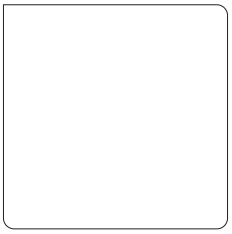
XT11316	EAN	Gr	QTY	PCB
XT10131018442	3128820184407	40	4	50
XT10131018441	3128820184414	80	4	50
XT10131018440	3128820184421	120	4	50

XT11314	EAN	Gr	QTY	PCB
XT10134013100	3128820131005	40	1	50
XT10134013101	3128820131012	80	1	50
XT10134013102	3128820131029	120	1	50
XT10134013103	3128820131036	180	1	50

FLINT PAPER FULL SHEET | 230X280MM

HOJAS ABRASIVAS A MANO SILEX | 230X280MM

FOGLI ABRASIVI A MANO SILEX | 230X280MM



For stripping & dry sanding of masonry, wood, plaster, paint, primers & fillers

Decapado, pulido en seco de materiales blandos, pintura, madera, escayola, masilla.

Decapaggio e levigatura a secco di materiali teneri, vernici, pitture, cartongesso, intonaco.

Hard Wood

Madera dura

Legno duro

Wood

Madera

Legno

XT11321	EAN	Gr	QTY	PCB
XT10131013010	3128820130107	50	5	6
XT10131013011	3128820130114	80	5	6
XT10131013012	3128820130121	120	5	6
XT10131013013	3128820130138	150	5	6

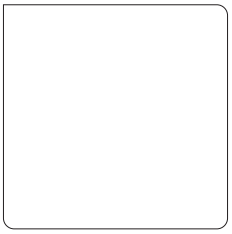
XT11326	EAN	Gr	QTY	PCB
XT10131018412	3128820184124	50	4	50
XT10131018411	3128820184117	80	4	50
XT10131018410	312882018100	120	4	50
XT10131018609	3128820186098	ASSORT	25	20
XT10131018610	3128820186111	ASSORT	16	20
XT10131018611	3128820186104	80	40	20

XT11324	EAN	Gr	QTY	PCB
XT10134013110	3128820131104	50	1	50
XT10134013111	3128820131111	80	1	50
XT10134013112	3128820131128	120	1	50
XT10134013113	3128820131135	150	1	50

ANTI-CLOG SILICON CARBIDE FULL SHEET I 230X280MM

HOJAS ABRASIVAS A MANO ANTI-EMBOTAMIENTO I 230X280MM

FOGLI ABRASIVI A MANO ANTI-SATURAZIONE I 230X280MM



#11

For stripping & dry sanding of paints, lacquers, varnishes & polyester

Decapado, pulido en seco de pinturas, barnices, esmaltes, poliéster

Decapaggio e levigatura a secco di pitture, laccati, e polyester.

Wood
Madera
Legno

Plaster
Escayola
Intonaco

XT11331	EAN	Gr	QTY	PCB
XT10131013020	3128820130206	120	3	6
XT10131013021	3128820130213	180	3	6
XT10131013022	3128820130220	240	3	6
XT10131013023	3128820130237	320	3	6

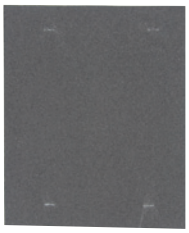
XT11336	EAN	Gr	QTY	PCB
XT10131018472	3128820184728	120	4	50
XT10131018471	3128820184711	180	4	50
XT10131018470	3128820184704	240	4	50

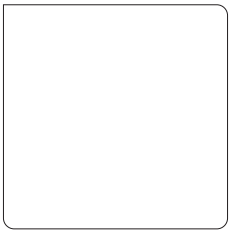
XT11334	EAN	Gr	QTY	PCB
XT10134013120	3128820131203	120	1	50
XT10134013121	3128820131210	180	1	50
XT10134013122	3128820131227	240	1	50
XT10134013123	3128820131234	320	1	50
XT10131513025	3128825130256	180/240/320	12	25

EMERY CLOTH FULL SHEET | 230X280MM

HOJAS ABRASIVAS A MANO TELA ESMERIL | 230X280MM

FOGLI ABRASIVI A MANO TELA SMERIGLIO | 230X280MM





For stripping & dry & wet sanding of ferrous & non ferrous metals, rust

Decapado, pulido en seco y al agua, metales ferrosos, metales no ferrosos, óxido

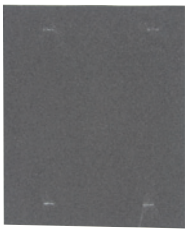
Decapaggio e levigatura a secco e a acqua di metalli ferrosi e non ferrosi, ruggine.

Metal
Metal
Metallo

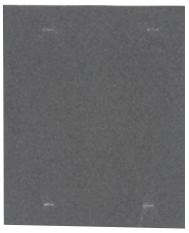
Painted metal
Metal pintado
Metallo verniciato

XT11341	EAN	Gr	QTY	PCB
XT10131013040	3128820130404	50	3	6
XT10131013041	3128820130411	80	3	6
XT10131013042	3128820130428	120	3	6
XT10131013043	3128820130435	150	3	6

XT11346	EAN	Gr	QTY	PCB
XT10131018492	3128820184902	50	4	50
XT10131018491	3128820184919	80	4	50
XT10131018490	3128820184926	120	4	50
XT10131018612	3128820186128	ASSORT	9	20



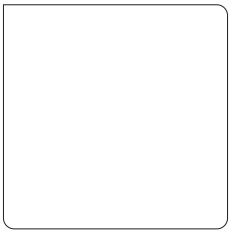
XT1344	EAN	Gr	QTY	PCB
XT10134013140	3128820131401	50	1	50
XT10134013141	3128820131418	80	1	50
XT10134013142	3128820131425	120	1	50
XT10134013143	3128820131432	150	1	50



SILICON CARBIDE WATERPROOF FULL SHEET I 230X280MM

HOJAS ABRASIVAS A MANO IMPERMEABLE I 230X280MM

FOGLI ABRASIVI A MANO IMPERMEABILE I 230X280MM



For stripping & dry sanding of paint, metal primers, car bodywork , plastic & fillers

Decapado, pulido de pinturas, imprimación sobre metal, carrocería, plástico, revestimiento.

Decapaggio e levigatura di vernici, metallo, carrozzerie, plastiche, intonaco.

Metal
Metal
Metallo

Painted metal
Metal pintado
Metallo verniciato

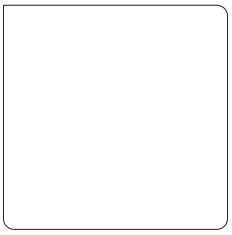
XT11351	EAN	Gr	QTY	PCB
XT10131013030	3128820130305	180	3	6
XT10131013031	3128820130312	240	3	6
XT10131013032	3128820130329	400	3	6
XT10131013033	3128820130336	600	3	6

XT11356	EAN	Gr	QTY	PCB
XT10134013130	3128820131302	180	1	50
XT10134013131	3128820131319	240	1	50
XT10134013132	3128820131326	400	1	50
XT10134013133	3128820131333	600	1	50

MESH ABRASIVE ROLL I SLICON CARBIDE 93MM X 5M

ROLLO ABRASIVO MALLA I CARBURO DE SILICIO, 93MM X 5M

ROTOLO D'ABRASIVO MAGLIA I CARBURO DI SILICIO, 93MM X 5M



For stripping ,sanding & dry polishing of metal, light masonry, wood, paint & primers, mastic.

Decapado, lijado, pulido en seco de todo tipo de metales y materiales blandos, maderas, , pintura, cola, masilla

Sverniciare, levigatura, lucidatura a secco di tutti i metalli e materiali morbidi, legno, vernici, mastice.

Hard Wood
Madera dura
Legno duro

Wood
Madera
Legno

Metal
Metal
Metallo

XT12021	EAN	Gr	QTY	PCB
XT10131018621	3221910900151	40	1	1
XT10131018622	3221910900168	80	1	1
XT10131018623	3221910900175	120	1	1
XT10131018624	3221910900182	180	1	1

ROULEAU D'ABRASIF CORINDON JAUNE I 93MM X 5M

ROLLO ABRASIVO CORINDÓN AMARILLO I 93MM X 5M

ROTOLO D'ABRASIVO CORENDONE GIALLO I 93MM X 5M

For stripping ,sanding & dry polishing of metal, light masonry, wood, paint & primers, mastic.

Decapado, lijado, pulido en seco de todos tipo de metales y materiales blandos, maderas, , pintura, cola, masilla

Sverniciare, levigatura, lucidatura a secco di tutti i metalli e materiali morbidi, legno, vernici, mastice.

Hard Wood
Madera dura
Legno duro

Wood
Madera
Legno

Metal
Metal
Metallo

XT12001	EAN	Gr	QTY	PCB
XT10131018613	3221910900076	40	1	1
XT10131018614	3221910900083	80	1	1
XT10131018615	3221910900090	120	1	1
XT10131018616	3221910900106	180	1	1

YELLOW ALOX ABRASIVE ROLL -AUTOAGRIP I 93MM X 5M

ROLLO ABRASIVO CORINDÓN VELCRO AMARILLO I 93MM X 5M

ROTOLO D'ABRASIVO VELCRATO CORENDONE GIALLO I 93MM X 5M

For stripping ,sanding & dry polishing of metal, light masonry, wood, paint & primers, mastic.

Decapado, lijado, pulido en seco de todos tipo de metales y materiales blandos, maderas, , pintura, cola, masilla

Sverniciare, levigatura, lucidatura a secco di tutti i metalli e materiali morbidi, legno, vernici, mastice.

Hard Wood
Madera dura
Legno duro

Wood
Madera
Legno

Metal
Metal
Metallo

XT12011	EAN	Gr	QTY	PCB
XT10131018617	3221910900113	40	1	1
XT10131018618	3221910900120	80	1	1
XT10131018619	3221910900137	120	1	1
XT10131018620	3221910900144	180	1	1

YELLOW ALOX ABRASIVE ROLL | 93MM X 5M

ROLLO ABRASIVO CORINDÓN AMARILLO | 93MM X 25M

ROTOLO D'ABRASIVO CORENDONE GIALLO | 93MM X 25M

For stripping ,sanding & dry polishing of metal, light masonry, wood, paint & primers, mastic.

Decapado, lijado, pulido en seco de todo tipo de metales y materiales blandos, maderas, , pintura, cola, masilla

Sverniciare, levigatura, lucidatura a secco di tutti i metalli e materiali morbidi, legno, vernici, mastice.

Hard Wood
Madera dura
Legno duro

Wood
Madera
Legno

Metal
Metal
Metallo

XT12031	EAN	Gr	QTY	PCB
XT10131018625	3221910900199	40	1	1
XT10131018626	3221910900205	80	1	1
XT10131018627	3221910900212	120	1	1
XT10131018628	3221910900229	180	1	1

MESH ABRASIVE ROLL | SILICON CARBIDE 115MM X 5M

ROLLO ABRASIVO MALLA | CARBURO DE SILICIO, 115MM X 5M

ROTOLO D'ABRASIVO MAGLIA | CARBURO DI SILICIO, 115MM X 5M

For stripping ,sanding & dry polishing of metal, light masonry, wood, paint & primers, mastic.

Decapado, lijado, pulido en seco de todo tipo de metales y materiales blandos, maderas, , pintura, cola, masilla

Sverniciare, levigatura, lucidatura a secco di tutti i metalli e materiali morbidi, legno, vernici, mastice.

Hard Wood
Madera dura
Legno duro

Wood
Madera
Legno

Metal
Metal
Metallo

XT12051	EAN	Gr	QTY	PCB
XT10131018633	3221910900151	40	1	1
XT10131018634	3221910900168	80	1	1
XT10131018635	3221910900175	120	1	1
XT10131018636	3221910900182	180	1	1

YELLOW ALOX ABRASIVE ROLL | 115MM X 5M

ROLLO ABRASIVO CORINDÓN AMARILLO | 115MM X 5M

ROTOLO D'ABRASIVO CORENDONE GIALLO | 115MM X 5M

For stripping ,sanding & dry polishing of metal, light masonry, wood, paint & primers, mastic.

Decapado, lijado, pulido en seco de todo tipo de metales y materiales blandos, maderas, , pintura, cola, masilla

Sverniciare, levigatura, lucidatura a secco di tutti i metalli e materiali morbidi, legno, vernici, mastice.

Hard Wood
Madera dura
Legno duro

Wood
Madera
Legno

Metal
Metal
Metallo

XT12041	EAN	Gr	QTY	PCB
XT10131018629	3221910900236	40	1	1
XT10131018630	3221910900243	80	1	1
XT10131018631	3221910900250	120	1	1
XT10131018632	3221910900267	180	1	1

YELLOW ALOX ABRASIVE ROLL | 115MM X 25M

ROLLO ABRASIVO CORINDÓN AMARILLO | 115MM X 25M

ROTOLO D'ABRASIVO CORENDONE GIALLO | 115MM X 25M

For stripping ,sanding & dry polishing of metal, light masonry, wood, paint & primers, mastic.

Decapado, lijado, pulido en seco de todo tipo de metales y materiales blandos, maderas, pintura, cola, masilla

Sverniciare, levigatura, lucidatura a secco di tutti i metalli e materiali morbidi, legno, vernici, mastice.

Hard Wood
Madera dura
Legno duro

Wood
Madera
Legno

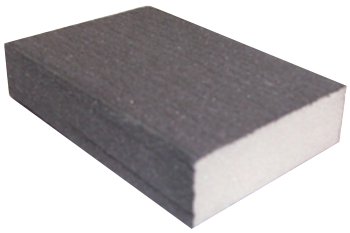
Metal
Metal
Metallo

XT12061	EAN	Gr	QTY	PCB
XT10131018637	3221910900311	40	1	1
XT10131018638	3221910900328	80	1	1
XT10131018639	3221910900335	120	1	1
XT10131018640	3221910900342	180	1	1

ABRASIVE SPONGE 70X100MM

ESPONJA ABRASIVA 70X100MM

SPUGNA ABRASIVA 70X100MM



For stripping ,sanding & dry polishing of masonry, wood, plaster, primers

Decapado, pulido y lijado en seco de todo tipo de materiales blandos, madera, escayola, imprimación

Sverniciare, levigatura, lucidatura a secco di tutti i metalli e materiali morbidi, legno, cartongesso.

Wood
Madera
Legno

Plaster
Escayola
Intonaco

XT11531	EAN	Gr	QTY	PCB
XT10152015070	3128820150709	Fine	1	3
XT10152015071	3128820150716	Medium	1	3
XT10161015072	3128820150723	Fine	1	10

RIGID SANDING BLOCK

TACO DE PULIDO RÍGIDO

PATTINO A LEVIGARE RIGIDA

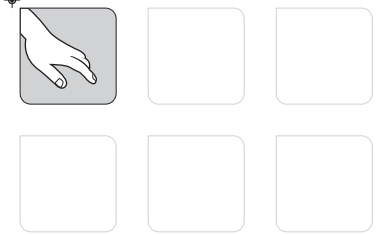
Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Metal
Metal
Metallo

XT11511	EAN				QTY	PCB
XT10152015012	3221912006707				5	1
XT10152015011	3221912006691				1	1
XT10152015010	3128820150105				1	3
XT10151515011	3128825150117	3x120			4	7
XT10111018614	3128820186142	10x40	20x80	20x120	51	1

SELF GRIPPING RIGID SANDING BLOCK



Sanding block with Autogrip platen. Assortment of sanding sheets Grits: 40g/80g/120g

TACO DE PULIDO VELCRO

PATTINO A LEVIGATE VELCRATO

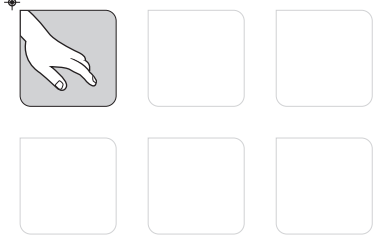
XT10151315016

3128823150164

QTY	PCB	€
20	8	

Pattino rigido velcrato con manico. Assortimento di pattiniabrasivi grana /4080/120

ABRASIVE SHEET, AUTO GRIP FOR HAND SANDING BLOCK



Pack of 21 autogrip sheets 7x50g/ 7x80g/7x120g

PATIN ABRASIVO VELCRO PARA TACO DE PULIDO

Lote de 21 accesorios velcro 7x50/7x80/7x120

'PATTINO VELCRATO AUTO AGRIP-PANTE PARA PATTINO A LEVIGATE

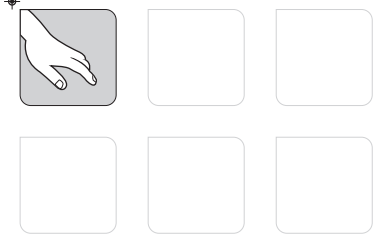
XT10151515035

3128825150353

QTY	PCB	€
21	20	

Set di 21 guarniture in velcro 7x50/7x80/7x120

RIGID SANDING BLOCK



Hard sanding block with handle , with 2 mesh sanding sheets 120g

TACO DE PULIDO RÍGIDO 115X230MM + 2 PATINES

Taco de pulido rígido con mango, con 2 patines abrasivos de malla, grano 120

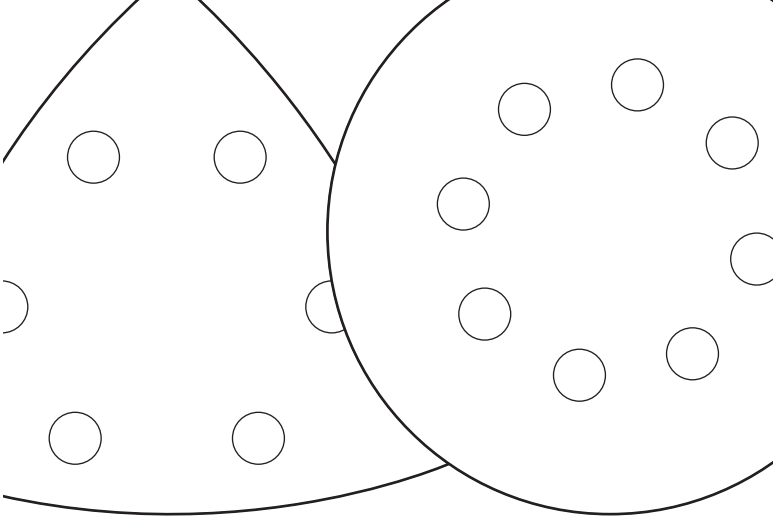
PATTINO A LEVIGARE RIGIDA 115X230MM + 2 RETICOLI

XT10111018615

3128820186142

QTY	PCB	€
3	1	

Pattino rigido con manico, con 2 pattini abrasivia maglia grana 120



HAND SANDING 508 Sheets/Rolls. Hojas de mano/Rollos. Fogli carta abrasiva/rotoli . #11
MANUAL
A MANO
Abrasive Foam Pads. Esponjas abrasivas. Spugna abrasiva.
Sanding Blocks. Tacos de pulido. Levigatrice manuale.

FOR POWERED SANDERS 520 Mesh. Malla. Maglia. #11
PARA LIJADORA
PER LEVIGATRICI
Aluminium Oxide. Corindón. Corendone.

FOR DRILLS 549 Discs. Discos. Dischi. #11
PARA TALADRO
PER TRAPANO
Flap wheels. Ruedas abrasivas. Ruote abrasive.

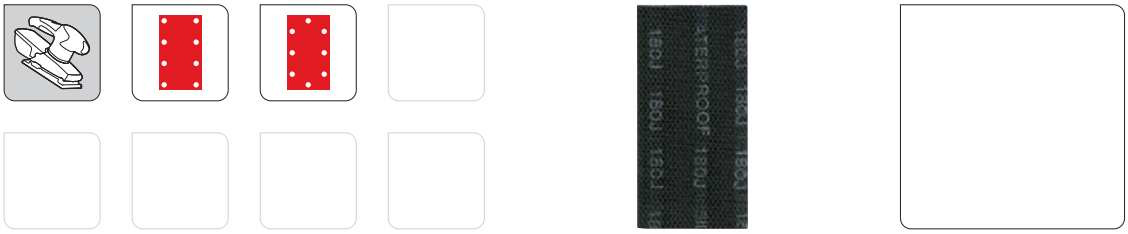
FOR ANGLE GRINDERS 555 Fibre Discs. Discos. Dischi. #11
PARA AMOLADORA
PER MOLATRICE
Flap Discs. Discos de láminas. Dischi a lamelle.
Semi Flexible Discs. Discos semi-rígidos. Dischi semi-rigidi.

BACKING PADS 566 #11
SOPORTES
SUPPORTI

MESH SANDING SHEET,AUTO GRIP, 93X190MM FOR ORBITAL SANDER

PATIN MALLA VELCRO | 93X190MM, PARA LIJADORA VIBRATORIA

PATTINO A MAGLIA VELCRATO | 93X190MM, PER LEVIGATRICE VIBRANTE



Longer Life x2
sanding x2

Faster
Reduced dust

Duración de vida x 2, reducción de tiempos x 2, Menos viruta

Durata di vita x2
Minor tempo x2
Minor polvere

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

Metal
Metal
Metallo

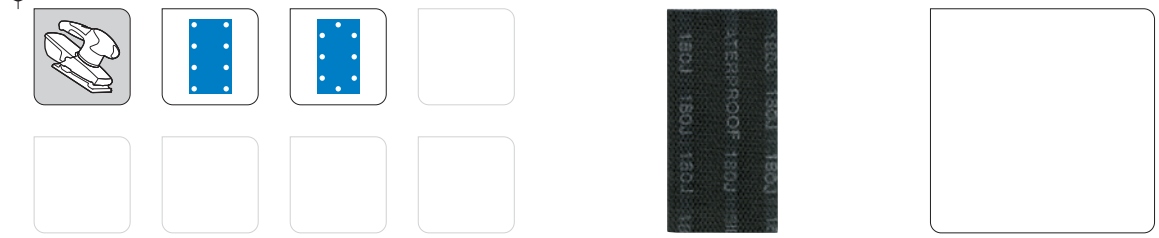
XT11032	EAN	Gr	QTY	PCB
XT10122019070	3221910896089	40	5	3
XT10122019071	3221910896096	80	5	3
XT10122019072	3221910896102	120	5	3
XT10122019073	3221910896119	180	5	3
XT10122019074	3221910896126	2x40 2x80 1x120	5	3

XT11031	EAN	Gr	QTY	PCB
XT10121018700	3221910898755	40	5	6
XT10121018701	3221910898762	80	5	6
XT10121018702	3221910898779	120	5	6
XT10121018703	3221910898786	180	5	6
XT10121018704	3221910898793	2x40 2x80 1x120	5	6

MESH SANDING SHEET, 93X230MM FOR ORBITAL SANDER

PATIN MALLA I 93X230MM, PARA LIJADORA VIBRATORIA

PATTINO A MAGLIA I 93X230MM, PER LEVIGATRICE VIBRANTE



Longer Life x2
sanding x2

Faster
Reduced dust

Duración de vida x 2, reducción de tiempos x 2, Menos viruta

Durata di vita x2
Minor tempo x2
Minor polvere

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

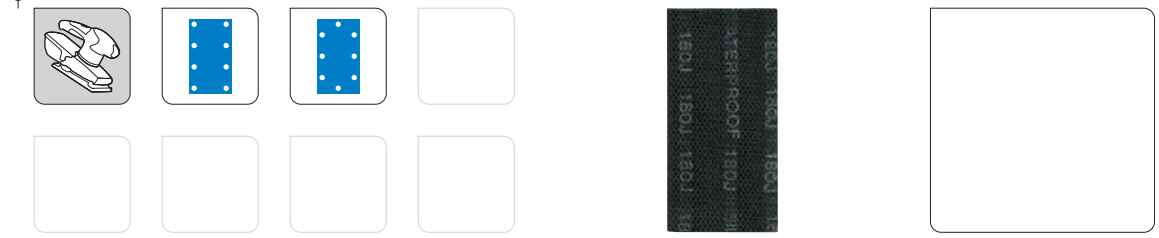
Metal
Metal
Metallo

XT11042	EAN	Gr	QTY	PCB
XT10122019080	3221910896133	40	8	3
XT10122019081	3221910896140	80	8	3
XT10122019082	3221910896157	120	8	3
XT10122019083	3221910896164	180	8	3
XT10122019084	3221910896171	2x40 2x80 1x120	8	3

MESH SANDING SHEET SPECIAL PLASTER, 93X230MM FOR ORBITAL SANDER

PATIN MALLA ESPECIAL ESCAYOLA I 93X230MM, PARA LIJADORA VIBRATORIA

PATTINO A MAGLIA SPECIAL PLATRE I 93X230MM, PER LEVIGATRICE VIBRANTE



Longer Life x2
sanding x2

Faster
Reduced dust

Duración de vida x 2, reducción de tiempos x 2, Menos viruta

Durata di vita x2
Minor tempo x2
Minor polvere

Plaster
Escayola
Intonaco

XT11052	EAN	Gr	QTY	PCB
XT10122019085	3221910896188	150	4	3
XT10122019086	3221910896195	220	4	3

MESH SANDING SHEET,AUTO GRIP, 115X230MM FOR ORBITAL SANDER

PATIN MALLA VELCRO | 115X230MM, PARA LIJADORA VIBRATORIA

PATTINO A MAGLIA VELCRATO | 115X230MM, PER LEVIGATRICE VIBRANTE

Longer Life x2
sanding x2

Faster
Reduced dust

Duración de vida x 2, reducción de tiempos x 2, Menos viruta

Durata di vita x2
Minor tempo x2
Minor polvere

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

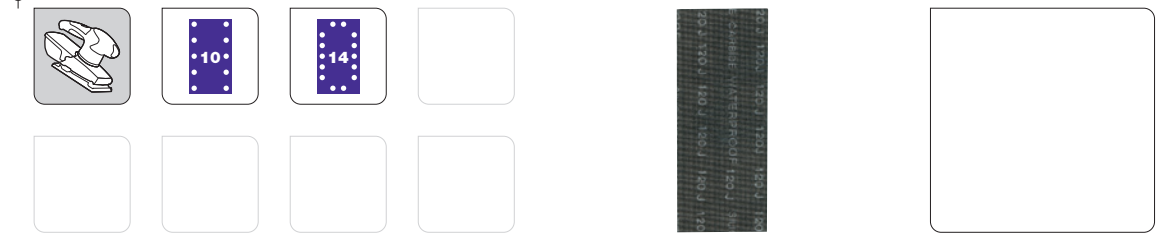
Metal
Metal
Metallo

XT11062	EAN	Gr	QTY	PCB
XT10122019090	3221910896201	40	5	3
XT10122019091	3221910896218	80	5	3
XT10122019092	3221910896225	120	5	3
XT10122019093	3221910896232	180	5	3
XT10122019094	3221910896249	2x40 2x80 1x120	5	3

MESH SANDING SHEET, 115X280MM FOR ORBITAL SANDER

PATIN MALLA | 115X280MM, PARA LIJADORA VIBRATORIA

PATTINO A MAGLIA | 115X280MM, PER LEVIGATRICE VIBRANTE



Longer Life x2
sanding x2

Faster
Reduced dust

Duración de vida x 2, reducción de tiempos x 2, Menos viruta

Durata di vita x2
Minor tempo x2
Minor polvere

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

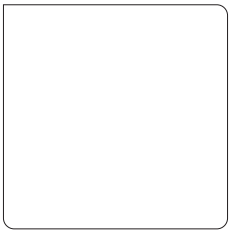
Metal
Metal
Metallo

XT11072	EAN	Gr	QTY	PCB
XT10122019100	3221910896256	40	8	3
XT10122019101	3221910896263	80	8	3
XT10122019102	3221910896270	120	8	3
XT10122019103	3221910896287	180	8	3
XT10122019104	3221910896294	2x40 2x80 1x120	8	3

MESH SANDING SHEET SPECIAL PLASTER, 115X280MM FOR ORBITAL SANDER

PATIN MALLA ESPECIAL ESCAYOLA | 115X280MM, PARA LIJADORA VIBRATORIA

PATTINO A MAGLIA SPECIAL PLATRE | 115X280MM, PER LEVIGATRICE VIBRANTE



Longer Life x2
sanding x2

Faster
Reduced dust

Duración de vida x 2, reducción de tiempos x 2, Menos viruta

Durata di vita x2
Minor tempo x2
Minor polvere

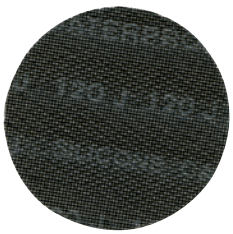
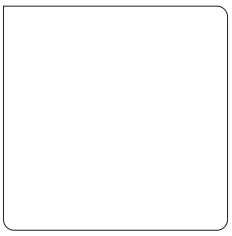
Plaster
Escayola
Intonaco

XT11082	EAN	Gr	QTY	PCB
XT10122019105	3221910896300	150	4	3
XT10122019106	3221910896317	220	4	3

MESH SANDING DISC,AUTO GRIP, Ø 125MM, FOR EXCENTRIC SANDING

PATIN MALLA VELCRO | Ø 125MM, PARA LIJADORA EXCÉNTRICA

PATTINO A MAGLIA VELCRATO | Ø 125MM, PER LEVIGATRICE ORBITALE

Longer Life x2
sanding x2

Faster
Reduced dust

Duración de vida x 2, reducción de tiempos x 2, Menos viruta

Durata di vita x2
Minor tempo x2
Minor polvere

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

Metal
Metal
Metallo

XT11012	EAN	Gr	QTY	PCB
XT10112019120	3221910895716	40	4	3
XT10112019121	3221910895723	80	4	3
XT10112019122	3221910895730	120	4	3
XT10112019123	3221910895747	180	4	3
XT10112019124	3221910895754	2x40 2x80 1x120	4	3

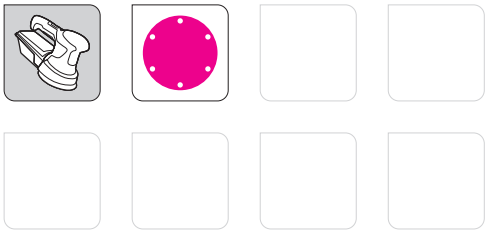
XT11011	EAN	Gr	QTY	PCB
XT10111018710	3221910898977	40	5	6
XT10111018711	3221910898977	80	5	6
XT10111018712	3221910898991	120	5	6
XT10111018713	3221910899004	180	5	6
XT10111018714	3221910899011	2x40 2x80 1x120	5	6

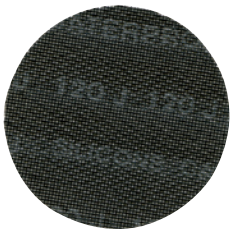
#11

MESH SANDING DISC,AUTO GRIP, Ø 150MM, FOR EXCENTRIC SANDING

PATIN MALLA VELCRO I Ø 150MM, PARA LIJADORA EXCÉNTRICA

PATTINO A MAGLIA VELCRATO I Ø 150MM, PER LEVIGATRICE ORBITALE





Longer Life x2
sanding x2

Faster
Reduced dust

Duración de vida x 2, reducción de tiempos x 2, Menos viruta

Durata di vita x2
Minor tempo x2
Minor polvere

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

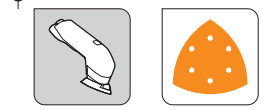
Metal
Metal
Metallo

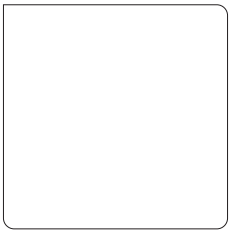
XT11022	EAN	Gr	QTY	PCB
XT10112019110	3221910895679	40	4	3
XT10112019111	3221910895686	80	4	3
XT10112019112	3221910895693	120	4	3
XT10112019113	3221910895709	180	4	3

MESH SANDING SHEET,AUTO GRIP, 95X95X95MM FOR DELTA SANDER

PATIN MALLA VELCRO | 95X95X95MM, PARA LIJADORA DELTA

PATTINO A MAGLIA VELCRATO | 95X95X95MM, PER LEVIGATRICE DELTA





Longer Life x2
sanding x2

Faster
Reduced dust

Duración de vida x 2, reducción de tiempos x 2, Menos viruta

Durata di vita x2
Minor tempo x2
Minor polvere

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

Metal
Metal
Metallo

XT11162	EAN	Gr	QTY	PCB
XT10122019010	3221910895839	40	4	3
XT10122019011	3221910895846	80	4	3
XT10122019012	3221910895853	120	4	3
XT10122019013	3221910895860	180	4	3
XT10122019014	3221910895877	1x40 2x80 1x120	4	3

XT11161	EAN	Gr	QTY	PCB
XT10121018720	3221910898816	40	5	6
XT10121018721	3221910898823	80	5	6
XT10121018722	3221910898830	120	5	6
XT10121018723	3221910898847	180	5	6
XT10121018724	3221910898854	2x40 2x80 1x120	5	6

MESH SANDING SHEET,AUTO GRIP, 105X105X105MM FOR DELTA SANDER

PATIN MALLA VELCRO | 105X105X105MM, PARA LIJADORA DELTA

PATTINO A MAGLIA VELCRATO | 105X105X105MM, PER LEVIGATRICE DELTA

Longer Life x2 sanding x2

Faster Reduced dust

Duración de vida x 2, reducción de tiempos x 2, Menos viruta

Durata di vita x2 Minor tempo x2 Minor polvere

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

Metal
Metal
Metallo

XT1152	EAN	Gr	QTY	PCB
XT10122019000	3221910895785	40	4	3
XT10122019001	3221910895792	80	4	3
XT10122019002	3221910895808	120	4	3
XT10122019003	3221910895815	180	4	3
XT10122019004	3221910895822	1x40 2x80 1x120	4	3

MESH SANDING SHEET,AUTO GRIP, 175X105MM FOR BLACK & DECKER MULTISANDER

PATIN MALLA VELCRO | 175X105MM, PARA LIJADORA MULTI BLACK & DECKER

PATTINO A MAGLIA VELCRATO | 175X105MM, PER LEVIGATRICE MULTI BLACK & DECKER

Longer Life x2 sanding x2

Faster Reduced dust

Duración de vida x 2, reducción de tiempos x 2, Menos viruta

Durata di vita x2 Minor tempo x2 Minor polvere

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

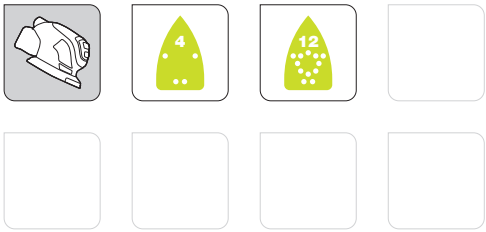
Metal
Metal
Metallo

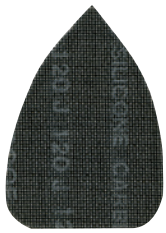
XT11112	EAN	Gr	QTY	PCB
XT10122019030	3221910895938	40	4	3
XT10122019031	3221910895945	80	4	3
XT10122019032	3221910895952	120	4	3
XT10122019033	3221910895969	180	4	3

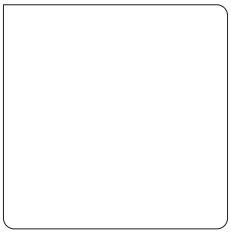
MESH SANDING SHEET,AUTO GRIP, 135X95MM FOR BLACK & DECKER MOUSE SANDER

PATIN MALLA VELCRO | 135X95MM, PARA LIJADORA MOUSE BLACK & DECKER

PATTINO A MAGLIA VELCRATO | 135X95MM, PER LEVIGATRICE MOUSE BLACK & DECKER







Longer Life x2
sanding x2

Faster
Reduced dust

Duración de vida x 2, reducción de tiempos x 2, Menos viruta

Durata di vita x2
Minor tempo x2
Minor polvere

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

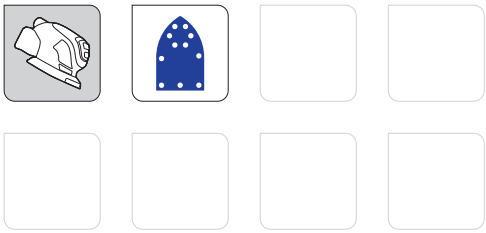
Metal
Metal
Metallo

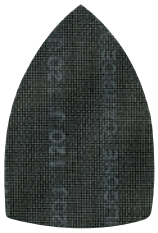
XT11132	EAN	Gr	QTY	PCB
XT10122019060	3221910896041	40	4	3
XT10122019061	3221910896058	80	4	3
XT10122019062	3221910896065	120	4	3
XT10122019063	3221910896072	180	4	3

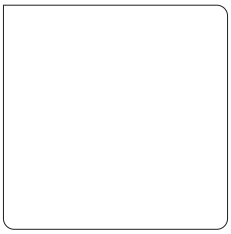
MESH SANDING SHEET,AUTO GRIP, 152X102MM FOR MULTI SANDER BOSCH/METABO

PATIN MALLA VELCRO | 152X102MM, PARA LIJADORA MULTI BOSCH/MÉTABO

PATTINO A MAGLIA VELCRATO | 152X102MM, PER LEVIGATRICE MULTI BOSCH/MÉTABO







Longer Life x2
sanding x2

Faster
Reduced dust

Duración de vida x 2, reducción de tiempos x 2, Menos viruta

Durata di vita x2
Minor tempo x2
Minor polvere

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

Metal
Metal
Metallo

XT11102	EAN	Gr	QTY	PCB
XT10122019020	3221910895884	40	4	3
XT10122019021	3221910895891	80	4	3
XT10122019022	3221910895907	120	4	3
XT10122019023	3221910895914	180	4	3
XT10122019024	3221910895921	1x40 2x80 1x120	4	3

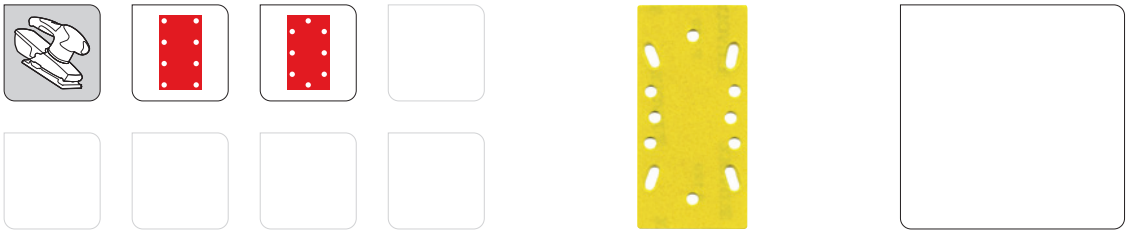
XT11101	EAN	Gr	QTY	PCB
XT10121018730	3221910898878	40	5	6
XT10121018731	3221910898885	80	5	6
XT10121018732	3221910898892	120	5	6
XT10121018733	3221910898908	180	5	6
XT10121018734	3221910898915	2x40 2x80 1x120	5	6

#11

SANDING SHEET,AUTO GRIP, 93X190MM UNIVERSAL PREPUNCH FOR ORBITAL SANDER

PATIN VELCRO | 93X190MM PERFORACIÓN UNIVERSAL, PARA LIJADORA VIBRATORIA

PATTINO AUTO AGRIPPANT | 93X190MM PERFORAZIONE UNIVERSALE, PER LEVIGATRICE



For stripping & sanding of all materials - metal,wood,parquet,paint & plastics. Quality : Yellow Alox

Para el decapado, pulido de todo tipo de materiales y metales: madera, parquet, pintura, plástico. Calidad: corindón

Per decapare, lucidatura di tutti i metalli e materiali: legno, parquets, vernici, plastica. Qualità: corendone giallo

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

Metal
Metal
Metallo

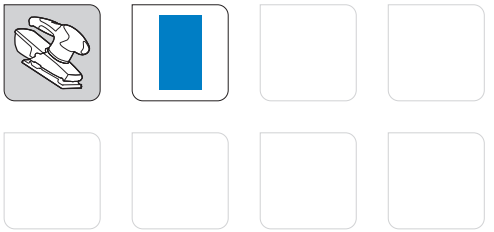
XT10092	EAN	Gr	QTY	PCB
XT10122012005	3128820120054	40	6	6
XT10122012006	3128820120061	80	6	6
XT10122012007	3128820120078	120	6	6
XT10122012008	3221910897314	180	6	6

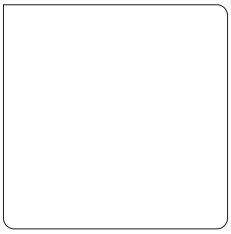
XT10091	EAN	Gr	QTY	PCB
XT10121018073	3128820180140	40	6	6
XT10121018072	3128820180133	80	6	6
XT10121018071	3128820180126	120	6	6
XT10121018070	3128820180119	180	6	6

SANDING SHEET UNPUNCHED, 93X230MM FOR ORBITAL SANDER

PATIN NO PERFORADO | 93X230MM, PARA LIJADORA VIBRATORIA

PATTINO NON PERFORATO | 93X230MM, PER LEVIGATRICE





For stripping & sanding of all materials - metal,wood,parquet,paint & plastics. Quality : Yellow Alox

Para el decapado, pulido de todo tipo de materiales y metales: madera, parquet, pintura, plástico. Calidad: corindón

Per decapare, lucidatura di tutti i metalli e materiali: legno, parquets, vernici, plastica. Qualità: corendone giallo

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

Metal
Metal
Metallo

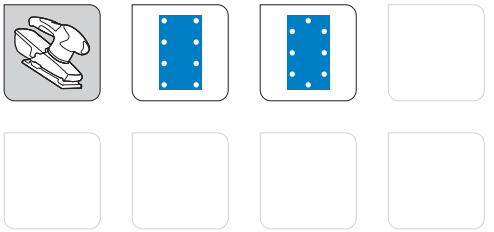
XT10052	EAN	Gr	QTY	PCB
XT10122012100	3128820121006	40	10	3
XT10122012101	3128820121013	80	10	3
XT10122012102	3128820121020	120	10	3
XT10122012103	3128820121037	180	10	3

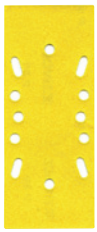
XT10051	EAN	Gr	QTY	PCB
XT10121018004	3128820180041	40	12	6
XT10121018003	3128820180034	80	12	6
XT10121018002	3128820180027	120	12	6
XT10121018001	3128820180010	180	12	6
XT10121000088	3128820000882	6x40 6x80 6x120	18	3

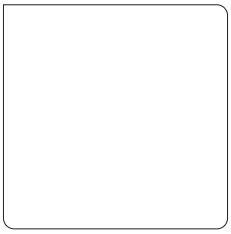
SANDING SHEET PREPUNCHED, 93X230MM UNIVERSAL PREPUNCH FOR ORBITAL SANDER

PATIN PERFORADO I 93X230MM, PERFORACIÓN UNIVERSAL, PARA LIJADORA VIBRATORIA

PATTINO PERFORATO I 93X230MM, PERFORAZIONE UNIVERSALE, PER LEVIGATRICE







For stripping & sanding of all materials - metal,wood,parquet,paint & plastics. Quality : Yellow Alox

Para el decapado, pulido de todo tipo de materiales y metales: madera, parquet, pintura, plástico. Calidad: corindón

Per decapare, lucidatura di tutti i metalli e materiali: legno, parquets, vernici, plastica. Qualità: corendone giallo

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

Metal
Metal
Metallo

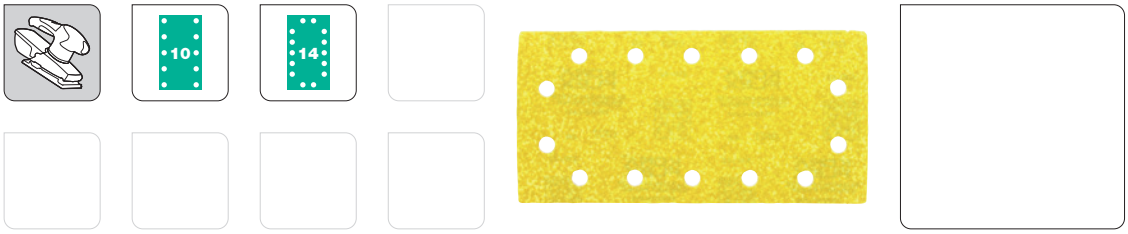
XT10062	EAN	Gr	QTY	PCB
XT10122012130	3128820121303	40	10	3
XT10122012131	3128820121310	80	10	3
XT10122012132	3128820121327	120	10	3
XT10122012133	3128820121334	180	10	3

XT10061	EAN	Gr	QTY	PCB
XT10121018013	3128820180140	40	12	6
XT10121018012	3128820180133	80	12	6
XT10121018011	3128820180126	120	12	6
XT10121018010	3128820180119	180	12	6

SANDING SHEET,AUTO GRIP, 115X230MM UNIVERSAL PRE-PUNCH FOR ORBITAL SANDER

PATIN VELCRO | 115X230MM PERFORACIÓN UNIVERSAL, PARA LIJADORA VIBRATORIA

PATTINO AUTO AGRIPPANT | 115X230MM PERFORAZIONE UNIVERSALE, PER LEVIGATRICE



For stripping & sanding of all materials - metal,wood,parquet,paint & plastics. Quality : Yellow Alox

Para el decapado, pulido de todo tipo de materiales y metales: madera, parquet, pintura, plástico. Calidad: corindón

Per decapare, lucidatura di tutti i metalli e materiali: legno, parquets, vernici, plastica. Qualità: corendone giallo

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

Metal
Metal
Metallo

XT10102	EAN	Gr	QTY	PCB
XT10122012250	3221910897321	40	6	3
XT10122012251	3221910897338	80	6	3
XT10122012252	3221910897345	120	6	3
XT10122012253	3221910897352	180	6	3

SANDING SHEET UNPUNCHED, 115X280MM FOR ORBITAL SANDER

PATIN NO PERFORADO | 115X280MM, PARA LIJADORA VIBRATORIA

PATTINO NON PERFORATO | 115X280MM, PER LEVIGATRICE

For stripping & sanding of all materials - metal,wood,parquet,paint & plastics. Quality : Yellow Alox

Para el decapado, pulido de todo tipo de materiales y metales: madera, parquet, pintura, plástico. Calidad: corindón

Per decapare, lucidatura di tutti i metalli e materiali: legno, parquets, vernici, plastica. Qualità: corendone giallo

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

Metal
Metal
Metallo

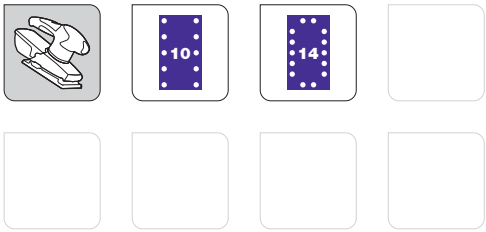
XT10072	EAN	Gr	QTY	PCB
XT10122012200	3128820122203	40	10	3
XT10122012201	3128820122010	80	10	3
XT10122012202	3128820122027	120	10	3
XT10122012203	3128820122034	180	10	3

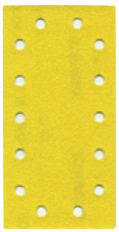
XT10071	EAN	Gr	QTY	PCB
XT10121018053	3128820180539	40	12	3
XT10121018052	3128820180522	80	12	3
XT10121018051	3128820180515	120	12	3
XT10121018050	3128820180508	180	12	3
XT10121018605	3128820186050	6x40 6x80 6x120	18	3

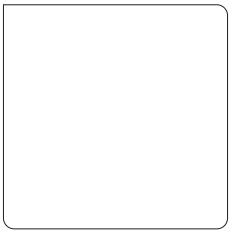
SANDING SHEET, 115X280MM UNIVERSAL PREPUNCH FOR ORBITAL SANDER

PATIN PERFORADO | 115X280MM PERFORACIÓN UNIVERSAL, PARA LIJADORA VIBRATORIA

PATTINO PERFORATO | 115X280MM PERFORAZIONE UNIVERSALE, PER LEVIGATRICE







For stripping & sanding of all materials - metal,wood,parquet,paint & plastics. Quality : Yellow Alox

Para el decapado, pulido de todo tipo de materiales y metales: madera, parquet, pintura, plástico. Calidad: corindón

Per decapare, lucidatura di tutti i metalli e materiali: legno, parquets, vernici, plastica. Qualità: corendone giallo

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

Metal
Metal
Metallo

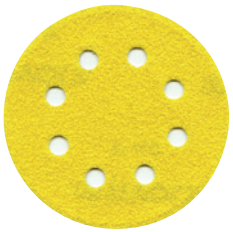
XT10082	EAN	Gr	QTY	PCB
XT10122012240	3128820122409	40	10	3
XT10122012241	3128820122416	80	10	3
XT10122012242	3128820122423	120	10	3
XT10122012243	3128820122430	180	10	3

XT10081	EAN	Gr	QTY	PCB
XT10121018063	3128820180638	40	12	3
XT10121018062	3128820180621	80	12	3
XT10121018061	3128820180614	120	12	3
XT10121018060	3128820180607	180	12	3

SANDING DISC, QUICK GRIP Ø115MM, 8 HOLES

DISCO VELCRO | Ø115MM, PERFORACIÓN 8 AGUJEROS

DISCO VELCRATO | Ø115MM, PERFORAZIONE 8 FORI



For stripping & sanding of all materials - metal,wood,parquet,paint & plastics. Quality : Yellow Alox

Para el decapado, pulido de todo tipo de materiales y metales: madera, parquet, pintura, plástico. Calidad: corindón

Per decapare, lucidatura di tutti i metalli e materiali: legno, parquets, vernici, plastica. Qualità: corendone giallo

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

Metal
Metal
Metallo

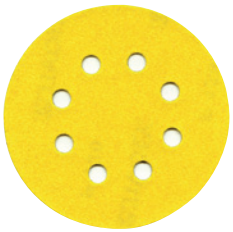
XT10022	EAN	Gr	QTY	PCB
XT10112011200	3128820112004	40	6	3
XT10112011201	3128820112011	80	6	3
XT10112011202	3128820112028	120	6	3
XT10112011203	3128820112035	180	6	3

XT10021	EAN	Gr	QTY	PCB
XT10111018202	3128820182021	40	5	3
XT10111018200	3128820182014	80	5	3
XT10111018201	3128820182007	120	5	3
XT10111018600	3128820186005	6x40 6x80 6x120	18	3

SANDING DISC, QUICK GRIP Ø125MM, 8 HOLES

DISCO VELCRO | Ø125MM, PERFORACIÓN 8 AGUJEROS

DISCO VELCRATO | Ø125MM, PERFORAZIONE 8 FORI



For stripping & sanding of all materials - metal,wood,parquet,paint & plastics. Quality : Yellow Alox

Para el decapado, pulido de todo tipo de materiales y metales: madera, parquet, pintura, plástico. Calidad: corindón

Per decapare, lucidatura di tutti i metalli e materiali: legno, parquets, vernici, plastica. Qualità: corendone giallo

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

Metal
Metal
Metallo

XT10032	EAN	Gr	QTY	PCB
XT10112011210	3128820112103	40	6	3
XT10112011211	3128820112110	80	6	3
XT10112011212	3128820112127	120	6	3
XT10112011213	3128820112134	180	6	3

XT10031	EAN	Gr	QTY	PCB
XT10111018214	3128820182144	40	5	6
XT10111018213	3128820182137	80	5	6
XT10111018212	3128820182120	120	5	6
XT10111018210	3128820182106	180	5	6
XT10131000607	3128820006075	6x40 6x80 6x120	18	3

SANDING DISC FOR DRILL, Ø127MM

DISCO ABRASIVO | Ø127MM, PARA TALADRO

DISCO ABRASIVO | Ø127MM, POUR PERCEUSE

For stripping & sanding of all materials - metal,wood,parquet,paint & plastics. Quality : Yellow Alox

Para el decapado, pulido de todo tipo de materiales y metales: madera, parquet, pintura, plástico. Calidad: corindón

Per decapare, lucidatura di tutti i metalli e materiali: legno, parquets, vernici, plastica. Qualità: corendone giallo

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

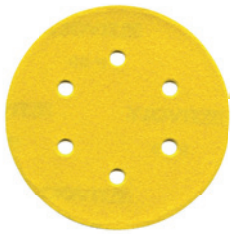
Metal
Metal
Metallo

XT10012	EAN	Gr	QTY	PCB
XT10112011001	3128820110017	40	10	3
XT10112011002	3128820110024	80	10	3
XT10112011003	3128820110031	120	10	3
XT10112011004	3128820110048	2x40 3x80 3x120	8	3

SANDING DISC, QUICK GRIP Ø150MM, 6 HOLES

DISCO VELCRO | Ø150MM, PERFORACIÓN 6 AGUJEROS

DISCO VELCRATO | Ø150MM, PERFORAZIONE 6 FORI



For stripping & sanding of all materials - metal,wood,parquet,paint & plastics. Quality : Yellow Alox

Para el decapado, pulido de todo tipo de materiales y metales: madera, parquet, pintura, plástico. Calidad: corindón

Per decapare, lucidatura di tutti i metalli e materiali: legno, parquets, vernici, plastica. Qualità: corendone giallo

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

Metal
Metal
Metallo

XT10042	EAN	Gr	QTY	PCB
XT10112011220	3128820112202	40	6	3
XT10112011221	3128820112219	80	6	3
XT10112011222	3128820112226	120	6	3
XT10112011223	3128820112233	180	6	3

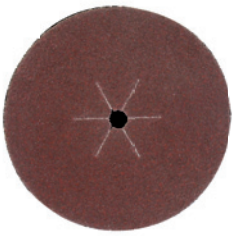
XT10041	EAN	Gr	QTY	PCB
XT10111018234	3128820182342	40	5	3
XT10111018233	3128820182335	80	5	3
XT10111018232	3128820182328	120	5	3

#11

DISC SPECIAL PROSECUTOR, Ø178MM

DISCO PARA PARQUET I Ø178MM

DISCO PER PARQUET I Ø178MM



For stripping & sanding of all materials - metal,wood,parquet,paint & plastics. Quality : Brown Alox

Para el decapado, pulido de todo tipo de materiales: madera, parquet. Calidad: corindón marrón

Per decappare e levigare tutti i materiali : legno, parquets. Qualità: corendone marron

Wood

Madera

Legno

Hard Wood

Madera dura

Legno duro

XT10221	EAN	Gr	QTY	PCB
XT10111018243	3128820182434	40	12	3
XT10111018242	3128820182427	60	12	3
XT10111018241	3128820182410	80	12	3
XT10111018240	3128820182403	120	12	3

SANDING SHEET AUTO GRIP, 95X95X95MM FOR DELTA SANDER

PATIN VELCRO I 95X95X95MM, PARA LIJADORA DELTA

PATTINO VELCRATO I 95X95X95MM, PER LEVIGATRICE DELTA

For stripping & sanding of all materials - metal,wood,parquet,paint & plastics. Quality : Yellow Alox

Para el decapado, pulido de todo tipo de materiales y metales: madera, parquet, pintura, plástico. Calidad: corindón

Per decapare, lucidatura di tutti i metalli e materiali: legno, parquets, vernici, plastica. Qualità: corendone giallo

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

Metal
Metal
Metallo

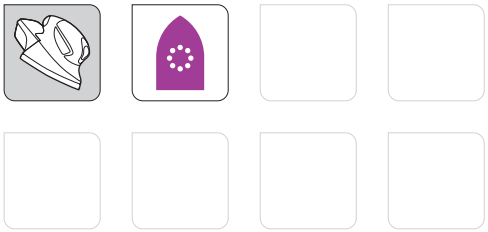
XT10202	EAN	Gr	QTY	PCB
XT10122012040	3128820120405	40	5	3
XT10122012041	3128820120412	80	5	3
XT10122012042	3128820120429	120	5	3
XT10122012043	3128820120436	180	5	3

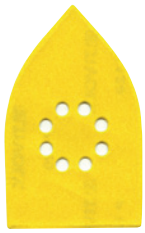
XT10201	EAN	Gr	QTY	PCB
XT10121018123	3128820181239	40	12	6
XT10121018122	3128820181222	80	12	6
XT10121018121	3128820181215	120	12	6
XT10121018120	3128820181208	180	12	6
XT10122000158	3128820001582	6x40 6x80 6x120	18	3

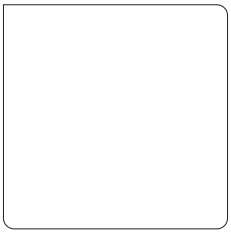
SANDING SHEET AUTO GRIP, 175X105MM FOR BLACK & DECKER MULTI SANDER

PATIN VELCRO I 175X105MM, PARA LIJADORA MULTI BLACK & DECKER

PATTINO VELCRATO I 175X105MM, PER LEVIGATRICE MULTI BLACK & DECKER







For stripping & sanding of all materials - metal,wood,parquet,paint & plastics. Quality : Yellow Alox

Para el decapado, pulido de todo tipo de materiales y metales: madera, parquet, pintura, plástico. Calidad: corindón

Per decapare, lucidatura di tutti i metalli e materiali: legno, parquets, vernici, plastica. Qualità: corendone giallo

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

Metal
Metal
Metallo

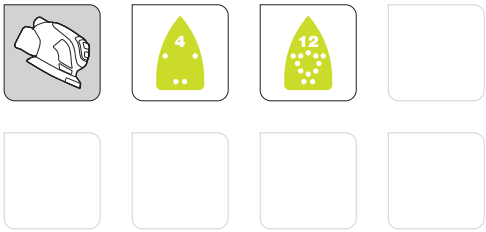
XT10182	EAN	Gr	QTY	PCB
XT10122012020	3128820120207	40	5	3
XT10122012021	3128820120214	80	5	3
XT10122012022	3128820120221	120	5	3
XT10122012023	3128820120238	180	5	3

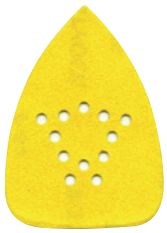
XT10181	EAN	Gr	QTY	PCB
XT10121018103	3128820181031	40	5	3
XT10121018102	3128820181024	80	5	3
XT10121018101	3128820181017	120	5	3
XT10121018100	3128820181000	180	5	3
XT10111000213	3128820003128	6x40 6x80 6x120	18	3

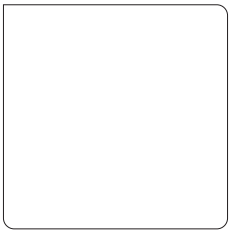
SANDING SHEET AUTO GRIP, 135X95MM FOR BLACK & DECKER MOUSE SANDER

PATIN VELCRO I 135X95MM, PARA LIJADORA MOUSE BLACK & DECKER

PATTINO VELCRATO I 135X95MM, PER LEVIGATRICE MOUSE BLACK & DECKER







For stripping & sanding of all materials - metal,wood,parquet,paint & plastics. Quality : Yellow Alox

Para el decapado, pulido de todo tipo de materiales y metales: madera, parquet, pintura, plástico. Calidad: corindón

Per decapare, lucidatura di tutti i metalli e materiali: legno, parquets, vernici, plastica. Qualità: corendone giallo

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

Metal
Metal
Metallo

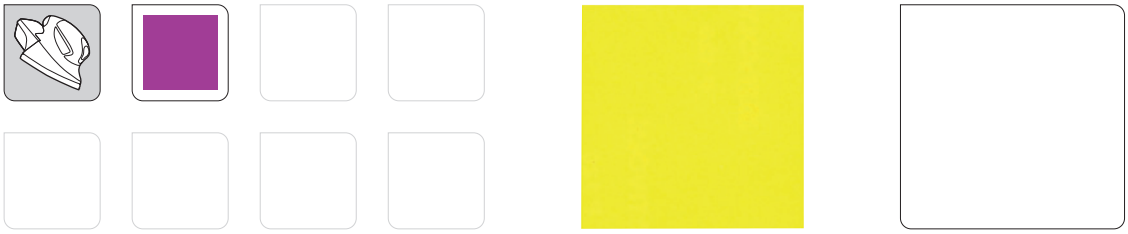
XT10192	EAN	Gr	QTY	PCB
XT10122022240	3221910897918	40	6	6
XT10122022241	3221910897925	80	6	6
XT10122022242	3221910897932	120	6	6
XT10122022243	3221910897949	180	6	6

XT10191	EAN	Gr	QTY	PCB
XT10121018110	3128820181109	40	6	3
XT10121018111	3128820181116	80	6	3
XT10121018112	3128820181123	120	6	3

SANDING SHEET AUTO GRIP, 55X55MM FOR BLACK & DECKER MULTI SANDER

PATIN VELCRO I 55X55MM, PARA LIJADORA MULTI BLACK & DECKER

PATTINO VELCRATO I 55X55MM, PER LEVIGATRICE MULTI BLACK & DECKER



For stripping & sanding of all materials - metal,wood,parquet,paint & plastics. Quality : Yellow Alox

Para el decapado, pulido de todo tipo de materiales y metales: madera, parquet, pintura, plástico. Calidad: corindón

Per decapare, lucidatura di tutti i metalli e materiali: legno, parquets, vernici, plastica. Qualità: corendone giallo

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

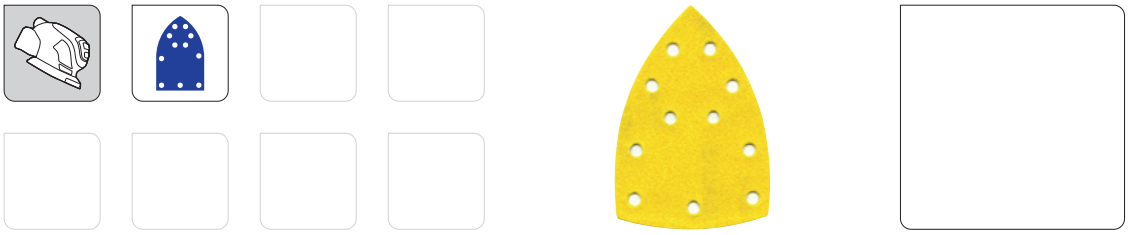
Metal
Metal
Metallo

XT10212	EAN	Gr	QTY	PCB
XT10122019041	3221910895976	80	8	3
XT10122019042	3221910895983	120	8	3
XT10122019043	3221910895990	4x80 4x120	8	3

SANDING SHEET AUTO GRIP, 152X102MM FOR BOSCH/METABO MULTI SANDER

PATIN VELCRO I 152X102MM, PARA LIJADORA MULTI BOSCH/MÉTABO

PATTINO VELCRATO I 152X102MM, PER LEVIGATRICE MULTI BOSCH/ MÉTABO



For stripping & sanding of all materials - metal,wood,parquet,paint & plastics. Quality : Yellow Alox

Para el decapado, pulido de todo tipo de materiales y metales: madera, parquet, pintura, plástico. Calidad: corindón

Per decapare, lucidatura di tutti i metalli e materiali: legno, parquets, vernici, plastica. Qualità: corendone giallo

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

Metal
Metal
Metallo

XT10172	EAN	Gr	QTY	PCB
XT10122022250	3221910897956	40	6	6
XT10122022251	3221910897963	80	6	6
XT10122022252	3221910897970	120	6	6
XT10122022253	3221910897987	180	6	6

XT10171	EAN	Gr	QTY	PCB
XT10121018130	3128820181109	40	12	3
XT10121018131	3128820181116	80	12	3
XT10121018132	3128820181123	120	12	3

#11

SANDING BELT, 13X454MM

BANDA LIMA | 13X454MM, PARA LIMA ELÉCTRICA

BANDA LIMA | 13X454MM, PER LIMA ELETTRICA

For stripping and sanding of masonry, metal, wood,parquet,paint & plastics. Quality : Alox + cloth backing

Para el decapado, pulido de todos los materiales y metales: madera, parquet, pintura, plástico. Calidad: corindón,

Per decappare e levigare di tutti i materiali e metalli : legno, parquets, vernici e plastiche. Qualità: corendone, supporto in tela

Wood

Madera

Legno

Hard Wood

Madera dura

Legno duro

Painted wood

Madera pintada

Legno verniciato

Metal

Metal

Metallo

XT11412	EAN	Gr	QTY	PCB
XT10142014001	3128820140014	50	4	3
XT10142014002	3128820140021	80	4	3
XT10142014003	3128820140038	120	4	3
XT10142014004	3128820140045	1x40 1x80 1x120	4	3

XT11411	EAN	Gr	QTY	PCB
XT10141018302	3128820183028	50	6	3
XT10141018301	3128820183011	80	6	3
XT10141018300	3128820183004	120	6	3
XT10141018606	3128820186067	2x40 2x80 2x120	6	3
XT10141000178	3128820001780	Assortment	12	3

SANDING BELT, 60X400MM

BANDA CONTINUA | 60X400MM, PARA LIJADORA DE BANDA CONTINUA

BANDA SENZA FINE | 60X400MM, PER LEVIGATRICE À BANDA SENZA FINE

For stripping and sanding of masonry, metal, wood,parquet,paint & plastics. Quality : Alox + cloth backing

Para el decapado, pulido de todos los materiales y metales: madera, parquet, pintura, plástico. Calidad: corindón,

Per decappare e levigare di tutti i materiali e metalli : legno, parquets, vernici e plastiche. Qualità: corendone, supporto in tela

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

Metal
Metal
Metallo

XT11422	EAN	Gr	QTY	PCB
XT10142014101	3128820141011	50	2	1
XT10142014102	3128820141028	80	2	1
XT10142014103	3128820141035	120	2	1

SANDING BELT, 65X410MM

BANDA CONTINUA | 65X410MM, PARA LIJADORA DE BANDA CONTINUA

BANDA SENZA FINE | 65X410MM, PER LEVIGATRICE À BANDA SENZA FINE

For stripping and sanding of masonry, metal, wood,parquet,paint & plastics. Quality : Alox + cloth backing

Para el decapado, pulido de todos los materiales y metales: madera, parquet, pintura, plástico. Calidad: corindón,

Per decappare e levigare di tutti i materiali e metalli : legno, parquets, vernici e plastiche. Qualità: corendone, supporto in tela

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

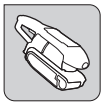
Metal
Metal
Metallo

XT11432	EAN	Gr	QTY	PCB
XT10142014111	3128820141110	50	2	1
XT10142014112	3128820141127	80	2	1
XT10142014113	3128820141134	120	2	1

SANDING BELT, 75X457MM

BANDA CONTINUA | 75X457MM, PARA LIJADORA DE BANDA CONTINUA

BANDA SENZA FINE | 75X457MM, PER LEVIGATRICE À BANDA SENZA FINE



For stripping and sanding of masonry, metal, wood,parquet,paint & plastics. Quality : Alox + cloth backing

Para el decapado, pulido de todos los materiales y metales: madera, parquet, pintura, plástico. Calidad: corindón,

Per decappare e levigare di tutti i materiali e metalli : legno, parquets, vernici e plastiche. Qualità: corendone, supporto in tela

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

Metal
Metal
Metallo

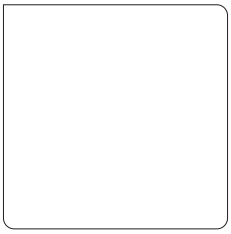
XT11442	EAN	Gr	QTY	PCB
XT10142014201	3128820142018	50	2	1
XT10142014202	3128820142025	80	2	1
XT10142014203	3128820142032	120	2	1

XT11441	EAN	Gr	QTY	PCB
XT10141018322	3128820183226	50	3	3
XT10141018321	3128820183219	80	3	3
XT10141018320	3128820183202	120	3	3
XT10141018607	3128820186074	1x40 1x80 1x120	3	3

SANDING BELT, 75X533MM

BANDA CONTINUA | 75X533MM, PARA LIJADORA DE BANDA CONTINUA

BANDA SENZA FINE | 75X533MM, PER LEVIGATRICE À BANDA SENZA FINE



For stripping and sanding of masonry, metal, wood,parquet,paint & plastics. Quality : Alox + cloth backing

Para el decapado, pulido de todos los materiales y metales: madera, parquet, pintura, plástico. Calidad: corindón,

Per decappare e levigare di tutti i materiali e metalli : legno, parquets, vernici e plastiche. Qualità: corendone, supporto in tela

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

Metal
Metal
Metallo

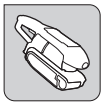
XT11452	EAN	Gr	QTY	PCB
XT10142014221	3128820142216	50	2	1
XT10142014222	3128820142223	80	2	1
XT10142014223	3128820142230	120	2	1

XT11451	EAN	Gr	QTY	PCB
XT10141018342	3128820183424	50	3	3
XT10141018341	3128820183417	80	3	3
XT10141018340	3128820183400	120	3	3
XT10141018608	3128820186081	1x40 1x80 1x120	3	3

SANDING BELT, 100X560MM

BANDA CONTINUA | 100X560MM, PARA LIJADORA DE BANDA CONTINUA

BANDA SENZA FINE | 100X560MM, PER LEVIGATRICE À BANDA SENZA FINE



For stripping and sanding of masonry, metal, wood,parquet,paint & plastics. Quality : Alox + cloth backing

Para el decapado, pulido de todos los materiales y metales: madera, parquet, pintura, plástico. Calidad: corindón,

Per decappare e levigare di tutti i materiali e metalli : legno, parquets, vernici e plastiche. Qualità: corendone, supporto in tela

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

Metal
Metal
Metallo

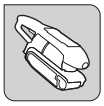
XT11462	EAN	Gr	QTY	PCB
XT10142014311	3128820143114	50	2	1
XT10142014312	3128820143121	80	2	1
XT10142014313	3128820143138	120	2	1

XT11461	EAN	Gr	QTY	PCB
XT10141018362	3128820183622	50	3	3
XT10141018361	3128820183615	80	3	3
XT10141018360	3128820183608	120	3	3

SANDING BELT, 100X610MM

BANDA CONTINUA | 100X610MM, PARA LIJADORA DE BANDA CONTINUA

BANDA SENZA FINE | 100X610MM, PER LEVIGATRICE À BANDA SENZA FINE



For stripping and sanding of masonry, metal, wood,parquet,paint & plastics. Quality : Alox + cloth backing

Para el decapado, pulido de todos los materiales y metales: madera, parquet, pintura, plástico. Calidad: corindón,

Per decappare e levigare di tutti i materiali e metalli : legno, parquets, vernici e plastiche. Qualità: corendone, supporto in tela

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

Metal
Metal
Metallo

XT11472	EAN	Gr	QTY	PCB
XT10142014321	3128820143213	50	2	1
XT10142014322	3128820143220	80	2	1
XT10142014323	3128820143237	120	2	1

XT11471	EAN	Gr	QTY	PCB
XT10141018372	3128820183721	50	3	3
XT10141018371	3128820183714	80	3	3
XT10141018370	3128820183707	120	3	3

SANDING BELT, 200X480MM

BANDA CONTINUA | 200X480MM, PARA LIJADORA DE PARQUET

BANDA SENZA FINE | 200X480MM, PER LEVIGATRICE À PARQUET

For stripping and sanding of parquet flo ors. Quality : Alox + cloth backing

Para el decapado, pulido de parquets. Calidad: soporte tela.

Per decappare e levigare dei parquets. Qualità: corendone, supporto in tela

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

XT11481	EAN	Gr	QTY	PCB
XT10141018380	3128820183806	40	1	3
XT10141018381	3128820183813	80	1	3
XT10141018382	3128820183820	100	1	3
XT10141018383	3128820183837	120	1	3

SANDING BELT, 200X750MM

BANDA CONTINUA | 200X750MM, PARA LIJADORA DE PARQUET

BANDA SENZA FINE | 200X750MM, PER LEVIGATRICE À PARQUET

For stripping and sanding of parquet floors. Quality : Alox + cloth backing

Para el decapado, pulido de parquets. Calidad: soporte tela.

Per decappare e levigare dei parquets. Qualità: corendone, supporto in tela

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

XT11491	EAN	Gr	QTY	PCB
XT10141018393	3128820183936	40	1	3
XT10141018392	3128820183929	80	1	3
XT10141018391	3128820183912	100	1	3
XT10141018390	3128820183905	120	1	3

ABRASIVE DISC - AUTOAGRIP | Ø125MM, FOR USE WITH DRILLS

DISCO VELCRO | Ø125MM, PARA TALADRO

DISCO VELCRATO | Ø125MM, PER TRAPANO

#11

For stripping and sanding of masonry, metal, wo od,parquet,paint & plastics. Quality : Alox + cloth backing

Para el decapado, lijado de todo tipo de materiales y metales: madera, parquet, pintura, plástico. Calidad: corindón

Per sverniciare, lucidatura di tutti i metalli e materiali: legno, parquet, vernici, plastica.Qualità: corendone marrone

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

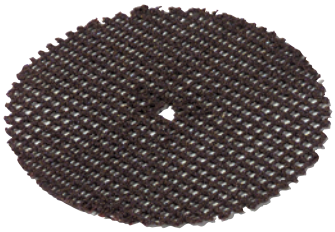
Metal
Metal
Metallo

XT12082	EAN	Gr	QTY	PCB
XT10112011110	3128820111106	40	6	3
XT10112011111	3128820111113	80	6	3
XT10112011112	3128820111120	120	6	3

MESH SANDING DISC, Ø125MM FOR ELECTRIC DRILL

DISCO MALLA ENARENADO | Ø125MM, PARA TALADRO

DISCO A MAGLIA | Ø125MM, PER TRAPANO



For stripping and sanding of masonry, metal, wood,parquet,paint & plastics. Quality : Abrasive Mesh

Para el decapado, lijado de todo tipo de materiales y metales: madera, parquet, pintura, plástico. Calidad: malla abrasiva

Per decappare, levigare tutti i metalli e materiali: legno, parquets, vernici, plastica. Qualità: maglia abrasiva

Wood
Madera
Legno

Hard Wood
Madera dura
Legno duro

Painted wood
Madera pintada
Legno verniciato

Metal
Metal
Metallo

XT11172	EAN	Gr	QTY	PCB
XT10112011033	3128820110338	40	1	3
XT10112011034	3128820110345	120	1	3

TUNGSTEN CARBIDE DISC, Ø125MM FOR ELECTRIC DRILL

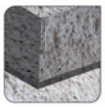
DISCO CARBURO DE TUNGSTENO | Ø125MM, PARA TALADRO

DISCO CARBURO DE TUNGSTENO | Ø125MM, PER TRAPANO

For polyester, resins,plaster,stone, fibro-cement, mouldings, wood, fillers, breeze block & rubber.

Para trabajar el poliéster, resinas, escayola, piedras diversas, fibro-cemento,

Per lavorare resine poliestere, gesso, pietre varie, fibro cemento, cemento colato, legno, gesso, paraurti, gomma, ...



Concrete
Hormigón
Cemento

Mortar
Mortero
Malta

Brick
ladrillo
Mattone

Plaster
Escayola
Intonaco

XT11182	EAN	Gr	QTY	PCB
XT10112011035	3128820110352	40	1	3
XT10112011036	3128820110369	80	1	3

NYLON COMPRESSED TO WHEEL, FOR ELECTRIC DRILL, SHANK 6MM

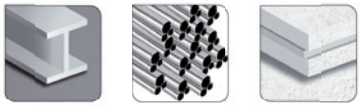
RUEDA NYLON COMPRIMIDA | Ø75MM, PARA TALADRO. 6MM

RUOTA NYLON COMPRESSE | Ø75MM, PER TRAPANO. 6MM

XT10152015024

3128820150242

QTY	PCB	€
1	3	



For all deburring, brushing, & glazing , elimination of scratches, shaping, weld cleaning, paint removal, polishing, rust removal

Para todos los trabajos de desbarbado, cepillado, satinado, eliminación de arañazos, acabado perfecto de uniones, eliminación de pinturas, pulido, elimina-

Per tutti i lavori di sbavatura, spazzolatura, satinatura, la rimozione d'impurità, strutturazione, finitura perfetta sui giunti saldati, sverniciatura, lucidatura, rimozione

HALF BALL FLAP WHELL FOR DRILL

SEMICÍRCULO DE LÁMINAS | LÁMINAS ABRASIVAS, PARA TALADRO,

MEZZO RICCIO | LAMELLE ABRASIVE, PER TRAPANO, ASSE DA 6MM

XT10151515028

3128825150285

QTY	PCB	€
1	40	

For all cleaning & finishing of areas with limited/awkward access

Para todos los trabajos de limpieza y de acabado de superficies de difícil acceso.

Per tutti i lavori di pulitura e finitura su superfici di difficile accesso

ABRASIVE FLAP WHEEL FOR ELECTRIC DRILL, SHANK 6MM

RUEDA DE LÁMINAS ABRASIVAS | PARA TALADRO, VÁSTAGO DE 6MM

RUOTA A LAMELLE ABRASIVE | PER TRAPANO, ASSE DA 6MM

XT10152015029

3128820150297

QTY	PCB	€
1	3	

For all cleaning & finishing of areas with limited/awkward access

Para todo tipo de trabajos de limpieza y de acabado de superficies de difícil acceso.

Per tutti i lavori di pulitura e finitura su superfici di difficile accesso

ABRASIVE FLAP WHEEL FOR ELECTRIC DRILL, SHANK 6MM

RUEDA DE LÁMINAS ABRASIVAS | PARA TALADRO, VÁSTAGO DE 6MM

RUOTA A LAMELLE ABRASIVE | PER TRAPANO, ASSE DA 6MM

For working on profiled workpieces & hollow surfaces

Para tratamiento de piezas perfiladas, superficies interiores.

Per tutti i trattamenti di superfici interne

Metal
Metal
Metallo

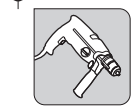
Wood
Madera
Legno

XT11722	EAN	Ø	L	Gr	QTY	PCB
XT10152015030	3128820150303	60	15	60	1	3
XT10152015031	3128820150310	60	15	120	1	3

ABRASIVE FLAP WHEEL FOR ELECTRIC DRILL, SHANK 6MM

RUEDA DE LÁMINAS ABRASIVAS I PARA TALADRO, VÁSTAGO DE 6MM

RUOTA A LAMELLE ABRASIVE I PER TRAPANO, ASSE DA 6MM



For working on profiled workpieces & hollow surfaces

Para tratamiento de piezas perfiladas, superficies interiores.

Per tutti i trattamenti di superfici interne

Metal
Metal
Metallo

Wood
Madera
Legno

XT11732	EAN	Ø	L	Gr	QTY	PCB
XT10152015032	3128820150327	60	30	60	1	3
XT10152015033	3128820150334	60	30	120	1	3

ABRASIVE FLAP WHEEL FOR ELECTRIC DRILL, SHANK 6MM

RUEDA DE LÁMINAS ABRASIVAS I PARA TALADRO, VÁSTAGO DE 6MM

RUOTA A LAMELLE ABRASIVE I PER TRAPANO, ASSE DA 6MM

For working on profiled workpieces & hollow surfaces

Para tratamiento de piezas perfiladas, superficies interiores.

Per tutti i trattamenti di superfici interne

Metal
Metal
Metallo

Wood
Madera
Legno

XT11742	EAN	Ø	L	Gr	QTY	PCB
XT10152015034	3128820150341	60	30	80	1	3
XT10152015035	3128820150358	60	30	180	1	3

ABRASIVE FLAP WHEEL FOR ELECTRIC DRILL, SHANK 6MM

RUEDA DE LÁMINAS ABRASIVAS | PARA TALADRO, VÁSTAGO DE 6MM

RUOTA A LAMELLE ABRASIVE | PER TRAPANO, ASSE DA 6MM

XT10152015036

3128820150365

QTY	PCB	€
1	3	

For working on profiled workpieces & hollow surfaces

Para tratamiento de piezas perfiladas, superficies interiores.

Per tutti i trattamenti di superfici interne

BACKING PAD FOR ANGLE GRINDER, M14

RUEDA DE LÁMINAS ABRASIVAS | PARA TALADRO, VÁSTAGO DE 6MM

PLATORELLO A LEVIGARE GOMMA | PER SMERIGLIATRICE, ALESAGGIO

XT10152015037

3128820150372

QTY	PCB	€
1	3	

Backing pad for fibre backed & semi flexible discs.

Plato de lijado para disco de fibra y disco semi-rígido

Platorello a levigare per disco fibra e disco semi rigido

ABRASVIE WHEEL FOR ELECTRIC DRILL, SHANK 6MM

DISCO MOUSSE ABRASIVO | PARA TALADRO, VÁSTAGO DE 6MM

RUOTA SCHIUMA ABRASIVE | PER TRAPANO, ASSE DA 6MM

For working on metal surfaces . Open material structure reduces rate of clogging.

Para todo tipo de tratamientos de superficies de metal. La estructura abierta evita el embotamiento prematuro del material

Per il trattamento di superfici in metallo. La sua struttura spugnosa evita al materiale di incrostarla.

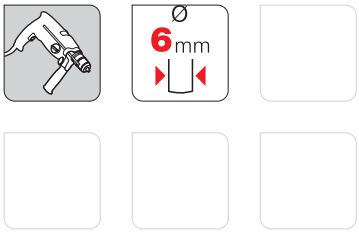
Metal

Metal

Metallo

XT11802	EAN	Ø	L	Gr	QTY	PCB
XT10152015038	3128820150389	100	45	80	1	3
XT10151515038	3128825150384	100	45	80	1	10

ABRASIVE WHEEL FOR ELECTRIC DRILL, SHANK 6MM



For working on metal surfaces . Open material structure reduces rate of clogging.

DISCO MOUSSE ABRASIVO I PARA TALADRO, VÁSTAGO DE 6MM

Para todo tipo de tratamientos de superficies de metal. La estructura abierta evita el embotamiento prematuro del material

RUOTA SCHIUMA ABRASIVE I PER TRAPANO, ASSE DA 6MM

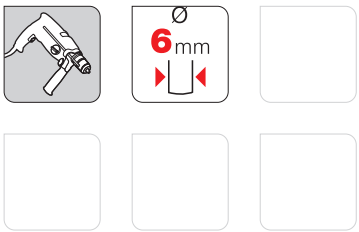
XT10152015039

3128820150396

QTY	PCB	€
1	3	

Per il trattamento di superfici in metallo. La sua struttura spugnosa evita al materiale di incrostarla.

ABRASIVE WHEEL I FOR ELECTRIC DRILL, 6MM SHANK 6MM



For working on metal surfaces . Open material structure reduces rate of clogging.

DISCO MOUSSE ABRASIVO I PARA TALADRO, VÁSTAGO DE 6MM

Para todo tipo de tratamientos de superficies de metal. La estructura abierta evita el embotamiento prematuro del material

RUOTA SCHIUMA ABRASIVE I PER TRAPANO, ASSE DA 6MM

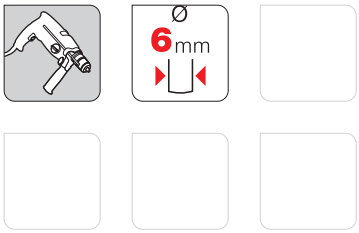
XT10152015040

3128820150402

QTY	PCB	€
1	3	

Per il trattamento di superfici in metallo. La sua struttura spugnosa evita al materiale di incrostarla.

ABRASVIE WHEEL FOR ELECTRIC DRILL, SHANK 6MM



For working on metal surfaces . Open material structure reduces rate of clogging.

DISCO MOUSSE ABRASIVO I PARA TALADRO, VÁSTAGO DE 6MM

Para todo tipo de tratamientos de superficies de metal. La estructura abierta evita el embotamiento prematuro del material

RUOTA SCHIUMA ABRASIVE I PER TRAPANO, ASSE DA 6MM

Per il trattamento di superfici in metallo. La sua struttura spugnosa evita al materiale di incrostarla.

Metal

Metal

Metallo

XT11812	EAN	Ø	L	Gr	QTY	PCB
XT10152015041	3128820150419	127	13	80	1	3

ABRASVIE WHEEL FOR ELECTRIC DRILL, SHANK 6MM

For working on metal surfaces . Open material structure reduces rate of clogging.

DISCO MOUSSE ABRASIVO I PARA TALADRO, VÁSTAGO DE 6MM

Para todo tipo de tratamientos de superficies de metal. La estructura abierta evita el embotamiento prematuro del material

RUOTA SCHIUMA ABRASIVE I PER TRAPANO, ASSE DA 6MM

XT10152015042

3128820150426

QTY	PCB	€
1	3	

Per il trattamento di superfici in metallo. La sua struttura spugnosa evita al materiale di incrostarla.

ABRASVIE WHEEL FOR ELECTRIC DRILL, SHANK 6MM

For working on metal surfaces . Open material structure reduces rate of clogging.

DISCO MOUSSE ABRASIVO I PARA TALADRO, VÁSTAGO DE 6MM

Para todo tipo de tratamientos de superficies de metal. La estructura abierta evita el embotamiento prematuro del material

RUOTA SCHIUMA ABRASIVE I PER TRAPANO, ASSE DA 6MM

XT10152015043

3128820150433

QTY	PCB	€
1	3	

Per il trattamento di superfici in metallo. La sua struttura spugnosa evita al materiale di incrostarla.

ZIRCONIUM OXIDE FIBRE DISC, FOR ANGLE GRINDER

Universal product for metal working

DISCO FIBRA ZIRCONIO I PARA AMOLADORA

Producto universal para trabajar el metal.

DISCO FIBRA ZIRCONIUM I PER SMERIGLIATRICE

Prodotto universale per i lavori del metallo

Metal

Metal

Metallo

XT10232	EAN	Ø	Al	Gr	QTY	PCB
XT10112011320	3128820113209	115	22,23	24	2	3
XT10112011321	3128820113216	115	22,23	50	2	3
XT10112011322	3128820113223	115	22,23	80	2	3

XT10231	EAN	Ø	Al	Gr	QTY	PCB
XT10111018263	3128820182632	115	22,23	24	5	3
XT10111018262	3128820182625	115	22,23	50	5	3
XT10111018261	3128820182618	115	22,23	80	5	3
XT10111018260	3128820182601	115	22,23	120	5	3

#11

ZIRCONIUM OXIDE FIBRE DISC, FOR ANGLE GRINDER

DISCO FIBRA ZIRCONIO I PARA AMOLADORA

DISCO FIBRA ZIRCONIUM I PER SMERIGLIATRICE

Universal product for metal working

Producto universal para trabajar el metal.

Prodotto universale per i lavori del metallo

Metal

Metal

Metallo

XT10242	EAN	Ø	Al	Gr	QTY	PCB
XT10112011325	3128820113254	125	22,23	24	2	3
XT10112011326	3128820113261	125	22,23	50	2	3
XT10112011327	3128820113278	125	22,23	80	2	3

XT10241	EAN	Ø	Al	Gr	QTY	PCB
XT10111018273	3128820182731	125	22,23	24	5	3
XT10111018272	3128820182724	125	22,23	50	5	3
XT10111018271	3128820182717	125	22,23	80	5	3
XT10111018270	3128820182700	125	22,23	120	5	3

ZIRCONIUM OXIDE FIBRE DISC, FOR ANGLE GRINDER

DISCO FIBRA ZIRCONIO | PARA AMOLADORA

DISCO FIBRA ZIRCONIUM | PER SMERIGLIATRICE

Universal product for metal working

Producto universal para trabajar el metal.

Prodotto universale per i lavori del metallo

Metal
Metal
Metallo

XT10252	EAN	Ø	Al	Gr	QTY	PCB
XT10112011330	3128820113308	180	22,23	24	2	3
XT10112011331	3128820113315	180	22,23	50	2	3
XT10112011332	3128820113322	180	22,23	80	2	3

TUNGSTENE CARBIDE DISC, FOR ANGLE GRINDER

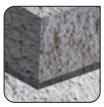
DISCO CARBURO DE TUNGSTENO | PARA AMOLADORA

DISCO CARBURO DI TUNGSTENO | PER SMERIGLIATRICE

Universal product for masonry surfaces

Producto universal para trabajar superficies de hormigón.

Prodotto Universale per lavori di superfici in calcestruzzo



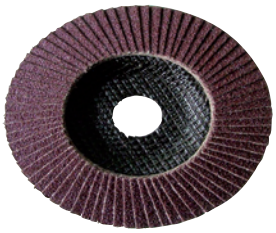
Concrete
Hormigón
Cemento

XT10372	EAN	Ø	Al	Gr	QTY	PCB
XT10112011310	3128820113100	117	22,23	40	1	3
XT10112011311	3128820113117	117	22,23	80	1	3

ALUMINIUM OXIDE FLAP DISC, FOR ANGLE GRINDER

DISCO LÁMINAS CORINDÓN I PARA AMOLADORA

DISCO LAMELLE CORENDONE, I PER SMERIGLIATRICE



Fibre backed flap disc - extremely long life due to even wear rate of the backing plate & abrasive strips .

Disco de láminas de fibra, duración de vida extremadamente larga gracias al desgaste simultáneo de las láminas y la fibra.

Disco a lamelle supporto in fibra, durata estremamente lunga a causa dell'usura sia del supporto e delle lamelle.

Metal
Metal
Metallo

Stainless Steel
Aceros inoxidables
Acciai inossidabili

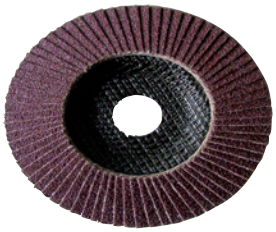
Wood
Madera
Legno

XT10381	EAN	Ø	Al	Gr	QTY	PCB
XT10111511115	3128825111156	115	22,23	40	1	40

ALUMINIUM OXIDE FLAP DISC, FOR ANGLE GRINDER

DISCO LÁMINAS CORINDÓN I PARA AMOLADORA

DISCO LAMELLE CORENDONE, I PER SMERIGLIATRICE



Fibre backed flap disc - extremely long life due to even wear rate of the backing plate & abrasive strips .

Disco de láminas de fibra, duración de vida extremadamente larga gracias al desgaste simultáneo de las láminas y la fibra.

Disco a lamelle supporto in fibra, durata estremamente lunga a causa dell'usura sia del supporto e delle lamelle.

Metal
Metal
Metallo

Stainless Steel
Aceros inoxidables
Acciai inossidabili

Wood
Madera
Legno

XT10381	EAN	Ø	Al	Gr	QTY	PCB
XT10111511125	3128825111255	125	22,23	40	1	40

ZIRCONIUM FLAP DISC, FOR ANGLE GRINDER

DISCO LÁMINAS ZIRCONIO I PARA AMOLADORA

DISCO LAMELLE ZIRCONIUM I PER SMERIGLIATRICE

Fibre backed flap disc - extremely long life due to even wear rate of the backing plate & abrasive strips .

Disco de láminas de fibra, duración de vida extremadamente larga gracias al desgaste simultáneo de las láminas y la fibra.

Disco a lamelle con supporto in fibra, durata estremamente lunga a causa dell'usura simultanea del supporto e delle lamelle.

Metal
Metal
Metallo

Stainless Steel
Aceros inoxidables
Acciai inossidabili

XT10262	EAN	Ø	Al	Gr	QTY	PCB
XT10112011340	3128820113407	115	22,23	36	1	3
XT10112011341	3128820113414	115	22,23	50	1	3
XT10112011342	3128820113421	115	22,23	80	1	3

ZIRCONIUM FLAP DISC, FOR ANGLE GRINDER

DISCO LÁMINAS ZIRCONIO I PARA AMOLADORA

DISCO LAMELLE ZIRCONIUM I PER SMERIGLIATRICE

Fibre backed flap disc - extremely long life due to even wear rate of the backing plate & abrasive strips.

Disco de láminas de fibra, duración de vida extremadamente larga gracias al desgaste simultáneo de las láminas y la fibra.

Disco a lamelle con supporto in fibra, durata estremamente lunga a causa dell'usura simultanea del supporto e delle lamelle.

Metal
Metal
Metallo

Stainless Steel
Aceros inoxidables
Acciai inossidabili

XT10272	EAN	Ø	Al	Gr	QTY	PCB
XT10112011343	3128820113438	125	22,23	36	1	3
XT10112011344	3128820113445	125	22,23	50	1	3
XT10112011345	3128820113452	125	22,23	80	1	3

COMBINATION ALUMINIUM OXIDE FLAP DISC, FOR ANGLE GRINDER

DISCO LÁMINAS COMBINADO | PARA AMOLADORA

DISCO LAMELLE COMBINATE | PER SMERIGLIATRICE

Fibre backed flap disc - for an excellent finish & fast sanding action - limited material removal.

Disco de láminas de fibra, duración de vida extremadamente larga gracias al desgaste simultáneo de las láminas y la fibra.

Dischi di finitura per ottenere un'ottima superficie in un tempo molto breve con asportazione limitata.

Metal
Metal
Metallo

Stainless Steel
Aceros inoxidables
Acciai inossidabili

XT10281	EAN	Ø	Al	Gr	QTY	PCB
XT10111511350	3128825113501	115	22,23	80	1	20
XT10112011350	3128820113803	115	22,23	80	1	3
XT10111511380	3128825113808	115	22,23	120	1	20
XT10112011380	3128820113803	115	22,23	120	1	3

COMBINATION ALUMINIUM OXIDE FLAP DISC, FOR ANGLE GRINDER

DISCO LÁMINAS COMBINADO | PARA AMOLADORA

DISCO LAMELLE COMBINE | PER SMERIGLIATRICE

Fibre backed flap disc - for an excellent finish & fast sanding action - limited material removal.

disco de acabado con láminas que permite obtener un excelente acabado en tiempo óptimo.

Dischi di finitura per ottenere un'ottima superficie in un tempo molto breve con asportazione limitata.

Metal
Metal
Metallo

Stainless Steel
Aceros inoxidables
Acciai inossidabili

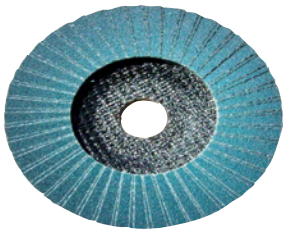
XT10292	EAN	Ø	Al	Gr	QTY	PCB
XT10112011360	3128820113605	125	22,23	80	1	3
XT10112011390	3128820113902	125	22,23	120	1	3

XT10291	EAN	Ø	Al	Gr	QTY	PCB
XT10111511360	3128825113600	125	22,23	80	1	20
XT10111511390	3128825113907	125	22,23	120	1	20

EXTRA LARGE ZIRCONIUM FLAP DISC, FOR ANGLE GRINDER

DISCO LÁMINAS DOBLES SOBRE-DIMENSIONADAS | ZIRCONIO, PARA AMOLADORA

DISCO LAMELLE DOPPIE | ZIRCO-NIUM, PER SMERIGLIATRICE



Fibre backed flap disc - for an excellent finish & fast sanding action - limited material removal. Ideal for producing a consistent quality.

Disco de acabado con láminas que permite obtener un excelente acabado en muy poco tiempo.

Dischi di finitura per ottenere un'ottima superficie in un tempo molto breve con asportazione limitata.

Metal
Metal
Metallo

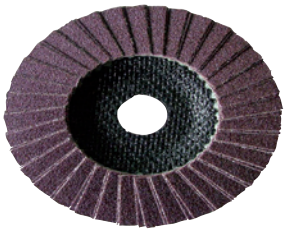
Stainless Steel
Aceros inoxidables
Acciai inossidabili

XT10312	EAN	Ø	Al	Gr	QTY	PCB
XT10112011405	3128820114053	115	22,23	40	1	3
XT10111511405	3128825114058	115	22,23	40	1	30

EXTRA LARGE ALUMINIUM OXIDE FLAP DISC, FOR ANGLE GRINDER

DISCO LÁMINAS DOBLES SOBREDI-MENSIONADAS | CORINDÓN, PARA AMOLADORA

DISCO LAMELLE DOPPIE | COREN-DONE, PER SMERIGLIATRICE



Fibre backed flap disc - for an excellent finish & fast sanding action - limited material removal.

disco de acabado con láminas que permite obtener un excelente acabado en muy poco tiempo.

Dischi di finitura per ottenere un'ottima superficie in un tempo molto breve con asportazione limitata.

Wood
Madera
Legno

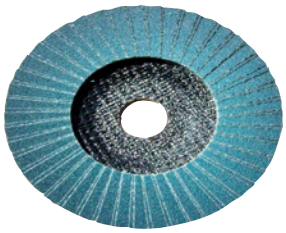
Metal
Metal
Metallo

XT10341	EAN	Ø	Al	Gr	QTY	PCB
XT10111511400	3128825114003	115	22,23	40	1	30

EXTRA LARGE ZIRCONIUM FLAP DISC, FOR ANGLE GRINDER

DISCO LÁMINAS DOBLES SOBREDIMENSIONADOS | ZIRCONIO, PARA AMOLADORA

DISCO LAMELLE DOPPIE | ZIRCONIUM, PER SMERIGLIATRICE



Fibre backed flap disc - for an excellent finish & fast sanding action - limited material removal.

disco de acabado con láminas que permite obtener un excelente acabado en muy poco tiempo.

Dischi di finitura per ottenere un'ottima superficie in un tempo molto breve con asportazione limitata.

Metal
Metal
Metallo

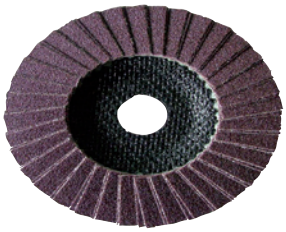
Stainless Steel
Aceros inoxidables
Acciai inossidabili

XT10362	EAN	Ø	Al	Gr	QTY	PCB
XT10112011425	3128820114251	125	22,23	40	1	3
XT10111511425	3128825114256	125	22,23	40	1	30

EXTRA LARGE ALUMINIUM OXIDE FLAP DISC, FOR ANGLE GRINDER

DISCO LÁMINAS DOBLES SOBREDIMENSIONADAS | CORINDÓN, PARA AMOLADORA

DISCO LAMELLE DOPPIE | CORENDONE, PER SMERIGLIATRICE



Fibre backed flap disc - for an excellent finish & fast sanding action - limited material removal.

disco de acabado con láminas que permite obtener un excelente acabado en muy poco tiempo.

Dischi di finitura per ottenere un'ottima superficie in un tempo molto breve con asportazione limitata.

Wood
Madera
Legno

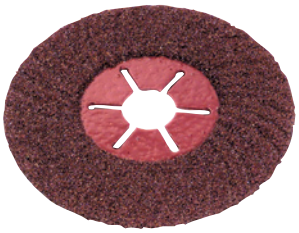
Metal
Metal
Metallo

XT10351	EAN	Ø	Al	Gr	QTY	PCB
XT10111511420	3128825114201	125	22,23	40	1	30

SEMI FLEXIBLE DISC FOR ANGLE GRINDER

HALBSTARRE SCHEIBE | F. SCHLEIFER

DISCO SEMI RIGIDO | PER SMERIGLIATRICE



Reinforced fibre backed disc - tear resistant. For all heavy duty tasks on flat surfaces: polishing,sanding,keying, stripping.

Soporte de fibra reforzado semiflexible irrompible. Para trabajos intensivos sobre superficies planas: pulir, lijar, alisar, decapar.

Supportoin fibra rinforzato semi-flessibile. Per tutti i lavori intensivi su superfici piane: lucidatura, levigatura, decapaggio.

Metal
Metal
Metallo

Stainless Steel
Aceros inoxidables
Acciai inossidabili

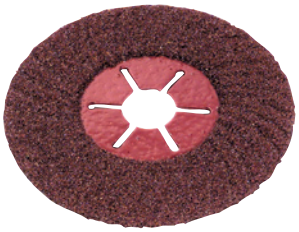
Wood
Madera
Legno

XT10311	EAN	Ø	Al	Gr	QTY	PCB
XT10111511300	3128825113006	115	22,23	36	2	15
XT10112011300	3128820113001	115	22,23	36	1	3
XT10112011301	3128820113018	115	22,23	80	1	3

SEMI FLEXIBLE DISC FOR ANGLE GRINDER

DISCO SEMI RÍGIDO | PARA AMOLADORA

DISCO SEMI RIGIDO | PER SMERIGLIATRICE



Reinforced fibre backed disc - tear resistant. For all heavy duty tasks on flat surfaces: polishing,sanding,keying, stripping.

Soporte de fibra reforzado semiflexible irrompible. Para trabajos intensivos sobre superficies planas: pulir, lijar, alisar, decapar.

Supportoin fibra rinforzato semi-flessibile. Per tutti i lavori intensivi su superfici piane: lucidatura, levigatura, decapaggio.

Metal
Metal
Metallo

XT10321	EAN	Ø	Al	Gr	QTY	PCB
XT10111511302	3128825113020	125	22,23	36	2	15
XT10112011302	3128820113025	125	22,23	36	1	3
XT10111511322	3221910897741	125	22,23	36	1	6
XT10112011303	3128820113032	125	22,23	80	1	3
XT10111511324	3221910897758	125	22,23	80	1	6

SEMI FLEXIBLE DISC FOR ANGLE GRINDER

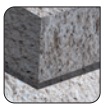
DISCO SEMI RÍGIDO | PARA AMOLADORA

DISCO SEMI RIGIDO | PER SMERIGLIATRICE

Reinforced fibre backed disc - tear resistant. For all heavy duty tasks on flat surfaces: polishing,sanding,keying, stripping.

Soporte de fibra reforzado semiflexible irrompible. Para trabajos intensivos sobre superficies planas: pulir, lijar, alisar, decapar.

Supportoin fibra rinforzato semi-flessibile. Per tutti i lavori intensivi su superfici piane: lucidatura, levigatura, decapaggio



Concrete
Hormigón
Cemento

XT10331	EAN	Ø	Al	Gr	QTY	PCB
XT10111511332	3221910897765	180	22,23	36	1	3
XT10112011304	3128820113049	180	22,23	36	1	3
XT10111511334	3221910897772	180	22,23	80	1	3
XT10112011305	3128820113056	180	22,23	80	1	3

FELT POLISHING DISC FOR ELECTRIC DRILL

DISCO FIELTRO PARA PULIR | PARA TALADRO

DISCO FELTRO PER LUCIDARE | PER TRAPANO

XT10152015045

3128820150457

QTY	PCB	€
1	3	

For buffing of all types of materials

Para abrillantar sobre todo tipo de soportes.

Per brillare su tutti i tipi di supporto

COTTON POLISHING DISC FOR ELECTRIC DRILL

DISCO ALGODÓN PARA PULIR | PARA TALADRO

DISCO COTONE PER LUCIDARE | PER TRAPANO

XT10152015046

3128820150464

QTY	PCB	€
1	3	

For buffing of all types of materials

Para abrillantar sobre todo tipo de soportes.

Per brillare su tutti i tipi di supporto

BUFFING BONNET FOR ELECTRIC DRILL

BONETE PARA LUSTRAR | PARA TALADRO

BERRETTO A LUCIDARE | PER TRAPANO

For polishing of all types of materials

Para pulir sobre todo tipo de soportes.

Per lucidare su tutti i tipi di supporto

Metal
Metal
Metallo

Stainless Steel
Aceros inoxidables
Acciai inossidabili

Wood
Madera
Legno

XT11932	EAN	Ø	QTY	PCB
XT10152015050	3128820150501	125	1	3

XT11931	EAN	Ø	QTY	PCB
XT10161018505	3128820185053	125	1	10

COTTON POLISHING DISC FOR ELECTRIC DRILL, AUTO GRIP

DISCO ALGODÓN PARA PULIR | PARA TALADRO, VELCRO

DISCO COTON PER LUCIDARE | PER TRAPANO, VELCRATO

For polishing of all types of materials

Para pulir sobre todo tipo de soportes.

Per lucidare su tutti i tipi di supporto

Metal
Metal
Metallo

Stainless Steel
Aceros inoxidables
Acciai inossidabili

Wood
Madera
Legno

XT11942	EAN	Ø	QTY	PCB
XT10152015052	3128820150525	125	1	3

XT11941	EAN	Ø	QTY	PCB
XT10161018506	3128820185060	125	1	10

#11

POLISHING COMPOUNDS

PASTA PARA ABRILLANTAR Y PULIR

PASTA A RAVVIVARE E PER LUCIDARE

For pre polishing (brown) & finishing (blue) of metals & non ferrous metals

Para todo tipo de trabajos de pulido (marrón) y acabado (azul) sobre metales y metales no ferrosos.

Per tutti i lavori di pre lucidatura (marron) e di finitura (blu) sui metalli e non.

Metal

Metal

Metallo

Stainless Steel

Aceros inoxidables

Acciai inossidabili

XT11922	EAN	QTY	PCB
XT10152015048	3128820150488	2	3
XT10152015049	3128820150495	2	3

SANDING PAD

PLATO PULIDO CAUCHO

PLATORELLO A LEVIGARE GOMMA

Backing pad for abrasive fibre discs & ROS discs (with bore)

Plato de lijado para disco de fibra y patín abrasivo excéntrico con tuerca

Platorello a levigare per disco fibra e pattino abrasivo con alesaggio

XT11622	EAN		QTY	PCB
XT10162016045	3221912006684	95x95x95	1	1

XT11622	EAN	Ø	QTY	PCB
XT10162016040	3221912006714	125	1	1

#11

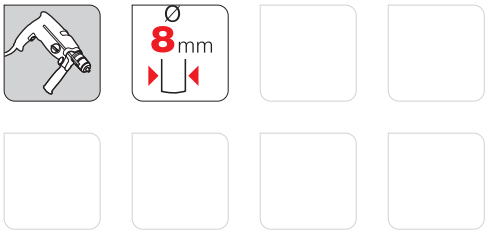
XT11622	EAN	Ø	QTY	PCB
XT10162016041	3221912006721	150	1	1

XT11621	EAN	Ø	QTY	PCB
XT10161018500	3128820185008	125	1	10
XT10162016001	3128820160012	125	1	3

AUTO GRIP BACKING PAD FOR ELECTRIC DRILL, SHANK 8MM

PLATO PULIDO VELCRO CAUCHO | PARA TALADRO, VÁSTAGO 8MM

PLATORELLO A LEVIGARE VELCRATO GOMMA | PER TRAPANO, ASSE 8MM



Autogrip Backing pad for abrasive discs

Plato de lijado para disco abrasivo con velcro

Platorello a levigare per disco abrasivo velcrato

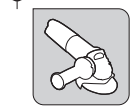
XT11632	EAN	Ø	QTY	PCB
XT10162016004	3128820160043	125	1	3

XT11631	EAN	Ø	QTY	PCB
XT10161018501	3128820185015	125	1	10

BACKING PAD FOR ANGLE GRINDER, M14

PLATO PULIDO CAUCHO | PARA AMOLADORA, TORNILLO M15

PLATORELLO A LEVIGARE GOMMA | PER SMERIGLIATRICE, ALESAGGIO M14



Backing pad for abrasive fibre & semi flexible discs

Plato de lijado para disco de fibra y disco semi-rígido

Platorello a levigare per disco fibra e disco semi rigido

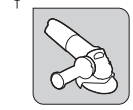
XT11642	EAN	Ø	AI	QTY	PCB
XT10162016010	3128820160104	115	M14	1	3

XT11641	EAN	Ø	AI	QTY	PCB
XT10161018502	3128820185022	115	M14	1	10

BACKING PAD FOR ANGLE GRINDER, M14

PLATO PULIDO CAUCHO | PARA AMOLADORA, TORNILLO M17

PLATORELLO A LEVIGARE GOMMA | PER SMERIGLIATRICE, ALESAGGIO M14



Backing pad for abrasive fibre & semi flexible discs

Plato de lijado para disco de fibra y disco semi-rígido

Platorello a levigare per disco fibra e disco semi rigido

XT11652	EAN	Ø	AI	QTY	PCB
XT10162016011	3128820160111	125	M14	1	3

XT11651	EAN	Ø	AI	QTY	PCB
XT10161018503	3128820185039	125	M14	1	10

AUTO GRIP BACKING PAD FOR ANGLE GRINDER, M14

PLATO PULIDO VELCRO CAUCHO | PARA AMOLADORA, TUERCA M14

PLATORELLO A LEVIGARE VELCRATO GOMMA | PER SMERIGLIATRICE, ALESAGGIO M14

Autogrip Backing pad for abrasive discs

Plato de lijado para disco abrasivo con velcro

Platorello a levigare per disco abrasivo velcrato

XT11662	EAN	Ø	AI	QTY	PCB
XT10162016016	3128820160166	125	M14	1	3

XT11661	EAN	Ø	AI	QTY	PCB
XT10161018504	3128820185046	125	M14	1	10

BACKING PAD FOR ANGLE GRINDER, M14

PLATO PARA PULIR CAUCHO | PARA AMOLADORA, TORNILLO M16

PLATORELLO A LEVIGARE GOMMA | PER SMERIGLIATRICE, ALESAGGIO M14

Backing pad for fibre backed & semi flexible discs.

Plato de lijado para disco de fibra y disco semi-rígido

Platorello a levigare per disco fibra e disco semi rigido

XT11762	EAN	Ø	AI	QTY	PCB
XT10162016012	3128820160128	180	M14	1	3

STABIFLEX BACKING PAD FOR ELECTRIC DRILL, SHANK 6MM

PLATO PULIDO STABIFLEX | PARA TALADRO, VÁSTAGO DE 6MM

PLATORELLO A LEVIGARE STABI-FLEX | PER TRAPANO, ASSE DE 6MM

Autogrip Backing pad for Autogrip ROS discs - 30° flex

Plato de lijado velcro para disco excéntrico de velcro, con una flexión de 30°

Platorello a levigare per disco abrasivo velcrato con una flessione di 30°.

XT11612	EAN	Ø	QTY	PCB
XT10162016020	3128820160203	125	1	3

XT11611	EAN	Ø	QTY	PCB
XT10161016021	3128820160210	125	1	5

SANDING PAD | WITH ASSEMBLY KIT AND ABRASIVES

PLATO PULIDO | CON MONTURA Y REVESTIMIENTO ABRASIVO

PLATORELLO A LEVIGARE | CON MONTATURA E GUARNITURA ABRASIVA

Autogrip Backing pad for abrasive discs

Plato de lijado para taladro para disco abrasivo con velcro.

Platorello a levigare per disco abrasivo velcrato

XT11602	EAN	Ø	QTY	PCB
XT10112011009	3128820110093	125	10	3

XT11601	EAN	Ø	QTY	PCB
XT10111511009	3128825110098	125	1	18

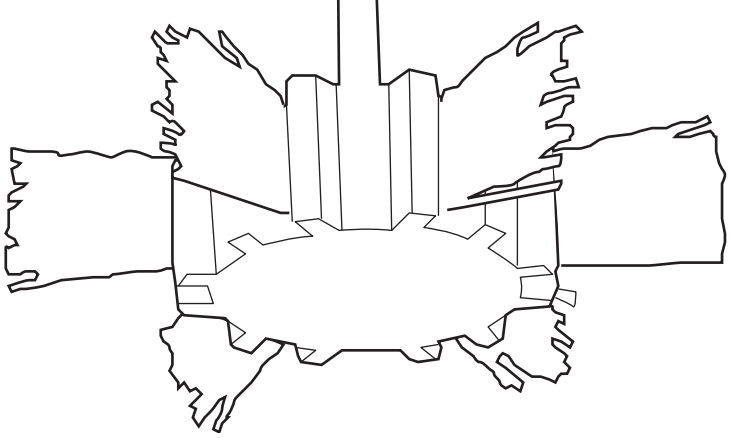
GENE-
RAL
CATALOGUE

BRUSHES

CEPILLADO

SPAZZOLATURA

#12/19



BRUSHES
CEPILLADO
SPAZZOLATURA

HAND BRUSHES **576** #12
A MANO
A MANO

BRUSHES FOR DRILLS **582** #12
PARA TALADRO
PER TRAPANO

BRUSHES FOR ANGLE GRINDERS **598** #12
PARA AMOLADORA
PER MOLATRICE

BROSSAGE
BRUSHING

Brossage des métaux
> Brosse avec fils d'acier torsadés : pour les travaux intensifs sur des surfaces résistantes.
> Brosse avec fils d'acier ondulés : pour les travaux courants de décapage, nettoyage.
> Brosse avec fils laiton : pour des travaux de polissage et de finition.

Brossage des bois
> Brosse avec fils d'acier ondulés : pour les travaux sur les surfaces délicates.
> Brosse avec fils nylon abrasifs : longévité supérieure et pouvoir abrasif régénérant.

Brossage multi-matériaux
Pour tous travaux sur supports béton, pierre, métal, bois.

Brushing on metal
> Brush with twisted steel wire : for the extensive works on resistant surfaces.
> Brush with corrugated steel wire : for the current works of cleaning, cleaning.
> Brush with brass coated steel wire : for works of polishing and finishing.

Brushing on wood
> Brush with corrugated steel wire : for the works on the delicate surfaces
> Nylon brush : superior longevity and regenerating abrasive power.

Brushing on multi-materials
For any works on supports as concrete, stone, metal, wood.

INFO

Une gamme relookée, complète et visible, pour une meilleure compréhension et un achat facilité !
Des packagings qualitatifs et un format optimisé.
A chaque utilisation son code couleur.

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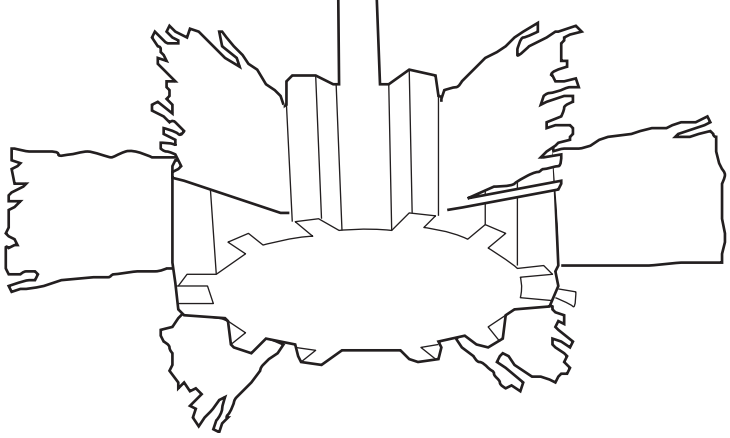
A qualitative packaging and an optimized size.
For each use, its color code.

particulier@tivoly.com



HAND BRUSHES **576** #12
A MANO
A MANO

BRUSHES FOR DRILLS 582 #12
PARA TALADRO
PER TRAPANO

BRUSHES FOR ANGLE GRINDERS 598 #12
PARA AMOLADORA
PER MOLATRICE

WOOD HANDLE BRUSH I 5 ROWS, DENSE WIRE STEEL

CEPILLO VIOLÓN I A MANO, MANGO MADERA, REVESTIMIENTO METÁLICO, 5 FILAS

SPAZZOLA VIOLINO I A MANO, MANICO IN LEGNO, GUARNITURA METALLICA DENSA, 5 RANGHI

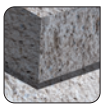
For cleaning , brushing and stripping of various surface types;

Para la limpieza, cepillado y decapado de todo tipo de superficies.

Per la pulizia, spazzolatura e decapaggio su tutti i tipi di superfici

Metal
Metal
Metallo

Wood
Madera
Legno



Concrete
Hormigón
Cemento

XT21061	EAN	Wire	Ep	QTY	PCB
XT20251006150	3128820061500	acier rond	0,35	1	3
XT20251000349	3128820003494	acier rond	0,35	1	12
XT20251006152	3128820061524	acier plat	0,90/0,35	1	3
XT20251006153	3128820061531	acier laitonné	0,30	1	3

WOODEN HANDLE I 4 ROWS, WIRE STEEL

CEPILLO CON MANGO I A MANO, MANGO MADERA, REVESTIMIENTO METÁLICO, 4 FILAS

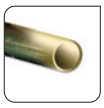
SPAZZOLA A MANICO I A MANO, MANICO IN LEGNO, GUARNITURA METALLO DENSA, 4 RANGHI

For cleaning , brushing and stripping of various types of surface.

Para la limpieza, el cepillado y decapado de todo tipo de superficies.

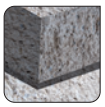
Per la pulitura, la spazzolaturae il deca-paggiosu tutti i tipi di superficie

Metal
Metal
Metallo



Brass
Laton
Ottone

Wood
Madera
Legno



Concrete
Hormigón
Cemento

XT21001	EAN	Wire	Ep	QTY	PCB
XT20251006154	3128820061548	acier rond	0,35	1	3
XT20241000375	3128824003753	acier rond	0,35	1	12
XT20241500375	3128825003758	acier rond	0,35	1	20
XT20251006155	3128820061555	acier plat	0,70/0,30	1	3
XT20251006156	3128820061562	acier ondulé	0,35	1	3
XT20251006158	3128820061586	laiton	0,30	1	3
XT20241306201	3128823062016	acier laitonné	0,30	1	12

SPARK PLUG BRUSH I WIRE STEEL

CEPILLO PARA BUJÍAS I A MANO, MANGO MADERA, REVESTIMIENTO METÁLICO

SPAZZOLA PER CANDELE I A MANO, MANICO INLEGNO, GUARNITURA METALLICA

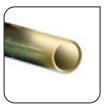
For general cleaning of sparkplugs

Para la limpieza de las bujías del coche

Per la pulitura delle candele dell'automobile

Sparkplugs
Bujías del coche
Candele dell'automobile

Metal
Metal
Metallo



Brass
Laton
Ottone

XT21011	EAN	Wire	Ep	QTY	PCB
XT20251006161	3128820061616	acier rond	0,20	1	3
XT20241000376	3128820003760	acier rond	0,20	1	24
XT20241500376	3128825003765	acier rond	0,20	1	50
XT20241006162	3128820061623	laiton	0,20	1	3

PLASTIC HANDLE BRUSH I WIRE STEEL

CEPILLO ERGONÓMICO I A MANO, CONVEXO, REVESTIMIENTO METÁLICO

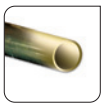
SPAZZOLA ERGONOMICA I A MANO, CONVESSA, GUARNITURA METALLICA

For cleaning , derusting , dust removal , even in awkward areas.

Para desempolvar, eliminar óxido, la limpieza incluso en sitios de difícil acceso.

Per sverniciatura, lucidatura, pulizia e levigare anche nei posti difficili da raggiungere.

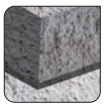
Metal
Metal
Metallo



Brass
Laton
Ottone

Stainless Steel
Aceros inoxidables
Acciai inossidabili

Wood
Madera
Legno



Concrete
Hormigón
Cemento

XT21021	EAN	Wire	Ep		QTY	PCB
XT20251006169	3128820061692	acier	0,30		1	3
XT20251006174	3221912006660	acier	0,30	m long	1	3
XT20241000380	3128820003807	acier	0,30		1	12
XT20241500380	3128825003802	acier	0,30		1	24
XT20251006171	3128820061715	laiton	0,30		1	3
XT20251006170	3128820061708	inox	0,30		1	3
XT20251006173	3221912006653	nylon abrasif	80		1	3

PLASTIC HANDLE BRUSH I WIRE STEEL

CEPILLO ERGONÓMICO I A MANO, CÓNCAVO, REVESTIMIENTO METÁLICO

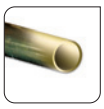
SPAZZOLA ERGONOMICA I A MANO, CONCAVA, GUARNITURA METALLICA

For cleaning , derusting , dust removal , even in awkward areas.

Para desempolvar, eliminar óxido, la limpieza incluso en sitios de difícil acceso.

Per sverniciatura, lucidatura, pulizia e levigare anche nei posti difficili da raggiungere.

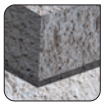
Metal
Metal
Metallo



Brass
Laton
Ottone

Stainless Steel
Aceros inoxidables
Acciai inossidabili

Wood
Madera
Legno



Concrete
Hormigón
Cemento

XT21041	EAN	Wire	Ep	QTY	PCB
XT20241006172	3128820061722	acier	0,30	1	3

FINE SCRATCH BRUSH I WIRE STEEL

CEPILLO ESPECIAL JOYERÍA I A MANO, MANGO MADERA, REVESTIMIENTO METÁLICO

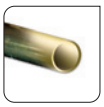
SPAZZOLA SPECIALE BIGIOTTERIA I A MANO, MANICO IN LEGNO, GUARNITURA METALLICA

For cleaning and removing lacquers & other materials

Para la limpieza y rascado de barniz y otros materiales.

Per la pulizia e la rimozione di lacche e altri materiali

Metal
Metal
Metallo



Brass
Laton
Ottone

XT21151	EAN	Wire	Ep	QTY	PCB
XT20251006166	3128820061661	laiton	0,20	1	3

PAINT BRUSH | 2 ROWS, WIRE ROUND STEEL

CEPILLO PINCEL | A MANO, MANGO MADERA, REVESTIMIENTO METÁLICO

SPAZZOLA PENNELLO | A MANO, MANICO IN LEGNO, GUARNITURA METALLICA

For cleaning mechanical parts

Para la limpieza de piezas mecánicas.

Per la pulitura di pezzi meccanici

Metal
Metal
Metallo

XT21161	EAN	Wire	QTY	PCB
XT20251006168	3128820061685	acier rond	1	3

RADIATOR BRUSH | 3 ROWS, ROUND STELL WIRE

CEPILLO RADIADOR | A MANO, MANGO MADERA, REVESTIMIENTO METÁLICO

SPAZZOLA RADIATORI | A MANO, MANICO IN LEGNO, GUARNITURA METALLICA

Special brush for cleaning curved areas . For lacquer & rust removal.

Cepillo especial para la limpieza de partes curvadas. Eliminación de barniz y óxido.

Spazzola speciale per pulire parti curve. Rimozione vernice e ruggine

Metal
Metal
Metallo

XT21141	EAN	Wire	QTY	PCB
XT20251006165	3128820061654	acier rond	1	3

FILE BRUSH WITH WIRE TRIM I WOODEN HANDLE

CARDA I A MANO, MANGO MADERA

CARDA A LIMA

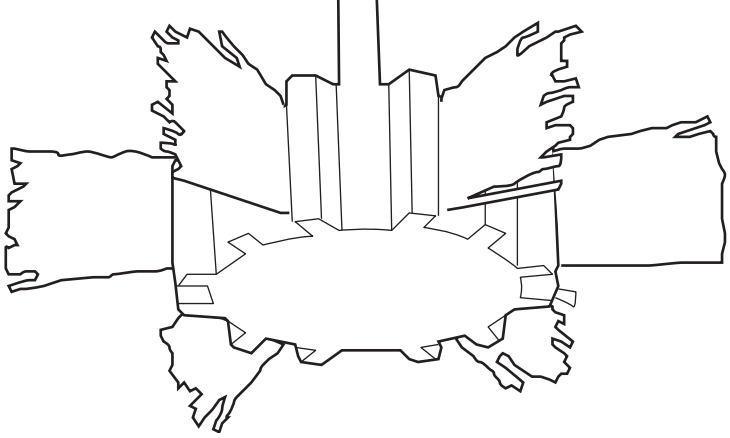
#12

For cleaning grinding stones

Para la limpieza de limas.

Per la pulitura delle lime

XT21201	EAN	QTY	PCB
XT20251006163	3128820061630	1	3



HAND BRUSHES 576
A MANO
A MANO

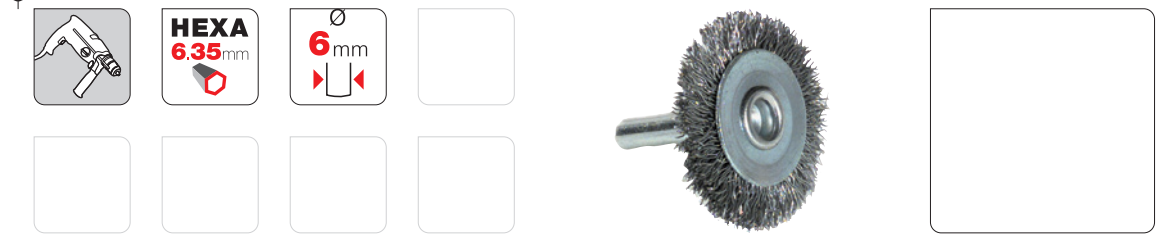
BRUSHES FOR DRILLS 582
PARA TALADRO
PER TRAPANO

BRUSHES FOR ANGLE GRINDERS 598
PARA AMOLADORA
PER MOLATRICE

WHEEL BRUSH | FOR DRILL, CRIMPED STEEL WIRE, METAL STRIPPING

CEPILLO CIRCULAR | PARA TALADRO, HILOS DE ACERO ONDULADO, DECAPADO DE METAL

SPAZZOLA CIRCOLARE: PER TRAPANO, FILO ACCIAIO ONDULATO, DECAPAGGIO DEL METALLO



For stripping tasks such as removal of paint , rust , lime scale , encrusted materials and burrs

Para trabajos de decapado como eliminación de pintura, óxido, sarro, incrustaciones y rebabas.

Per i lavori di decapaggio come la rimozione di vernice, ruggine, calcare, incrostazioni e sbavature.

Metal
Metal
Metallo

XT20012	EAN	Ø	Ep		QTY	PCB
XT202520060203	3221912006646	50	0,35	HEXA	1	3
XT202520060204	3221912006622	75	0,35	HEXA	1	3
XT202520060205	3221912006639	100	0,35	HEXA	1	3
XT20252006050	3128820060503	38	0,35	CYL	1	3
XT20252006052	3128820060527	50	0,35	CYL	1	3
XT20252006054	3128820060541	75	0,35	CYL	1	3
XT20252006056	3128820060565	100	0,35	CYL	1	3

XT20011	EAN	Ø	Ep		QTY	PCB
XT20211000201	3128820002015	38	0,35	CYL	1	12
XT20211000202	3128820002022	50	0,35	CYL	1	12
XT20211000203	3128820002039	75	0,35	CYL	1	12
XT20211000204	3128820002046	100	0,35	CYL	1	12

WHEEL BRUSH | FOR DRILL, TWISTED KNOT, METAL STRIPPING

CEPILLO CIRCULAR | PARA TALADRO, HILOS DE ACERO TRENZADOS, GRAN DECAPADO DE METAL

SPAZZOLA CIRCOLARE: PER TRAPANO, FILO ACCIAIO TORDUTO, GROSSO DECAPAGGIO DEL

Heavy duty wire brush for all deburring tasks , removal of lacquer , rust ,& lime scale as well as weld finishing

Cepillo agresivo para uso intensivo en trabajos de desbarbados, eliminación de barniz, óxido y residuos, desincrustado, limpieza de soldaduras.

Spazzola aggressiva per un utilizzo intensivo per qualsiasi lavoro di sbavatura, rimozione di vernice, ruggine e scorie,

Metal
Metal
Metallo

XT20022	EAN	Ø	Ep	QTY	PCB
XT20252006068	3128820060688	75	0,50	1	3

WHEEL BRUSH | FOR DRILL, STAINLESS STEEL, STAINLESS STEEL STRIPPING

CEPILLO CIRCULAR | PARA TALADRO, HILO INOX, DECAPADO DE INOX Y MATERIALES NO FERROSOS.

SPAZZOLA CIRCOLARE: PER TRAPANO, FILO INOX, DECAPAGGIO D'INOX E MATERIALI NON FERROSI

For cleaning , brushing and stripping of stainless steel , aluminium and other non ferrous metal surfaces

Para la limpieza, cepillado y decapado de superficies de inox, aluminio y otros materiales no ferrosos.

Per la pulitura, spazzolatura e decapaggio di superfici in inox alluminio e altri metalli non ferrosi

Stainless Steel

Aceros inoxidables

Acciai inossidabili

XT20042	EAN	Ø	Ep	QTY	PCB
XT20252006071	3128820060718	75	0,35	1	3

WHEEL BRUSH | FOR DRILL, BRASS-COATED STEEL, METAL STRIPPING

CEPILLO CIRCULAR | PARA TALADRO, HILO DE LATÓN, DECAPADO DE METAL

SPAZZOLA CIRCOLARE: PER TRAPANO, FILO ACCIAIO OTTONATO, DECAPAGGIO DEL METALLO

For stripping tasks such as removal of paint , rust , lime scale , encrusted materials and burrs

Para trabajos de decapado como eliminación de pintura, óxido, sarro, incrustaciones y rebabas.

Per i lavori di decapaggio come la rimozione di vernice, ruggine, calcare, incrostazioni e sbavature.

Metal

Metal

Metallo

XT20032	EAN	Ø	Ep	QTY	PCB
XT20252006073	3128820060732	75	0,25	1	3

WHEEL BRUSH | FOR DRILL, CRIMPED STEEL WIRE, HEAVY DUTY STRIPPING

CEPILLO CIRCULAR | PARA TALADRO, HILOS DE ACERO RECUBIERTO, DECAPADO DE METAL

SPAZZOLA CIRCOLARE: PER TRAPANO, FILO MISCELATI, DECAPAGGIO DEL METALLO

Heavy duty wire brush for all deburring tasks , removal of lacquer , rust ,& lime scale as well as weld finishing. Extra long

Cepillo agresivo para uso intensivo en trabajos de desbarbado, eliminación de barniz, óxido y residuos, desincrustado,

Spazzola aggressiva per un utilizzo intensivo per qualsiasi lavoro di sbavatura, rimozione di vernice, ruggine e scorie,

Metal
Metal
Metallo

XT20062	EAN	Ø	QTY	PCB
XT20252000382	3128820003821	75	1	3

WHEEL BRUSH | FOR DRILL, CRIMPED STEEL WIRE, METAL STRIPPING

CEPILLO CIRCULAR | PARA TALADRO, HILOS DE ACERO ONDULADO, DECAPADO DE METAL

SPAZZOLA CIRCOLARE: PER TRAPANO, FILO ACCIAIO ONDULATO, DECAPAGGIO DEL METALLO

For stripping tasks such as removal of paint , rust , lime scale , encrusted materials and burrs . For use with a drill driven

Para trabajos de decapado como eliminación de pintura, óxido, sarro, incrustaciones y rebabas. Se utiliza con un

Per i lavori di decapaggio come la rimozione di vernice, ruggine, incrostazioni e sbavature.

Metal
Metal
Metallo

XT20052	EAN	Ø	Ep	Al	QTY	PCB
XT20252000251	3128820002510	100	0,35	13	1	3

WHEEL BRUSH | FOR DRILL, CRIMPED STEEL WIRE, METAL STRIPPING

CEPILLO CIRCULAR | PARA TALADRO, HILOS DE ACERO ONDULADO, DECAPADO DE METAL

SPAZZOLA CIRCOLARE: PER TRAPANO, FILO ACCIAIO ONDULATO, DECAPAGGIO DEL METALLO

For all stripping tasks such as paint removal & denibbing

Para trabajos de decapado, como eliminación de pintura, engranaje

Per lavori di decapaggio, come la rimozione di vernice, sgranatura

Wood

Madera

Legno

XT20089	EAN	Ø	Ep		QTY	PCB
XT202520060200	3221912006592	50	0,25	HEXA	1	3

XT20090	EAN	Ø	Ep		QTY	PCB
XT202520060201	3221912006608	75	0,25	HEXA	1	3

XT20091	EAN	Ø	Ep		QTY	PCB
XT202520060202	3221912006615	100	0,25	HEXA	1	3

XT20092	EAN	Ø	Ep		QTY	PCB
XT20252006051	3128820060510	50	0,25	CYL	1	3
XT20252006053	3128820060534	75	0,25	CYL	1	3
XT20252006055	3128820060558	100	0,25	CYL	1	3

WHEEL BRUSH I FOR DRILL, BRASS STEEL WIRE, METAL STRIPPING

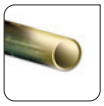
CEPILLO CIRCULAR I PARA TALADRO, HILOS DE LATÓN, DECAPADO DE COBRE, LATÓN, MADERA

SPAZZOLA A TAZZA I PER TRAPANO, FILO ACCIAIO OTTONATO, DECAPAGGIO CUOIO, LAMIERA

For all finishing tasks on non ferrous metal surfaces

Para trabajos de acabado sobre superficies metálicas no ferrosas.

Per tutti i lavori di finitura su superfici in metallo e non ferrose



Brass
Laton
Ottone

XT20112	EAN	Ø	Ep	QTY	PCB
XT20252006058	3128820060589	75	0,20	1	3

WHEEL BRUSH SPECIAL GRID I FOR DRILL, NYLON AND CRIMPED STEEL WIRE

CEPILLO CIRCULAR ESPECIAL REJAS / PARA TALADRO, HILOS NYLON Y ACERO,

SPAZZOLA CIRCOLARE SPECIALE CANCELLI PER TRAPANO, FILO NYLON E ACCIAIO

For cleaning of stripping of metal grids

Para la limpieza y decapado de rejas/ barrotes

Per la pulitura e il decapaggio di griglie

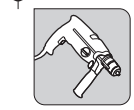
Metal
Metal
Metallo

XT20072	EAN	Ø	Ep	QTY	PCB
XT20222000378	3128820003784	100	80/0,35	1	3

CUP BRUSH I FOR DRILL, CRIMPED STEEL WIRE, METAL STRIPPING

CEPILLO COPA I PARA TALADRO, HILOS DE ACERO ONDULADO, DECAPADO DE METAL

SPAZZOLA A TAZZA I PER TRAPANO, FILO ACCIAIO ONDULATO, DECAPAGGIO DEL METALLO



For stripping tasks such as removal of paint , rust , lime scale , encrusted materials and burrs . For efficient preparation of

Para trabajos de decapado como eliminación de pintura, óxido, sarro, incrustaciones y rebabas. Tratamiento eficaz de

Per i lavori di decapaggio come la rimozione di vernice, ruggine, incrostazioni e sbavature.

Metal
Metal
Metallo

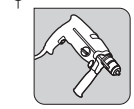
XT20082	EAN	Ø	Ep		QTY	PCB
XT202520060212	3221912006578	50	0,35	HEXA	1	3
XT202520060213	3221912006585	75	0,35	HEXA	1	3
XT20252006060	3128820060602	50	0,35	CYL	1	3
XT20252006062	3128820060626	75	0,35	CYL	1	3

XT20081	EAN	Ø	Ep		QTY	PCB
XT20211000205	3128820002053	50	0,35	CYL	1	12
XT20211000206	3128820002060	75	0,35	CYL	1	12

CUP BRUSH I FOR DRILL, TWISTED KNOT, METAL STRIPPING

CEPILLO COPA I PARA TALADRO, HILOS DE ACERO TRENZADOS, GRAN DECAPADO DE METAL

SPAZZOLA A TAZZA I PER TRAPANO, FILO ACCIAIO TORDUTO, GROSSO DECAPAGGIO DEL



Heavy duty wire brush for all deburring tasks , removal of lacquer , rust ,& lime scale as well as weld finishing

Cepillo agresivo para uso intensivo en trabajos de desbarbados, eliminación de barniz, óxido y residuos, desincrustado,

Spazzola aggressiva per un utilizzo intensivo per qualsiasi lavoro di sbavatura, rimozione di vernice, ruggine e scorie,

Metal
Metal
Metallo

XT20102	EAN	Ø	Ep	QTY	PCB
XT20252006049	3128820060497	75	0,50	1	3

CUP BRUSH | FOR DRILL, STAINLESS STEEL WIRE, STAINLESS STEEL STRIPPING

CEPILLO COPA | PARA TALADRO, HILO INOX, GRAN DECAPADO DE METAL

SPAZZOLA A TAZZA | PER TRAPANO, FILO INOX, GROSSO DECAPAGGIO DEL METALLO

For cleaning , brushing and stripping of stainless steel , aluminium and other non ferrous metal surfaces

Para la limpieza, cepillado y decapado de superficies de inox, aluminio y otros materiales no ferrosos

Per la pulitura, spazzolatura e decapaggio di superfici in inox alluminio e altri metalli non ferrosi

Stainless Steel

Aceros inoxidables

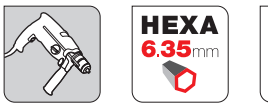
Acciai inossidabili

XT20192	EAN	Ø	Ep	QTY	PCB
XT20252006072	3128820060725	75	0,35	1	3

CUP BRUSH | FOR DRILL, CRIMPED STEEL WIRE, METAL STRIPPING

CEPILLO COPA | PARA TALADRO, HILOS DE ACERO ONDULADO, DECAPADO DE METAL

SPAZZOLA A TAZZA | PER TRAPANO, FILO ACCIAIO ONDULATO, DECAPAGGIO DEL METALLO



For all stripping tasks such as paint removal & denibbing

Para trabajos de decapado, como eliminación de pintura, engranaje

Per lavori di decapaggio, come la rimozione di vernice, sgranatura

Wood

Madera

Legno

XT20162	EAN	Ø	Ep		QTY	PCB
XT202520060210	3221912006554	50	0,25	HEXA	1	3
XT202520060211	3221912006561	75	0,25	HEXA	1	3
XT20252006059	3128820060596	50	0,25	CYL	1	3
XT20252006061	3128820060619	75	0,25	CYL	1	3

CUP BRUSH | FOR DRILL, BRASS STEEL WIRE, METAL STRIPPING

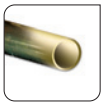
CEPILLO COPA | PARA TALADRO, HILO LATÓN, DECAPADO DE COBRE, LATÓN, MADERA

SPAZZOLA A TAZZA | PER TRAPANO, FILO OTTONE, DECAPAGGIO DEL CUOIO LAMIERA LEGNO

For all finishing tasks on non ferrous metal surfaces

Para todo tipo de trabajos de acabado sobre materiales no ferrosos

Per tutti i lavori di finitura su superfici in metallo e non ferrose



Brass
Laton
Ottone

XT20202	EAN	Ø	Ep	QTY	PCB
XT20252006057	3128820060572	75	0,25	1	3

END BRUSH | FOR DRILL, CRIMPED STEEL WIRE, METAL STRIPPING

CEPILLO PINCEL | PARA TALADRO, HILOS DE ACERO ONDULADO, DECAPADO DE METAL

SPAZZOLA A PENNELLO | PER TRAPANO, FILO ACCIAIO ONDULATO, DECAPAGGIO DEL METALLO

For stripping tasks such as removal of paint , rust , lime scale , encrusted materials and burrs . For efficient preparation of

Para trabajos de decapado, como eliminación de pintura, óxido, sarro, incrustaciones y rebabas. Tratamiento eficaz de

Per i lavori di decapaggio come la rimozione di vernice, ruggine, calcare, incrostazioni e sbavature.

Metal
Metal
Metallo

XT20122	EAN	Ø	Ep		QTY	PCB
XT202520060214	3221912006547	22	0,35	HEXA	1	3
XT20252006063	3128820060633	18	0,35	CYL	1	3
XT20252006064	3128820060640	22	0,35	CYL	1	3
XT20252006065	3128820060657	28	0,35	CYL	1	3

XT20121	EAN	Ø	Ep		QTY	PCB
XT20212000270	3128820002701	28	0,35	CYL	1	12

END BRUSH | FOR DRILL, TWISTED KNOT, METAL STRIPPING

CEPILLO PINCEL | PARA TALADRO, HILOS DE ACERO TRENZADOS, GRAN DECAPADO DE METAL

SPAZZOLA A PENNELLO | PER TRAPANO, FILO ACCIAIO TORDUTO, GROSSO DECAPAGGIO DEL

Heavy duty wire brush for all deburring tasks , removal of lacquer , rust ,& lime scale as well as weld finishing

Cepillo agresivo para uso intensivo en trabajos de desbarbados, eliminación de barniz, óxido y residuos, desincrustado,

Spazzola aggressiva per un utilizzo intensivo per qualsiasi lavoro di sbavatura, rimozione di vernice, ruggine e scorie,

Metal
Metal
Metallo

XT20132	EAN	Ø	Ep	QTY	PCB
XT20252006070	3128820060701	28	0,50	1	3

END BRUSH | FOR DRILL, CRIMPED STEEL WIRE, METAL INTENSIVE STRIPPING

CEPILLO PINCEL | PARA TALADRO, HILOS DE ACERO RECUBIERTO, GRAN DECAPADO DE METAL

SPAZZOLA A PENNELLO | PER TRAPANO, FILO ACCIAIO MISCELATO, GROSSO DECAPAGGIO DEL

Heavy duty wire brush for all deburring tasks , removal of lacquer , rust ,& lime scale as well as weld finishing. Extra long

Cepillo agresivo para uso intensivo en trabajos de desbarbados, eliminación de barniz, óxido y residuos, desincrustado,

Spazzola aggressiva per un utilizzo intensivo per qualsiasi lavoro di sbavatura, rimozione di vernice, ruggine e scorie,

Metal
Metal
Metallo

XT20142	EAN	Ø	QTY	PCB
XT20252000383	3128820003838	24	1	3

SPHERICAL BRUSH I FOR DRILL, CRIMPED STEEL WIRE, METAL STRIPPING

CEPILLO ABANICO I PARA TALADRO, HILOS DE ACERO ONDULADO, , DECAPADO DE METAL

SPAZZOLA VENTAGLIO I PER TRAPANO, FILO ACCIAIO ONDULATO,DECAPAGGIO DEL

For stripping tasks such as removal of paint , rust , lime scale , encrusted materials and burrs . For working on surfaces

Para trabajos de decapado, como eliminación de pintura, óxido, sarro, incrustaciones y rebabas. Tratamiento de

Per lavori di decapaggio, come la rimozione di vernice, ruggine, calcare, incrostazioni e bave. Trattamento di superfici

Metal
Metal
Metallo

XT20152	EAN	Ø	Ep	QTY	PCB
XT20252006066	3128820060664	50	0,35	1	3
XT20252006067	3128820060671	75	0,35	1	3

TUBE & INTERNAL BRUSH I FOR DRILL, CRIMPED STEEL WIRE, METAL STRIPPING

CEPILLOS CILÍNDRICOS I PARA TALADRO, HILOS DE ACERO ONDULADO, DECAPADO DE METAL

SPAZZOLA CILINDRICA I PER TRAPANO, FILO ACCIAIO ONDULATO, DECAPAGGIO DEL METALLO

For cleaning tubes , deburring & removal of lacquer & rust

Para trabajos de limpieza de tubos, desbarbado, eliminación de barniz y óxido

Per i lavori di pulizia di tubi, sbavatura, rimozione, vernice e ruggine

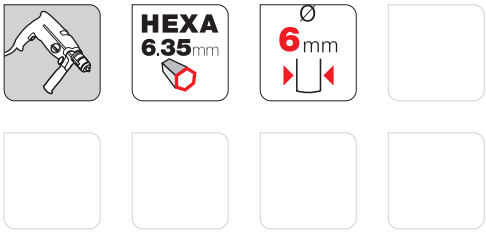
Metal
Metal
Metallo

XT20352	EAN	Ø	Ep	L	QTY	PCB
XT20252006075	3221910899356	28	0,35	90	1	1
XT20252006076	3221910899363	20	0,35	200	1	1
XT20252006077	3221910899370	38	0,35	200	1	1

WHEEL BRUSH I FOR DRILL, RED ABRASIVE FILAMENT, WOOD STRIPPING

CEPILLO CIRCULAR I PARA TALADRO, HILOS NYLON ROJO, DECAPADO DE MADERA

SPAZZOLA CIRCOLARE I PER TRAPANO, FILO NYLON ROSSO, DECAPAGGIO DEL LEGNO



For lacquer & dust removal as well as stripping , preparation of polished surfaces, cleaning , & denibbing of wood.

Para trabajos de eliminación de barniz, desempolvado, lijado, pulido, limpieza, La composición de estos cepillos se adapta perfectamente a los perfiles de la pieza a

Per i lavori di sverniciatura, spolverare, lucidatura, pulizia, levigare legno. Il rivestimento di queste spazzole si adatta al profilo del pezzo da lavorare senza danneggiare la superficie.

Wood
Madera
Legno

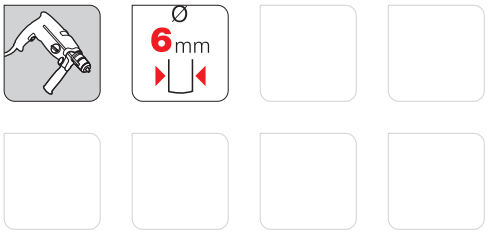
XT20402	EAN	Ø	Gr		QTY	PCB
XT202520060300	3221912006509	75	80	HEXA	1	3
XT202520060301	3221912006516	100	80	HEXA	1	3
XT20222000777	3128820007775	75	80	CYL	1	3
XT20222000778	3128820007782	100	80	CYL	1	3

XT20401	EAN	Ø	Gr		QTY	PCB
XT20221500778	3128825007787	100	80	CYL	1	30

WHEEL BRUSH I FOR DRILL, BLUE ABRASIVE FILAMENT, WOOD CLEANING

CEPILLO CIRCULAR I PARA TALADRO, HILOS NYLON AZUL, DECAPADO DE MADERA

SPAZZOLA CIRCOLARE I PER TRAPANO, FILO NYLON BLU, LEVIGATURA DEL LEGNO



For lacquer & dust removal as well as stripping , preparation of polished surfaces, cleaning , & denibbing of wood.

Para trabajos de desempolvado, deslustrado, limpieza de madera. La composición de estos cepillos se adapta perfec-

Per i lavori di sverniciatura, lucidatura, pulizia, levigare legno. Il rivestimento di queste spazzole si adatta al profilo del

Wood
Madera
Legno

XT20412	EAN	Ø	Gr	QTY	PCB
XT20222000783	3128820007836	75	120	1	3
XT20222000784	3128820007843	100	120	1	3

CUP BRUSH I FOR DRILL, RED NYLON FILAMENT, WOOD STRIPPING

CEPILLO COPA I PARA TALADRO, HILOS NYLON ROJO, DECAPADO DE MADERA

SPAZZOLA A TAZZA I PER TRAPANO, FILO NYLON ROSSO, DECAPAGGIO DEL LEGNO

For lacquer & dust removal as well as stripping , preparation of polished surfaces, cleaning , & denibbing of wood.

Para trabajos de eliminación de barniz, desempolvado, lijado, deslustrado, limpieza, pulido de madera. La composición

Per i lavori di sverniciatura, spolverare, lucidatura, pulizia, levigare legno. Il rivestimento di queste spazzole si adatta

Wood
Madera
Legno

XT20422	EAN	Ø	Gr	QTY	PCB
XT202520060302	3221912006486	45	80	1	3
XT202520060303	3221912006493	65	80	1	3
XT20222000779	3128820007799	45	80	1	3
XT20222000780	3128820007805	65	80	1	3

XT20421	EAN	Ø	Gr	QTY	PCB
XT20221500780	3128825007800	65	80	1	50

CUP BRUSH I FOR DRILL, BLUE ABRASIVE FILAMENT, WOOD CLEANING

CEPILLO COPA I PARA TALADRO, HILOS NYLON AZUL, DECAPADO DE MADERA

SPAZZOLA A TAZZA I PER TRAPANO, FILO NYLON BLU, LEVIGATURA DEL LEGNO

For lacquer & dust removal as well as stripping , preparation of polished surfaces, cleaning , & denibbing of wood.

Para trabajos de eliminación de barniz, desempolvado, lijado, deslustrado, limpieza, pulido de madera. La composición

Per i lavori di sverniciatura, lucidatura, pulizia, levigare legno. Il rivestimento di queste spazzole si adatta al profilo del

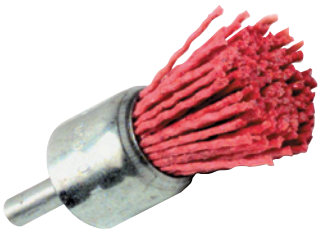
Wood
Madera
Legno

XT20432	EAN	Ø	Gr	QTY	PCB
XT20222000785	3128820007850	45	120	1	3
XT20222000786	3128820007867	65	120	1	3

END BRUSH | FOR DRILL, RED NYLON FILAMENT, WOOD STRIPPING

CEPILLO PINCEL | PARA TALADRO, HILOS NYLON ROJO,DECAPADO DE MADERA

SPAZZOLA A PENNELLO | PER TRAPANO, FILO NYLON ROSSO, DECAPAGGIO DEL LEGNO



For lacquer & dust removal as well as stripping , preparation of polished surfaces, cleaning , & denibbing of wood.

Para trabajos de eliminación de barniz, desempolvado, lijado, deslustrado, limpieza, pulido de madera. La composición de estos cepillos se adapta perfectamente a los perfiles de la pieza a trabajar sin dañar la superficie.

Per i lavori di sverniciatura, spolverare, lucidatura, pulizia, levigare legno. Il rivestimento di queste spazzole si adatta al profilo del pezzo da lavorare senza

Wood
Madera
Legno

XT20442	EAN	Ø	Gr		QTY	PCB
XT202520060304	3221912006677	22	80	HEXA	1	3
XT20222000781	3128820007812	22	80	CYL	1	3

END BRUSH | FOR DRILL, BLUE NYLON FILAMENT, WOOD CLEANING

CEPILLO PINCEL | PARA TALADRO, HILOS NYLON AZUL, DECAPADO DE MADERA

SPAZZOLA A PENNELLO | PER TRAPANO, FILO NYLON BLU, LEVIGATURA DEL LEGNO

For lacquer & dust removal as well as stripping , preparation of polished surfaces, cleaning , & denibbing of wood.

Para trabajos de desempolvado, deslustrado, limpieza de madera. La composición de estos cepillos se adapta

Per i lavori di sverniciatura, lucidatura, pulizia, levigare legno. Il rivestimento di queste spazzole si adatta al profilo del

Wood
Madera
Legno

XT20452	EAN	Ø	Gr		QTY	PCB
XT20222000787	3128820007874	22	120	CYL	1	3

FLAP BRUSH I FOR DRILL, RED NYLON FILAMENT, WOOD STRIPPING

CEPILLO ABANICO I PARA TALADRO, HILO NYLON ROJO,DECAPADO DE MADERA

SPAZZOLA A VENTAGLIO I PER TRAPANO, FILO NYLON ROSSO, DECAPAGGIO DEL LEGNO

For lacquer & dust removal as well as stripping , preparation of polished surfaces, cleaning , & denibbing of wood.

Para trabajos de eliminación de barniz, desempolvado, lijado, deslustrado, limpieza, pulido de madera. La composición

Per i lavori di sverniciatura, spolverare, lucidatura, pulizia, levigare legno. Il rivestimento di queste spazzole si adatta

Wood
Madera
Legno

XT20462	EAN	Ø	Gr	QTY	PCB
XT20222000782	3128820007829	100	80	1	3

XT20461	EAN	Ø	Gr	QTY	PCB
XT20221500782	3128825007824	100	80	1	30

FLAP BRUSH I FOR DRILL, RED NYLON FILAMENT, WOOD STRIPPING

CEPILLO ABANICO I PARA TALADRO, HILO NYLON ROJO,DECAPADO DE MADERA

SPAZZOLA A VENTAGLIO I PER TRAPANO, FILO NYLON ROSSO, DECAPAGGIO DEL LEGNO

For lacquer & dust removal as well as stripping , preparation of polished surfaces, cleaning , & denibbing of wood.

Para trabajos de desempolvado, deslustrado, limpieza de madera. La composición de estos cepillos se adapta

Per i lavori di sverniciatura, lucidatura, pulizia, levigare legno. Il rivestimento di queste spazzole si adatta al profilo del

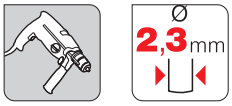
Wood
Madera
Legno

XT20472	EAN	Ø	Gr	QTY	PCB
XT20222000788	3128820007881	100	120	1	3

MINIATURES BRUSHES I FOR DRILL, SHANK 2,3MM

MINI CEPILLOS PINCEL, COPA, PLANO I PARA TALADRO, HILOS DE ACERO ONDULADO, VÁSTAGO DE

MINI SPAZZOLE PENNELLO, TAZZA, PIATTA I PER TRAPANO, FILO ACCIAIO ONDULATO, ASSE DA



For precision working

Para todo tipo de trabajos de precisión.

Per tutti i lavori di precisione

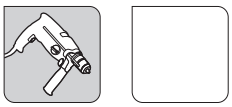
Metal
Metal
Metallo

XT20182	EAN	Ø	Ø	Ø	QTY	PCB
XT20252000566	3128820005665	5	10	28	1	3

POLISHING BRUSH I FOR DRILL, SHANK 6MM

CEPILLO PARA LUSTRAR I PARA TALADRO, VÁSTAGO DE 6MM

SPAZZOLA PER LUCIDATURA I PER TRAPANO, ASSE 6MM



XT20252000226

3128820002268

QTY	PCB	€
1	3	

For cleaning and polishing wooden , leather and suede furniture

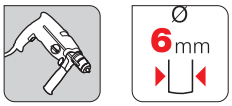
Para limpiar y lustrar muebles en madera, cuero, nobuk y ante.

Per pulitura e lucidatura di mobili in legno, cuoio nubuk e camoscio

POLISHING HEAD

TAMBOR DE PULIDO I VÁSTAGO DE 6MM

TAMBURO PER LUCIDATURA I ASSE 6MM



XT20252006078

3221910899387

QTY	PCB	€
1	1	

For polishing chrome , bronze , copper, & silver - for use with polishing pastes

Para abrillantar con la pasta de pulido, el cromo, bronce, cobre y plata.

Per far brillare con la pasta il cromo, bronzo, cuoio e argento

AUTOGRIP POLISHING SPONGE

For applying polishing pastes

DISCO DE PULIDO I VELCRO

Para la aplicación de polish y cera.

DISCO PER LUCIDATURA I VELCRATO

XT20252006079

3221910899394

QTY	PCB	€
1	1	

Per le applicazioni di lucidatura e ceratura

KIT SANDING & BRUSHING, FOR DRILL AND HANDLE BRUSH

KIT DE PULIDO Y CEPILLADO 7 PIEZAS

KIT DI LEVIGATURA E SPAZZOLATURA 7 PEZZI

Metal
Metal
Metallo

XT20382	EAN		QTY	PCB
XT20252580201	3221912006523	HEXA	4	3
XT20252580202	3221912006530	HEXA	4	3
XT20252580200	3128825802009	CYL	1	6

WHEEL BRUSH | FOR ANGLE GRINDER, CRIMPED STEEL WIRE, METAL STRIPPING

CEPILLO CIRCULAR | PARA AMOLADORA, HILOS DE ACERO ONDULADO, DECAPADO DE METAL

SPAZZOLA CIRCOLARE: PER MOLETTA, FILO ACCIAIO ONDULATO, DECAPAGGIO DEL METALLO

For cleaning tubes , deburring & removal of lacquer & rust

Para trabajos de limpieza de tubos, desbarbado, eliminación de barniz y óxido

Per i lavori di pulizia di tubi, sbavatura, rimozione, vernice e ruggine.

Metal
Metal
Metallo

XT20302	EAN	Ø	Ep	QTY	PCB
XT20252006005	3128820060053	95	0,35	1	1

CUP BRUSH | FOR ANGLE GRINDER, CRIMPED STEEL WIRE, METAL STRIPPING

CEPILLO COPA | PARA AMOLADORA, HILOS DE ACERO ONDULADO, DECAPADO DE METAL

SPAZZOLA A TAZZA: PER MOLETTA, FILO ACCIAIO ONDULATO, DECAPAGGIO DEL METALLO

For cleaning tubes , deburring & removal of lacquer & rust

Para trabajos de limpieza de tubos, desbarbado, eliminación de barniz y óxido

Per i lavori di pulizia di tubi, sbavatura, rimozione, vernice e ruggine.

Metal
Metal
Metallo

XT20312	EAN	Ø	Ep	QTY	PCB
XT20252006000	3128820060008	75	0,35	1	1
XT20252006001	3128820060015	95	0,35	1	1

XT20311	EAN	Ø	Ep	QTY	PCB
XT20211000369	3128820003692	75	0,35	1	6

CUP BRUSH | FOR ANGLE GRINDER, KNOTTED WIRE, METAL STRIPPING

CEPILLO COPA | PARA AMOLADORA, HILOS DE ACERO TRENZADOS, GRAN DECAPADO DE METAL

SPAZZOLA A TAZZA: PER MOLETTA, FILO ACCIAIO TORDUTO, GROSSO DECAPAGGIO DEL METALLO

Heavy duty wire brush for all deburring tasks , removal of lacquer , rust ,& lime scale as well as weld finishing

Cepillo agresivo para uso intensivo en trabajos de desbarbados, eliminación de barniz, óxido y residuos, desincrustado,

Spazzola aggressiva per un utilizzo intensivo per qualsiasi lavoro di sbavatura, rimozione di vernice, ruggine e scorie,

Metal
Metal
Metallo

XT20342	EAN	Ø	Ep	QTY	PCB
XT20252006002	3128820060022	65	0,50	1	1
XT20252006003	3128820060039	90	0,50	1	1

XT20341	EAN	Ø	Ep	QTY	PCB
XT20211000370	3128820003708	65	0,50	1	6

CUP BRUSH | FOR ANGLE GRINDER, CRIMPED BRASS STEEL WIRE,METAL STRIPPING

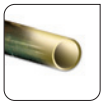
CEPILLO COPA | PARA AMOLADORA, HILOS DE LATÓN, DECAPADO DE COBRE, LATÓN, MADERA

SPAZZOLA A TAZZA: PER MOLETTA, FILO OTTONATO, DECAPAGGIO DEL CUOIO LAMIERA

For all finishing tasks on non ferrous metal surfaces

Para trabajos de acabado sobre superficies de metales no ferrosos.

Per tutti i lavori di finitura su superfici in metallo e non ferrose



Laiton
Laiton
Messing

Wood
Madera
Legno

Stainless Steel
Aceros inoxidables
Acciai inossidabili

XT20322	EAN	Ø	Ep	QTY	PCB
XT20252006007	3128820060077	70	0,35	1	1
XT20252006008	3128820060084	100	0,35	1	1

DRUM BRUSH, CRIMPED STEEL WIRE, METAL STRIPPING

CEPILLO CIRCULAR I PARA TORNO, HILOS DE ACERO ONDULADO, DECAPADO DE METAL

SPAZZOLA CIRCOLARE I PER MOLA, FILO ACCIAIO ONDULATO, DECAPAGGIO DEL METALLO

For cleaning tubes , deburring & removal of lacquer & rust

Para trabajos de limpieza de tubos, desbarbado, eliminación de barniz y óxido

Per i lavori di pulizia di tubi, sbavatura, rimozione, vernice e ruggine

Metal

Metal

Metallo

XT20392	EAN	Ø	Al	Ep	QTY	PCB
XT20254006100	3128820061005	125	20>12,7	0,35	1	1
XT20254006102	3128820061029	150	20>12,7	0,35	1	1
XT20254006104	3128820061043	200	20>12,7	0,35	1	1

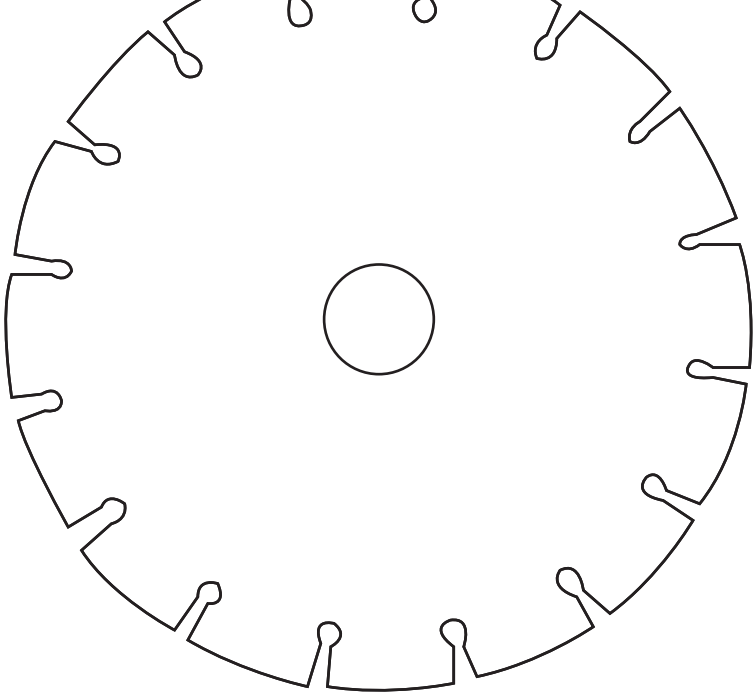
GENE-
RAL
CATALOGUE

CUTTING DISCS

TRONZADO

TAGLIO

#13/19



CUTTING DISCS
TRONZADO
TAGLIO

ABRASIVE DISCS 605 #13
DISCOS RESINOIDES
DISCHI RESINOIDALI

DIAMOND DISCS 610 #13
DISCOS DIAMANTE
DISCHI DIAMANTATI

TIVOLY

TRONÇONNAGE
CUTTING

FURIUS

PUISSANT
STRONGER
RAPIDE
FASTER
EFFICACE
EFFICIENT

La nouvelle génération de disque résinoïde :
> Coupe haute précision, absence de vibration
> Coupe froide et nette
> Performance constante
> Une gamme éco-conçue
> Impact sur l'environnement minimisé à la fabrication : réduction des rejets sur l'environnement.

The new generation of resinoïde grinding disc :
> High cutting precision, no vibration
> Cold and clear cutting
> Constant performance
> An eco-designed range
> Environmental impact minimized during production : environment waste reduction.

INFO

Les disques résinoïdes Tivoly portent le sigle OSA, entité indépendante qui contrôle et certifie les produits respectant les standard qualitatifs CEE. Les disques résinoïdes Tivoly sont produits en suivant la norme EN 12413.

The Tivoly 's resinoid discs are stampled with the OSA initials, independant entity which checks and certifies products respecting the quality standard EEC. The Tivoly's resinoid discs are produced, following the standard norm EN 12413.

particulier@tivoly.com

FURIUS BONDED ABRASIVE CUTTING DISC | HIGH PERFORMANCE

DISCO RESINOIDE PARA TRONZAR FURIUS | GAMA ALTO RENDIMIENTO

DISCO RESINOIDALE DA TAGLIO | FURIUS | GAMMA AD ALTE PERFORMANCE

New generation of professional resinoid bonded discs for steel and stainless steel offering the best technical solution for high

La nueva generación de discos resinoides, acero & inox. La mejor solución tecnológica para rendimientos altamente

La nuova genarazione di dischi resinoidali, acciaio e inox. Le migliori soluzioni tecnologiche per le prestazioni altamente

Metal
Metal
Metallo

Stainless Steel
Aceros inoxidables
Acciai inossidabili

XT30101	EAN	Ø	Al	T	Form	1/min	QTY	PCB
XT30321111115016	3221910897994	115	22,23	1,6	T41	13300	1	10
XT30321111125016	3221910898007	125	22,23	1,6	T41	12250	1	10
XT30321111230019	3221910898014	230	22,23	1,9	T41	6650	1	10

FURIUS BONDED ABRASIVE CUTTING DISC | HIGH PERFORMANCE

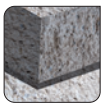
DISCO RESINOIDE PARA TRONZAR FURIUS | GAMA ALTO RENDIMIENTO

DISCO RESINOIDALE DA TAGLIO | FURIUS | GAMMA AD ALTE PERFORMANCE

New generation of professional resinoid bonded discs for stone offering the best technical solution for high performance.

La nueva generación de discos resinoides. La mejor solución técnica para rendimientos altamente profesionales. Duración de

La nuova genarazione di dischi resinoidali, materiali edili. Le migliori soluzioni tecnologiche per le prestazioni altamente



Concrete
Hormigón
Cemento

XT30111	EAN	Ø	Al	T	Form	1/min	QTY	PCB
XT30321211115016	3221910898021	115	22,23	3,2	T42	13300	1	10
XT30321211125016	3221910898038	125	22,23	3,2	T42	12250	1	10
XT30321211230019	3221910898045	230	22,23	3,2	T42	6650	1	10

COMBINATION ABRASIVE CUTTING/GRINDING DISC I STANDARD

DISCO RESINOIDE CROSS 3 EN 1 I TRONZADO Y DESBARBADO, GAMA

DISCO RESINOIDALE CROSS 3 IN 1 I TAGLIO E SBAVATURA, GAMME

XT30321032017

3221910899899

QTY	PCB	€
1	10	

"CROSS" 3 in 1 disc - combined cutting/grinding disc : used for cutting , deburring, edging , grinding of steel and stainless steel. Non polluting

CROSS 3 en 1, lo mejor del tronzado y desbarbado en un solo disco: tronzado, desbarbado, biselado, amolado para el acero e inox. Gama no contaminante.

CROSS 3 IN 1, il migliore disco unico da taglio e sbavatura:, taglio, smussatura, rettifica per l'acciaio inox e acciaio. Gamma non inquinante.

BONDED ABRASIVE CUTTING DISC I STANDARD QUALITY I EXTRA THIN

DISCO RESINOIDE PARA TRONZAR I GAMA "BEST SELLERS", ESPECIAL POCO ESPESOR

DISCO RESINOIDALE DA TAGLIO I GAMMA BEST SELLERS, SPECIALE PICCOLI SPESSORI

SPECIAL thin wheels. Tivoly Core range with consistently proven performance in the cutting of steels and stainless steels.

ESPECIAL poco espesor. Los "Best seller" de la gama tivoly han sido probados millones de veces en operaciones de tron-

SPECIALE PICCOLI SPESSORI. Il Best-Sellers della gamma Tivoly rivelatosi milioni di volte per operazioni di taglio di

Metal
Metal
Metallo

Stainless Steel
Aceros inoxidables
Acciai inossidabili

XT30011	EAN	Ø	AI	T	Form	1/min	QTY	PCB
XT30321032001	3221910899752	115	22,23	1	T41	13300	1	10
XT30321032002	3221910899769	125	22,23	1	T41	12250	1	10

BONDED ABRASIVE CUTTING DISC | STANDARD QUALITY

DISCO RESINOIDE PARA TRONZAR | GAMA "BEST SELLERS"

DISCO RESINOIDALE DA TAGLIO | GAMMA BEST SELLERS

Tivoly Core range with consistently proven performance in the cutting of steels and stainless steels. The ideal choice for the

Los "Best seller" de la gama tivoly han sido probados millones de veces en operaciones de tronzado en aceros e inox.

Il Best-Sellers della gamma Tivoly rivelatosi milioni di volte per operazioni di taglio di acciai e inox. La scelta migliore per

Metal
Metal
Metallo

Stainless Steel
Aceros inoxidables
Acciai inossidabili

XT30021	EAN	Ø	AI	T	Form	1/min	QTY	PCB
XT30321032003	3221910899776	115	22,23	1,6	T41	13300	1	10
XT30321032004	3221910899783	125	22,23	1,6	T41	12250	1	10
XT30321032005	3221910899790	230	22,23	1,9	T41	6650	1	10

BONDED ABRASIVE CUTTING DISC | STANDARD QUALITY

DISCO RESINOIDE PARA TRONZAR | GAMA "BEST SELLERS"

DISCO RESINOIDALE DA TAGLIO | GAMMA BEST SELLERS

Tivoly Core range with consistently proven performance in the cutting of steels and stainless steels. The ideal choice for the

Los "Best seller" de la gama tivoly han sido probados millones de veces en operaciones de tronzado en aceros e inox.

Il Best-Sellers della gamma Tivoly rivelatosi milioni di volte per operazioni di taglio di acciai e inox. La scelta migliore per

Metal
Metal
Metallo

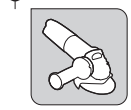
Stainless Steel
Aceros inoxidables
Acciai inossidabili

XT30031	EAN	Ø	AI	T	Form	1/min	QTY	PCB
XT30321032008	3221910899806	115	22,23	3,2	T42	13300	1	10
XT30321032009	3221910899813	125	22,23	3,2	T42	12250	1	10
XT30321032010	3221910899820	230	22,23	3,2	T42	6650	1	10
XT30321032018	3221910899905	300	20	3,8	T41	6 400	1	10
XT30321032019	3221910899912	300	25,4	3,5	T41	5 100	1	10
XT30321032020	3221910899929	350	25,4	3,8	T41	4 400	1	10

BONDED ABRASIVE CUTTING DISC I STANDARD QUALITY

DISCO RESINOIDE PARA TRONZAR I GAMA "BEST SELLERS"

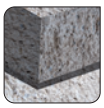
DISCO RESINOIDALE DA TAGLIO I GAMMA BEST SELLERS



Tivoly Core range with consistently proven performance in the cutting of steels and stainless steels. The ideal choice for the

Los "Best Sellers" de la gama Tivoly, concebidos y fabricados para trabajos de eliminación de material en metales ferrosos, aceros al carbono e inox. La mejor

Il Best-Sellers della gamma Tivoly rivelatosi milioni di volte per operazioni di taglio di materiali da costruzione. La scelta



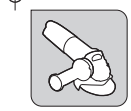
Concrete
Hormigón
Cemento

XT30051	EAN	Ø	Al	T	Form	1/min	QTY	PCB
XT30321032014	3221910899868	115	22,23	3,2	T42	13300	1	10
XT30321032015	3221910899875	125	22,23	3,2	T42	12250	1	10
XT30321032016	3221910899882	230	22,23	3,2	T42	6650	1	10
XT30321032022	3221910899936	300	20	3,8	T41	6400	1	10
XT30321032023	3221910899943	300	22,23	3,5	T41	6400	1	10

BONDED ABRASIVE GRINDING DISC I STANDARD QUALITY

DISCO RESINOIDE PARA DESBARBAR I GAMA "BEST SELLERS"

DISCO RESINOIDALE DA TAGLIO I GAMMA BEST SELLERS



Tivoly Core range - designed and manufactured for excellent grinding performance on ferrous metals , carbon steels

Los "Best Sellers" de la gama Tivoly, concebidos y fabricados para trabajos de eliminación de material en metales ferrosos, aceros al carbono e inox.

Il Best-Sellers della gamma Tivoly, progettato e costruito per ottenere elevate quantità di asportazione di materiale su metalli ferrosi, acciaio al carbonio

Metal
Metal
Metallo

Stainless Steel
Aceros inoxidables
Acciai inossidabili

XT30041	EAN	Ø	Al	T	Form	1/min	QTY	PCB
XT30321032011	3221910899837	115	22,23	7	T27	13300	1	10
XT30321032012	3221910899844	125	22,23	7	T27	12250	1	10
XT30321032013	3221910899851	230	22,23	7	T27	6650	1	10

BONDED ABRASIVE CUTTING DISC I ECONOMY

DISCO RESINOIDE PARA TRONZAR I GAMA ALTERNATIVA ECONÓMICA

DISCO RESINOIDALE DA TAGLIO I GAMMA ALTERNATIVA ECONOMICA

EN 12413

T42

Tivoly value range - bulk packs of 5 resin bonded discs for metal cutting.

La alternativa económica de la gama Tivoly, presentada en lotes de 5 discos resinoides para el tronzado del acero.

La gamma di alternativa economica Tivoly presentata in confezioni da 5 dischi resinoidi per il taglio di acciai

Metal
Metal
Metallo

XT30091	EAN	Ø	Al	T	Form	1/min	QTY	PCB
XT30321090837	3128820908379	115	22,23	3,2	T42	13300	5	12
XT30321090839	3128820908393	125	22,23	3,2	T42	12250	5	12
XT30321090841	3128820908416	230	22,23	3,2	T42	6650	5	12

BONDED ABRASIVE CUTTING DISC I ECONOMY

DISCO RESINOIDE PARA TRONZAR I GAMA ALTERNATIVA ECONÓMICA

DISCO RESINOIDALE DA TAGLIO I GAMMA ALTERNATIVA ECONOMICA

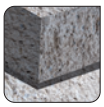
EN 12413

T42

Tivoly value range - bulk packs of 5 resin bonded discs for masonry cutting.

La alternativa económica de la gama tivoly, presentada en lotes de 5 discos resinoides para el tronzado

La gamma di alternativa economica Tivoly presentata in confezioni da 5 dischi resinoidi per il taglio di differenti materiali



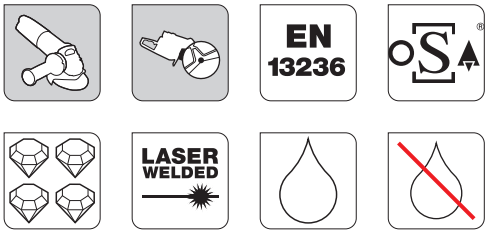
Concrete
Hormigón
Cemento

XT30081	EAN	Ø	Al	T	Form	1/min	QTY	PCB
XT30321090836	3128820908362	115	22,23	3,2	T42	13300	5	12
XT30321090838	3128820908386	125	22,23	3,2	T42	12250	5	12
XT30321090840	3128820908409	230	22,23	3,2	T42	6650	5	12

DIAMOND DISC-CONCRETE/ASHPHALT I HIGH PERFORMANCE

DISCO DIAMANT ASFALTO/HORMIGÓN I GAMA ALTO RENDIMIENTO, INNOVACIÓN

DISCO DIAMANTATO ASFALTO/CEMENTO I GAMMA AD PERFORMANCE, INNOVAZIONE

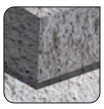


Perfect for the most demanding applications. Heavy duty usage for a wide variety of tasks. Excellent cutting speed

La respuesta a las más altas exigencias. Uso intensivo y gran polivalencia. Excelente velocidad de corte y gran

La risposta alle richieste più esigenti. Un utilizzo intensivo e versatilità estrema. Eccellente velocità di taglio ed estrema

Asphalt
Asphalt
Asphalt



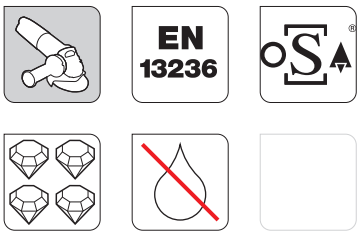
Concrete
Hormigón
Cemento

XT31261	EAN	Ø	Al	SgtN	SgtL	SgtH	SgtT	QTY	PCB
XT30341034209	3221910900502	125	22,23	9	40,5/32	13	2,4	1	1
XT30341034210	3221910900519	230	22,23	16	43,4/37,8	13	2,6	1	1
XT30341034211	3221910900526	300	20	20	41,5/37,7	13	2,8	1	1

DIAMOND DISC CONCRETE/TILE I HIGH PERFORMANCE

DISCO DIAMANT HORMIGÓN/AZUJELO I GAMA ALTO RENDIMIENTO,

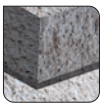
DISCO DIAMANTATO CEMENTO/CERAMICA I GAMMA AD ALTA PER-



XT30341034212

3221910900533

QTY	PCB	€
1	1	



Exceptional cutting speed , high productivity , body with hole vents & reinforced diamond

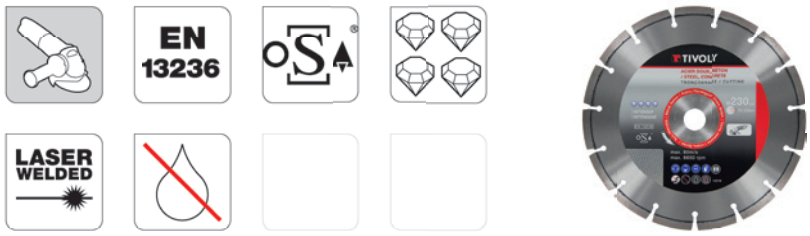
Una velocidad de corte excepcional, alto rendimiento, plancha ventilada con refuerzos diamantados

Eccezionale velocità di taglio, alto rendimento, lama ventilato con rinforzi diamantati.

DIAMOND CUTTING DISC CONCRETE/STEEL I HIGH PERFORMANCE

DISCO DIAMANT ACERO BLANDO/HORMIGÓN I GAMA ALTO RENDIMIENTO, INNOVACIÓN

DISCO DIAMANTATO ACCIAI TENERI/CEMENTO I GAMMA AD ALTE PERFORMANCE, INNOVA-

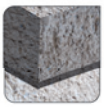


Generalist blade , excellent life , matrix bond specially designed for cutting through mild steel.

Herramienta polivalente, alto rendimiento, específico para el corte de aceros blandos.

Utensile polivalente, alto rendimento, specifico per il taglio di acciai teneri

Metal
Metal
Metallo



Concrete
Hormigón
Cemento

XT31041	EAN	Ø	AI	SgtN	SgtL	SgtH	SgtT	QTY	PCB
XT30341034020	3221910883577	115	22,23	8	35	8	2,4	1	1
XT30341034021	3221910883584	125	22,23	9	35	8	2,4	1	1
XT30341034022	3221910883591	230	22,23	16	35	8	2,4	1	1

DIAMOND CUTTING DISC CERAMIC I HIGH PERFORMANCE

DISCO DIAMANT GRES CERÁMICO I GAMA ALTO RENDIMIENTO, INNOVACIÓN

DISCO DIAMANTATO GRES PORCELLANATO I GAMMA AD ALTE PERFORMANCE, INNOVAZIONE

Serrated edge continuous rim blade for generalist use in heavy ceramic materials and hard tiles. Thin blade for high cutting

Corona continua finamente acanalada concebida para un uso intensivo en gres cerámico y los azulejos más duros. Poco

Corona continua finemente scanalata concepita per un utilizzo intesivo nel gres e le piastrelle piu dure. Molto sottile per

Tiles
Gres cerámico
Gres porcellanato

Tiles
Azulejo
Piastrelle

XT31031	EAN	Ø	AI	SgtH	SgtT	QTY	PCB
XT30341034010	3221910883485	115	22,23	10	2,4	1	1
XT30341034011	3221910883492	125	22,23	10	2,4	1	1
XT30341034013	3221910896751	180	30/25,4	10	2,6	1	1
XT30341034012	3221910883508	230	22,23	10	2,6	1	1

DIAMOND CUTTING DISC
CONCRETE I STANDARD QUALITY

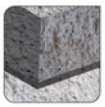
DISCO DIAMANT HORMIGÓN I GAMA "BEST SELLER"

DISCO DIAMANTE CEMENTO I GAMMA BEST SELLERS

Application specific range of diamond discs - for intensive usage across a range of discs for cutting different materials.

El programa especializado de la gama de discos diamante, destinado a uso intensivo con los discos perfectamente

Il programma specializzato della gamma di dischi diamantati, adatto per uso intensivo con dischi che soddisfano i diversi



Concrete
Hormigón
Cemento

Stone
Piedra
Pietra

Brick
ladrillo
Mattone

XT31001	EAN	Ø	Al	SgtN	SgtL	SgtH	SgtT	QTY	PCB
XT30341034001	3128820340018	115	22,23	8	42,5/32,2	13	2,4	1	1
XT30341034002	3128820340025	125	22,23	9	40,5/32	13	2,4	1	1
XT30341034003	3128820340032	230	22,23	16	43,4/37,8	13	2,6	1	1

DIAMOND CUTTING DISC
CONCRETE I STANDARD RANGE

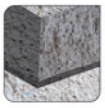
DISCO DIAMANT HORMIGÓN I GAMA "BEST SELLER"

DISCO DIAMANTATO CEMENTO I GAMMA BEST SELLERS

Application specific range of diamond discs - for intensive usage across a range of discs for cutting different materials.

El programa especializado de la gama de discos diamante, destinado a uso intensivo con los discos perfectamente

Il programma specializzato della gamma di dischi diamantati, adatto per uso intensivo con dischi che soddisfano i diversi



Concrete
Hormigón
Cemento

Stone
Piedra
Pietra

Brick
ladrillo
Mattone

XT31251	EAN	Ø	Al	SgtN	SgtL	SgtH	SgtT	QTY	PCB
XT30341034207	3221910900489	300	20	20	41,5/37,7	13	2,8	1	1
XT30341034208	3221910900496	350	25,4	24	40,3/37,1	13	3	1	1

DIAMOND DISC MULTIMATERIAL | STANDARD RANGE

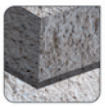
DISCO DIAMANT MULTI MATERIAL | GAMA "BEST SELLER"

DISCO DIAMANTATO MULTI MATERIALI | GAMME BEST SELLERS

Serrated edge continuous rim blade for generalist use in construction materials. Exceptionally high cutting speed.

Corona continua finamente acanalada concebida para una utilización polivalente en materiales de construcción. Velocidad

Corona continua finemente scanalata concepita per un utilizzo polivalente nei materiali di costruzione. Altissima velocità



Concrete
Hormigón
Cemento

Tiles
Azulejo
Piastrelle

Brick
ladrillo
Mattone

XT31241	EAN	Ø	Al	SgtH	SgtT	QTY	PCB
XT30341034204	3221910900458	115	22,23	7	1,5	1	1
XT30341034205	3221910900465	125	22,23	7	1,5	1	1
XT30341034206	3221910900472	230	22,23	7	1,6	1	1

DIAMOND DISC FOR TILE | STANDARD RANGE

DISCO DIAMANT AZULEJO | GAMA "BEST SELLER"

DISCO DIAMANTATO PIASTRELLE | GAMMA BEST SELLERS

Continuous rim blade for precision cutting , aggressive cut.

Corona continua lisa, herramienta muy cortante, corte de precisión, garantía sin astillas

Corona continua liscia, utensile molto tagliente, per un taglio di precisione.

Tiles
Azulejo
Piastrelle

XT31231	EAN	Ø	Al	SgtH	SgtT	QTY	PCB
XT30341034200	3221910900410	115	22,23	7	1,5	1	1
XT30341034201	3221910900427	125	22,23	7	1,5	1	1
XT30341034202	3221910900434	180	30/25,4	7	1,6	1	1
XT30341034203	3221910900441	230	22,23	7	1,6	1	1

DIAMOND DISC FOR CONCRETE | ECONOMY

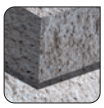
DISCO DIAMANT HORMIGÓN | GAMA ALTERNATIVA ECONÓMICA

DISCO DIAMANTATO CEMENTO | GAMME ECONOMICA ALTERNATIVA

Sintered segmented diamond disc - general purpose use in building materials. Perfect compromise between blade life ,

Disco diamante con segmentos sinterizados, polivalente en materiales de construcción. El perfecto equilibrio entre

Disco diamantato sinterizzato polivalente nei materiali da costruzione. Il perfetto equilibrio in termine di durata di vita/



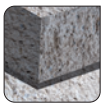
Concrete
Hormigón
Cemento

XT31141	EAN	Ø	Al	SgtN	SgtL	SgtH	SgtT	QTY	PCB
XT30341034401	3128820344016	115	22,23	9	32	7	2	1	1
XT30341034402	3128820344023	125	22,23	10	32	7	2	1	1
XT30341034403	3128820344030	230	22,23	15	38	10	2	1	1

Sintered segmented diamond disc - general purpose use in building materials. Perfect compromise between blade life ,

Disco diamante con segmentos sinterizados, polivalente en materiales de construcción. El perfecto equilibrio entre

Disco diamantato sinterizzato polivalente nei materiali da costruzione. Il perfetto equilibrio in termine di durata di vita/



Concrete
Hormigón
Cemento

XT31171	EAN	Ø	Al	SgtN	SgtL	SgtH	SgtT	QTY	PCB
XT30341113401	3128821134012	115	22,23	9	32	7	2	1	12
XT30341113402	3128821134029	125	22,23	10	32	7	2	1	12
XT30341113403	3128821134036	230	22,23	15	38	10	2	1	6

DIAMOND CUTTING DISC MULTIMATERIAL I ECONOMY

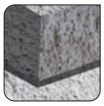
DISCO DIAMANT MULTI MATERIAL I GAMA ALTERNATIVA ECONÓMICA

DISCO DIAMANTATO MULTI MATERIALE I GAMMA ALTERNATIVA ECONOMICA

Serrated edge continuous rim blade for generalist use in construction materials. Excellent compromise of product life , cut

Corona continua finamente acanalada concebida para un uso polivalente en materiales de construcción. El perfecto

Corona continua finemente scanalata concepita per un utilizzo polivalente su tutti i materiali da costruzione. Il perfetto



Concrete
Hormigón
Cemento

Tiles
Azulejo
Piastrelle

XT31011	EAN	Ø	Al	SgtH	SgtT	QTY	PCB
XT30341034004	3128820340049	115	22,23	5	1,6	1	1
XT30341034005	3128820340056	125	22,23	5	1,6	1	1
XT30341034102	3128820341022	180	30/25,4	5	1,6	1	1
XT30341034006	3128820340063	230	22,23	5	1,6	1	1

DIAMOND CUTTING DISC TILE I ECONOMY

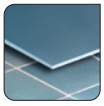
DISCO DIAMANT AZULEJO I GAMA ALTERNATIVA ECONÓMICA

DISCO DIAMANTATO PIASTRELLE I GAMMA ALTERNATIVA ECONOMICA

Continuous rim blade for precision cutting. Excellent compromise between product life ,cut quality & price

Corona continua lisa, para un corte de precisión. El perfecto equilibrio entre duración de vida/calidad/precio.

Corona continua liscia, per un taglio di precisione. Il perfetto equilibrio tra durata di vita/prezzo/qualità



Tiles
Azulejo
Piastrelle

XT31021	EAN	Ø	Al	SgtH	SgtT	QTY	PCB
XT30341034007	3128820340070	115	22,23	5	1,6	1	1
XT30341034008	3128820340087	125	22,23	5	1,6	1	1
XT30341034101	3128820341015	180	30/25,4	5	1,6	1	1
XT30341034009	3128820340094	230	22,23	5	1,6	1	1

DIAMOND CUTTING DISC TILE I ECONOMY

DISCO DIAMANT AZULEJO I GAMA ALTERNATIVA ECONÓMICA

DISCO DIAMANTATO PIASTRELLE I GAMMA ALTERNATIVA ECONOMICA

Continuous rim blade for precision cutting. Excellent compromise between product life ,cut quality & price

Corona continua lisa, para un corte de precisión. El perfecto equilibrio entre duración de vida/calidad/precio

Corona continua liscia, per un taglio di precisione. Il perfetto equilibrio tra durata di vita/prezzo/qualità

Tiles

Azulejo

Piastrelle

XT31181	EAN	Ø	Al	SgtH	SgtT	QTY	PCB
XT30341113407	3128821134074	115	22,23	5	1,6	1	12
XT30341113408	3128821134081	125	22,23	5	1,6	1	12
XT30341113409	3128821134098	230	22,23	5	1,6	1	6

PACK OF 3 DIAMOND DISCS

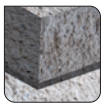
LOT 3 DISCOS DIAMANT

SET 3 DISCHI DIAMANTATI

XT30342090315

3128820903152

QTY	PCB	€
5	12	



2 diamond discs for building materials & 1 diamond disc for tiles

2 discos diamante para materiales de construcción, 1 disco diamante para azulejo.

2 Dischi diamantati per materiali di costruzione, 1 disco diamantato per piastrelle.

PACK OF 3 DIAMOND DISCS

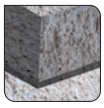
LOT 3 DISCOS DIAMANT

SET 3 DISCHI DIAMANTATI

XT30342090325

3128820903251

QTY	PCB	€
5	12	



2 diamond discs for building materials & 1 diamond disc for tiles

3 discos diamante para materiales de construcción, 1 disco diamante para azulejo.

2 Dischi diamantati per materiali di costruzione, 1 disco diamantato per piastrelle.

DIAMOND CUTTING DISC - WALL CHASING

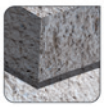
DISCO PARA RANURAR

DISCO A RAINURE

Chasing applications in construction materials. Laser welded disc for precision dry cutting. Steel

Ranurado de materiales blandos. Herramienta soldada láser para un trabajo en seco de precisión. Chapa específica

Per rainure in materiali da costruzione. Utensile saldato al laser per un lavoro a secco di precisione



Concrete
Hormigón
Cemento

Brick
ladrillo
Mattone

XT31051	EAN	Ø	Al	SgtN	SgtH	QTY	PCB
XT30341034050	3221910883539	125	22,23	8	9	1	1
XT30341034051	3221910883546	150	22,23	9	9	1	1

DIAMOND CUTTING DISC - MORTAR RAKING

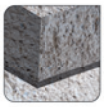
DISCO PARA DESENSAMBLAR

DISCHI PER RIMOZIONE DELLA MALTA

Blade specially designed for raking out mortar joints between bricks and other construction materials

Herramienta especial para desprendimiento de ladrillos y materiales de construcción.

Utensile speciale per la rimozione della malta tra due mattoni o sulle superfici dei materiali da costruzione



Concrete
Hormigón
Cemento

Brick
ladrillo
Mattone

XT31061	EAN	Ø	Al	SgtH	SgtT	QTY	PCB
XT30341034060	3221910883515	115	22,23	10	6,5	1	1
XT30341034061	3221910883522	125	22,23	10	6,5	1	1

DIAMOND CUP GRINDING DISC

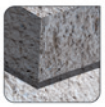
DISCO PARA PULIR

DISCO A RETTIFICA

Surface grinding of concrete , natural stone & construction materials

Lijado de hormigón, piedras naturales, materiales de construcción.

Rettifica di cemento, pietre naturali, materiali da costruzione



Concrete
Hormigón
Cemento

Stone
Piedra
Pietra

XT31071	EAN	Ø	AI	SgtN	SgtH	QTY	PCB
XT30341034070	3221910883553	125	22,23	18	35x6x8	1	1
XT30341034071	3221910883560	180	22,23	18	36x6x8	1	1

ANGLE GRINDER GUARD

CARTER DE PROTECCIÓN PARA AMOLADORA

CARTER DI PROTEZIONE PER MOLETTA

XT30341034100

3221910883478

QTY	PCB	€
1	1	

Protective guard for 115 & 125mm angle grinders

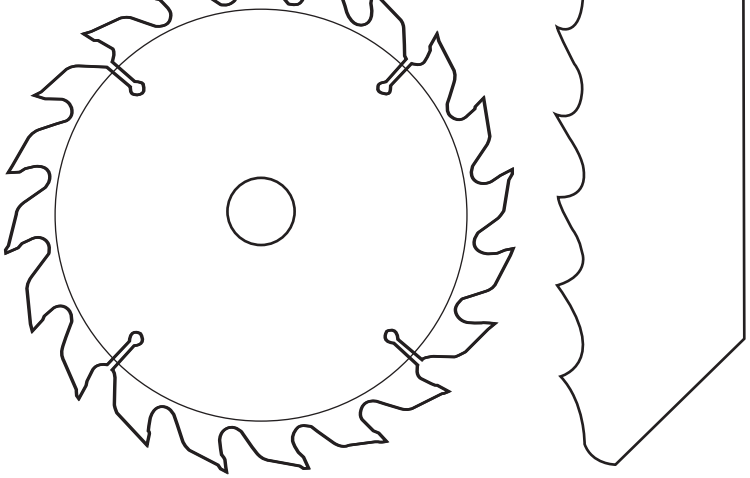
Cárter de protección para amoladoras Ø115 y Ø125 mm

Carter di protezione per molette da Ø 115 e 125mm

GENE-
RAL
CATALOGUE

SAWING
SERRADO
SEGATURA

#14/19



SAWING
SERRADO
SEGATURA

JIG SAW BLADES **624**
SIERRAS DE CALAR
SEGHETTO ALTERNATIVO 638

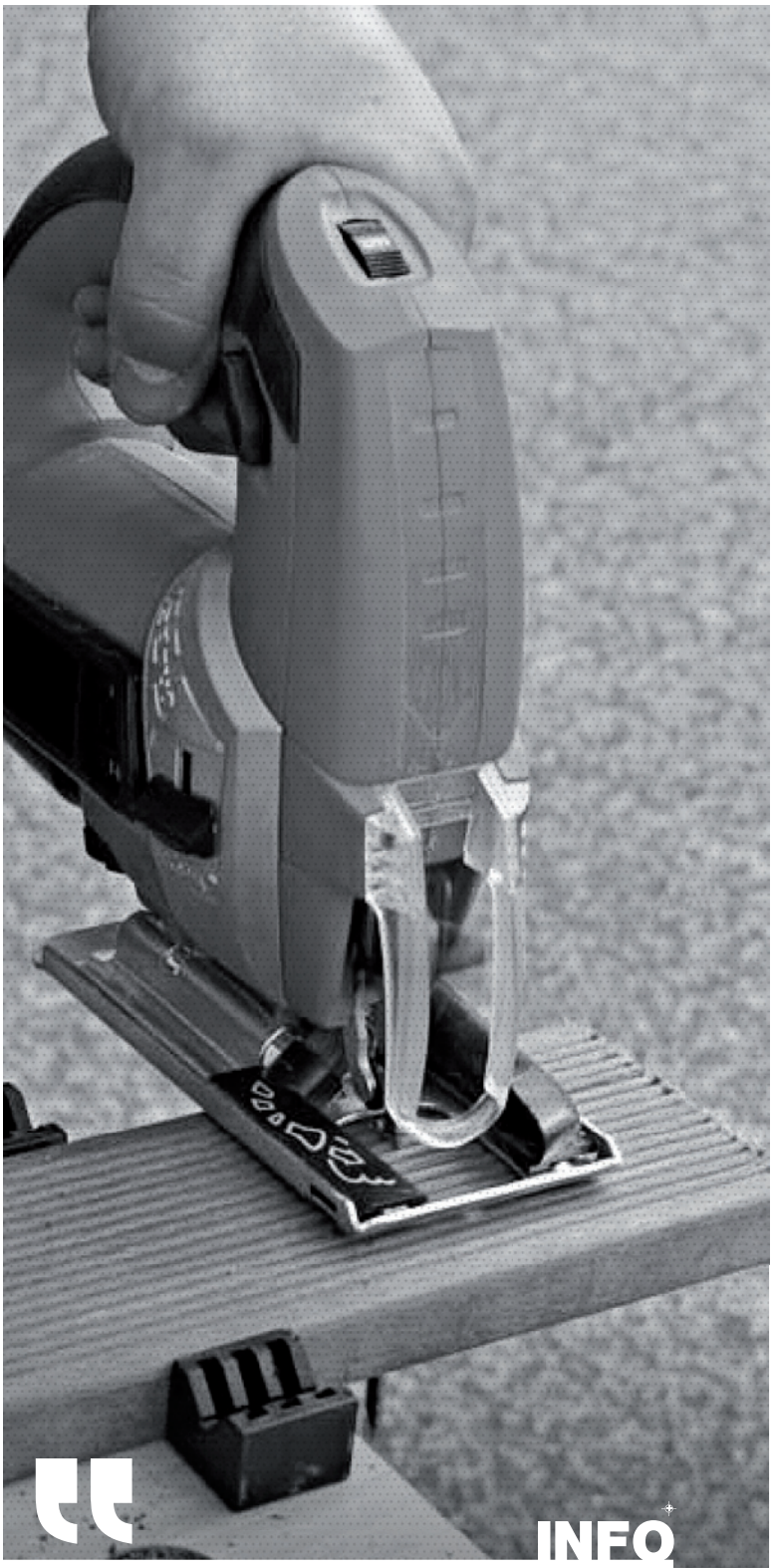
Jig Saw Blades. Sierras de calar. seghetto alternativo. #14
Reciprocating Saws. sierras sable. Seghetto universale.
Sets. Estuches. Cofanetti.

CIRCULAR SAW BLADES **642**
SIERRA CIRCULAR
SEGHE CIRCOLARI

Circular Saw Blades. Sierra circular. Seghe Circolari. #14
Accessories. Accesorios. Accessori.

HOLESAWS **650**
SIERRA CORONA
SEGHE A TAZZA

For Wood & Plasterboard. Sierras corona para madera.Seghe a tazza per legno e cartongesso. #14
For Metal. Sierra corona para metal. Seghe a tazza per metallo.
For Masonry. Sierra de trepanar para hormigón. Seghe a tazza per cemento.
Diamond Holesaws for Tiles and Masonry. Sierra diamante para azulejo y gres. Seghe diamantate per piastrelle & gres.
660 Sets. Estuches. Cofanetti.



TIVOLY

SCIAGE
SAWING

LAME DE SCIE SAUTEUSE
Jigsaw blade

Une nouvelle gamme au design innovant et fonctionnel.
Points forts de la gamme :
1. Qualité
Des produits de qualité fabrication européenne.
2. La matière à scier :
On choisit une lame en HCS pour les matériaux tendres, une lame en Bi-métal pour les matériaux plus durs et une lame en HSS pour la découpe du métal.
3. Codes couleurs
Spécifiques métal
Spécifiques divers
Bois tendres & agglomérés
et Spécifiques du bois
4. Applications
Une gamme dédiée à des applications claires : parquet / plan de travail / étagère / carrelage / plastique / etc ..

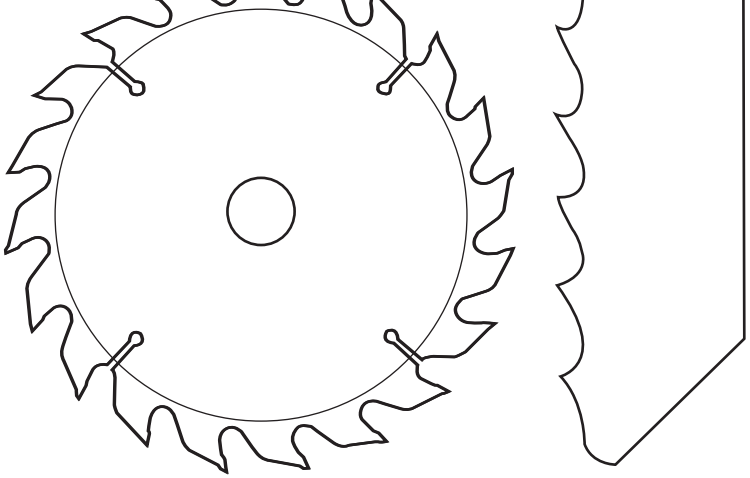
A new range with an innovative and functional design.
Highlights of the range :
1. Quality
Quality products made in Europe
2.The material to be cut
We choose a blade HCS for soft materials, a Bi-metal blade for harder materials and a HSS blade for cutting metal.
3. Color codification
Specific metal
Various specific
Softwood and chipboard and wood specific
4. Use
A range dedicated to clear use : parquet / work-top / shelves / tile plastic / etc...

INFO

Pour le sciage des parquets, plan de travail, étagères qui nécessitent une qualité de coupe sans éclats, ôtez la fonction oscillation de votre scie sauteuse pendulaire.

For the sawing of wood parquet, work-top, shelves that require a perfect quality of cut, consider removing the pendulum function of your jigsaw powertool.

particulier@tivoly.com



JIG SAW BLADES **624**
SIERRAS DE CALAR
SEGHETTO ALTERNATIVO

Jig Saw Blades. Sierras de calar. seghetto alternativo. #14
Reciprocating Saws. sierras sable. Seghetto universale.
Sets. Estuches. Cofanetti. 638

CIRCULAR SAW BLADES **642**
SIERRA CIRCULAR
SEGHE CIRCOLARI

Circular Saw Blades. Sierra circular. Seghe Circolari. #14
Accessories. Accesorios. Accessori.

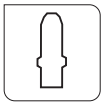
HOLESAWS **650**
SIERRA CORONA
SEGHE A TAZZA

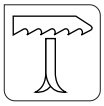
For Wood & Plasterboard. Sierras corona para madera.Seghe a tazza per legno e cartongesso. #14
For Metal. Sierra corona para metal. Seghe a tazza per metallo.
For Masonry. Sierra de trepanar para hormigón. Seghe a tazza per cemento.
Diamond Holesaws for Tiles and Masonry. Sierra diamante para azulejo y gres. Seghe diamantate per piastrelle & gres.
Sets. Estuches. Cofanetti. 660

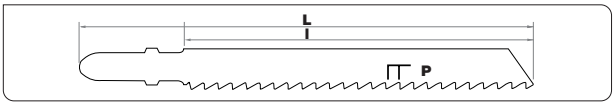
JIGSAW BLADE I SOFTWOODS & CHIPBOARD

MADERA BLANDA Y AGLOMERADO/ HOJA DE CALAR

LEGNO TENERO E AGGLOMERATI I LAMA PER SEGHETTO ALTERNATIVO







Chrome vanadium blade for soft materials - wood & fibreboard

El CV es utilizado para los trabajos en los materiales blandos como la madera, paneles de fibras.

Il cromo vanadio è usato per lavori su materiali teneri come il legno, pannelli in composito.

Soft wood & Chipboard

Madera blanda y aglomerado

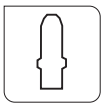
Legno tenero e agglomerati

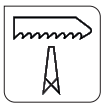
XT50202	EAN	ABCD	L	I	P	EP	QTY	PCB
XT505520001	3221910898441	B I C	75	50	2	1.5-15	2	6
XT505520002	3221910898458	A I C	132	110	4	5-100	2	6
XT505520003	3221910898465	B I D	75	50	1,3	1.5-15	2	6
XT505520006	3221910898496	A I D	100	75	4	5-50	2	6
XT505520007	3221910898502	A I C	100	75	4	5-50	2	6
XT505520019	3221910899172	A I D	100	75	2,5	3-50	2	6

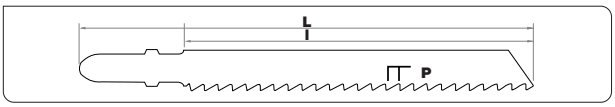
JIGSAW BLADE I FOR SHELVES

ESTANTERÍAS/HOJA DE SIERRA DE CALAR

SCAFFALI I LAME PER SEGHETTO ALTERNATIVO







Chrome vanadium blade for soft materials - wood & fibreboard

El CV es utilizado para los trabajos en los materiales blandos como la madera, paneles de fibras.

Il cromo vanadio è usato per lavori su materiali teneri come il legno, pannelli in composito.

Shelves

Estanterías

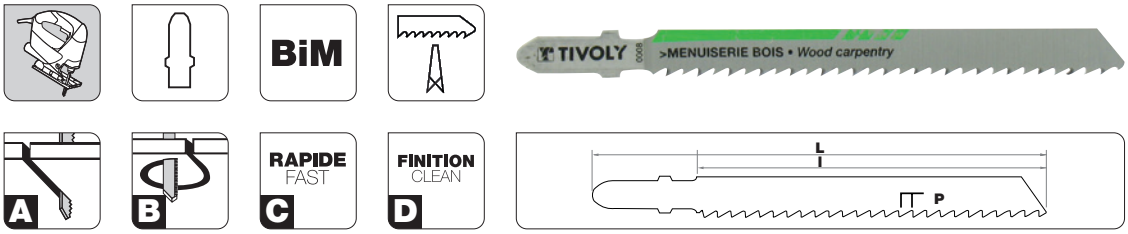
Scaffali

XT50212	EAN	ABCD	L	I	P	EP	QTY	PCB
XT505520005	3221910898489	A I D	100	75	2,5	3-30	2	6

JIGSAW BLADE I WOOD

MADERA BLANDA Y AGLO. /HOJA DE SIERRA DE CALAR

INFISSI IN LEGNO I LAMA PER SEGHETTO ALTERNATIVO



Flexible HCS blade body with hard HSS teeth = exceptional cutting performance

La flexibilidad del reverso en acero a "muelle" y dentado en acero rápido = eficacia de corte excepcional

La flessibilità del dorso in acciaio a "molla" e la dentatura in acciaio rapido danno un efficacia di taglio eccezionale.

Wood Carpentry

Carpintería madera

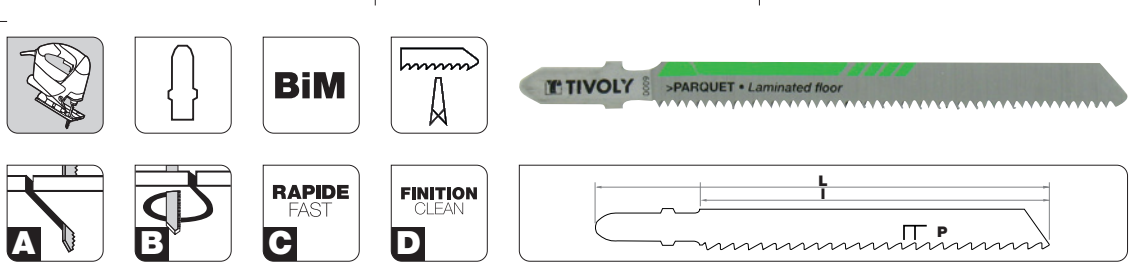
Infissi in legno

XT50222	EAN	ABCD	L	I	P	EP	QTY	PCB
XT505520008	3221910898519	A I D	100	75	2,5	3-30	2	3

JIG SAW BLADE I PARQUET

PARQUET/ HOJAS DE SIERRA DE CALAR

PARQUET I LAME PER SEGHETTO ALTERNATIVO



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Parquet

Parquet

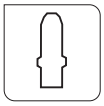
Parquet

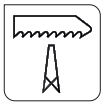
XT50232	EAN	ABCD	L	I	P	EP	QTY	PCB
XT505520009	3221910898526	A I D	100	75	2	3-30	2	3
XT505520010	3221910898533	B I D	100	75	2	1.5-15	2	3

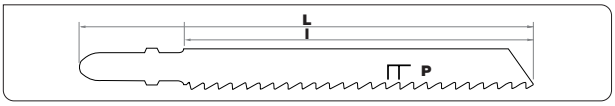
JIG SAW BLADE I WORKTOPS

ENCIMERA/ HOJAS DE SIERRA DE CALAR

PIANO DI LAVORO I LAME PER SEGHETTO ALTERNATIVO







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La flessibilità del dorso in acciaio a "molla" e la dentatura in acciaio rapido danno un efficacia di taglio eccezionale.

Worktops

Plan de trabajo

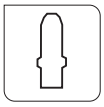
Piano di lavoro

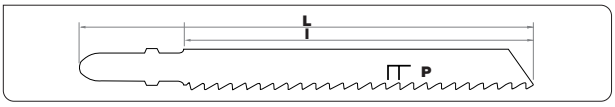
XT50242	EAN	ABCD	L	I	P	EP	QTY	PCB
XT505520012	3221910898557	A I D	100	75	2,5	3-50	2	3

JIG SAW BLADE I PLASTERBOARD

PLACAS DE YESO/ HOJAS DE SIERRA DE CALAR

CARTONGESSO I LAMA PER SEGHETTO ALTERNATIVO





Abrasion resistant Carbide metal blade = longer life

Metal de carburo muy resistente al abrasivo= duración mas larga

Metallo al carburo molto resistente all'abrasione con una maggior durata di vita.

Plaster

Escayola

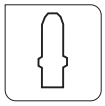
Intonaco

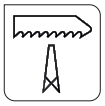
XT50272	EAN	ABCD	L	I	P	EP	QTY	PCB
XT505520016	3221910898595	A I C	132	100	4,3	5-50	1	3

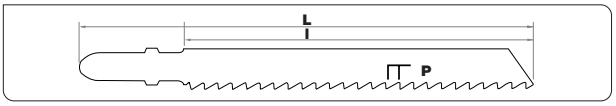
JIG SAW BLADE I PLASTICS

PLÁSTICO/HOJA SIERRA DE CALAR

PLASTICA I LAMA PER SEGHETTO ALTERNATIVO







Chrome vanadium blade for soft materials - wood & fibreboard

El CV es utilizado para trabajos en materiales blandos como la madera, paneles de fibras

Il cromo vanadio è usato per lavori su materiali teneri come il legno, pannelli in composito.

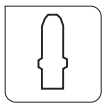
Plastic
Plástico
Plastica

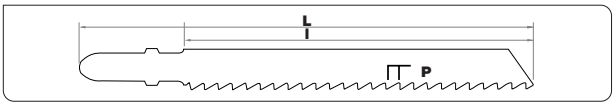
XT50292	EAN	ABCD	L	I	P	EP	QTY	PCB
XT505520004	3221910898472	A I D	100	75	2,5	4-30	2	6

JIGSAW BLADE I TILING

EMBALDOSADO/ HOJA DE CALAR

PIASTRELLE I LAMA PER SEGHETTO ALTERNATIVO





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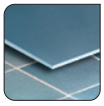
Metallo al carburo molto resistente all'abrasione con una maggior durata di vita.



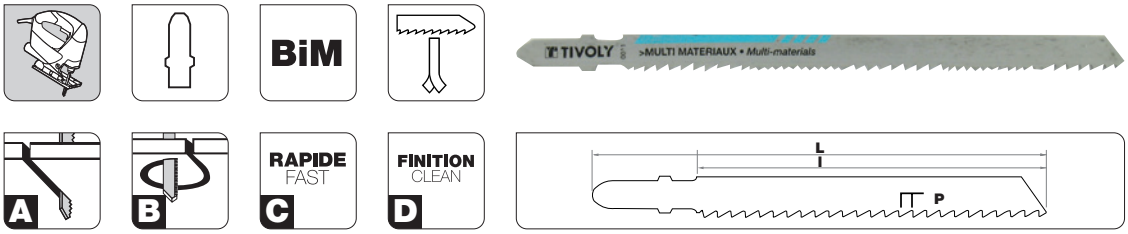
Tiles
Azulejo
Piastrelle

XT50302	EAN	ABCD	L	I	P	EP	QTY	PCB
XT505520018	3221910898618	A I C	75	50	-	5-15	1	3

JIG SAW BLADE I MULTI MATERIAL

MULTI-MATERIALES/HOJA SIERRA DE CALAR

MULTI-MATERIALI I LAMA PER SEGHETTO ALTERNATIVO



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La flessibilità del dorso in acciaio a "molla" e la dentatura in acciaio rapido danno un efficacia di taglio eccezionale.

Multi material

Multi-matriales

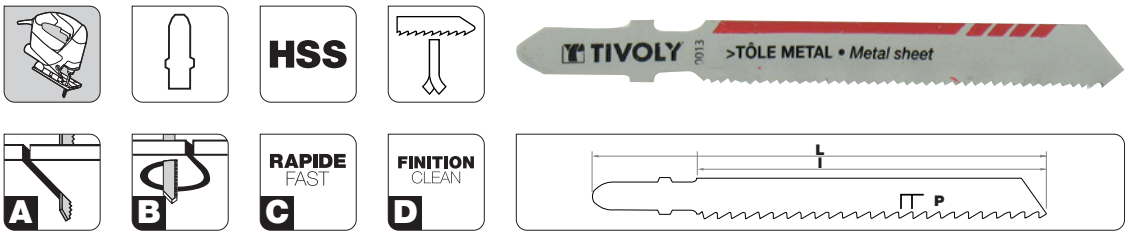
Multi-materiali

XT50312	EAN	ABCD	L	I	P	EP	QTY	PCB
XT505520011	3221910898540	A I C	132	110	1.8	3-100	2	3

JIGSAW BLADE I SHEET METAL

CHAPA METAL/ HOJAS DE SIERRA DE CALAR

LAMIERA I LAMA PER SEGHETTO ALTERNATIVO



HSS - used for working in hard material materials such as ferrous/non ferrous metals, & aluminium

HSS es utilizado para trabajos en los materiales más duros como metal, aluminio y metales no ferrosos

HSS è usato per lavori in materiali molto duri come metalli, ma anche alluminio e metalli non ferrosi.

Sheet Steel

Chapas

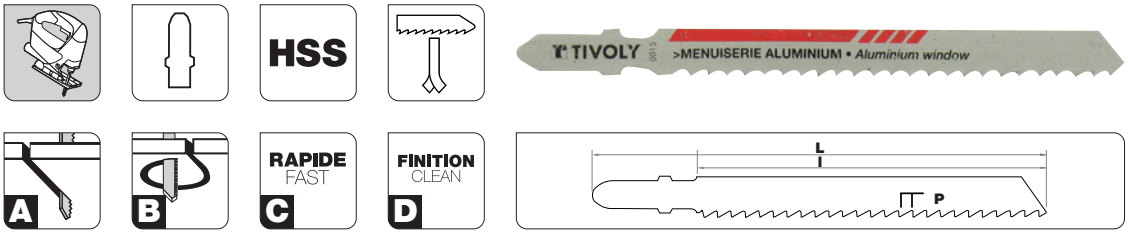
Lamiera

XT50252	EAN	ABCD	L	I	P	EP	QTY	PCB
XT505520013	3221910898564	A I D	75	50	1,2	1-3	2	6
XT505520014	3221910898571	A I D	?	0	?	2-10	2	6

JIG SAW BLADE I ALUMINIUM

ALUMINIO/ HOJAS DE SIERRA DE CALAR

ALLUMINIO I LAMA PER SEGHETTO ALTERNATIVO



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Aluminium Profiles

Perfiles aluminio

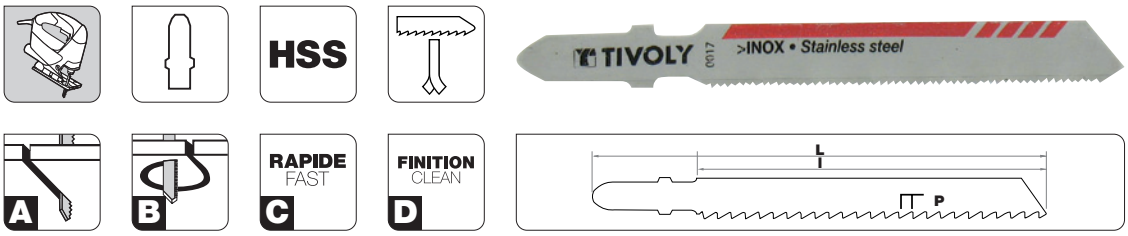
Profilo d'alluminio

XT50262	EAN	ABCD	L	I	P	EP	QTY	PCB
XT505520015	3221910898588	A I D	100	75	3	2-30	2	6

JIGSAW BLADE I STAINLESS STEEL

INOX/HOJA SIERRA DE CALAR

INOX I LAMA PER SEGHETTO ALTERNATIVO



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Stainless Steel

Aceros inoxidables

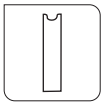
Acciai inossidabili

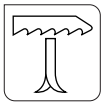
XT50282	EAN	ABCD	L	I	P	EP	QTY	PCB
XT505520017	3221910898601	A I D	75	50	0,9	0.5-1.5	2	3

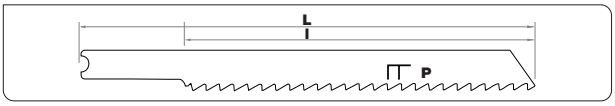
JIGSAW BLADE I SOFTWOODS & CHIPBOARD

MADERA BLANDA Y AGLOMERADO/ HOJA DE CALAR

LEGNO TENERO E AGGLOMERATI I LAMA PER SEGHETTO ALTERNATIVO







Chrome vanadium blade for soft materials - wood & fibreboard

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Soft wood & Chipboard

Madera blanda y aglomerado

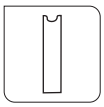
Legno tenero e agglomerati

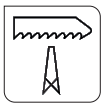
XT50402	EAN	ABCD	L	I	P	EP	QTY	PCB
XT505320031	3221910898083	B I C	75	50	2	1.5-15	2	6
XT505320032	3221910898090	A I C	132	110	4	5-100	2	6
XT505320033	3221910898106	B I D	75	50	1,3	1.5-15	2	6
XT505320036	3221910898137	A I D	100	75	4	5-50	2	6
XT505320037	3221910898144	A I C	100	75	4	5-50	2	6
XT505320049	3221910899189	A I D	100	75	2,5	3-50	2	6

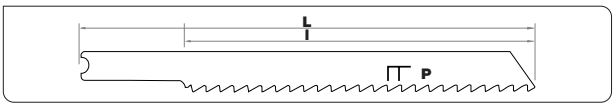
JIGSAW BLADE I FOR SHELVES

ESTANTERÍAS/HOJA SIERRA DE CALAR

SCAFFALI I LAME PER SEGHETTO ALTERNATIVO







Chrome vanadium blade for soft materials - wood & fibreboard

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Shelves

Estanterías

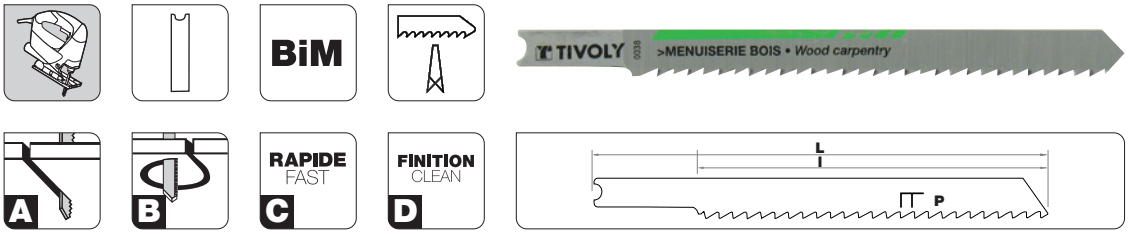
Scaffali

XT50412	EAN	ABCD	L	I	P	EP	QTY	PCB
XT505320035	3221910898120	A I D	100	75	2,5	3-30	2	6

JIGSAW BLADE I WOOD

CARPINTERÍA MADERA/HOJA SIERRA DE CALAR

INFISSI IN LEGNO I LAMA PER SEGHETTO ALTERNATIVO



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La flessibilità del dorso in acciaio a "molla" e la dentatura in acciaio rapido danno un efficacia di taglio eccezionale.

Wood Carpentry

Carpintería madera

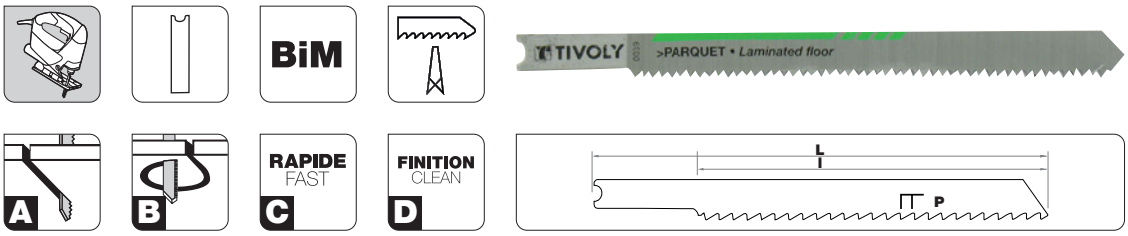
Infissi in legno

XT50422	EAN	ABCD	L	I	P	EP	QTY	PCB
XT505320038	3221910898151	A I D	100	75	2,5	3-30	2	3

JIG SAW BLADE I PARQUET

PARQUET/ HOJAS DE SIERRA DE CALAR

PARQUET I LAME PER SEGHETTO ALTERNATIVO



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Parquet

Parquet

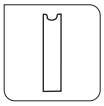
Parquet

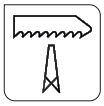
XT50432	EAN	ABCD	L	I	P	EP	QTY	PCB
XT505320039	3221910898168	A I D	100	75	2	3-30	2	3
XT505320040	3221910898175	B I D	100	75	2	1.5-15	2	3

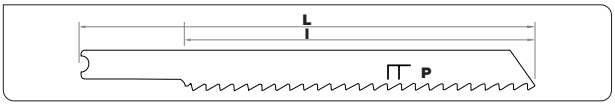
JIG SAW BLADE I WORKTOPS

ENCIMERA/ HOJAS DE SIERRA DE CALAR

PIANO DI LAVORO I LAME PER SEGHETTO ALTERNATIVO







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Worktops

Plan de trabajo

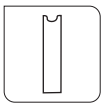
Piano di lavoro

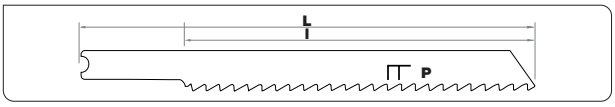
XT50442	EAN	ABCD	L	I	P	EP	QTY	PCB
XT505320042	3221910898199	A I D	100	75	2,5	3-50	2	3

JIG SAW BLADE I PLASTERBOARD

PLACAS DE YESO/ HOJAS DE SIERRA DE CALAR

CARTONGESSO I LAMA PER SEGHETTO ALTERNATIVO





Abrasion resistant Carbide metal blade = longer life

Metal de carburo muy resistente al abrasivo= duración mas larga

Metallo al carburo molto resistente all'abrasione con una maggior durata di vita.

Plaster

Escayola

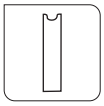
Intonaco

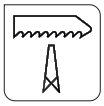
XT50492	EAN	ABCD	L	I	P	EP	QTY	PCB
XT505320046	3221910898236	A I C	132	100	4,3	5-50	1	3

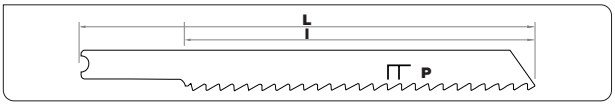
JIG SAW BLADE I PLASTICS

PLÁSTICO/HOJA SIERRA DE CALAR

PLASTICA I LAMA PER SEGHETTO ALTERNATIVO







Chrome vanadium blade for soft materials - wood & fibreboard

El CV es utilizado para los trabajos en los materiales blandos como la madera, paneles de fibras.

Il cromo vanadio è usato per lavori su materiali teneri come il legno, pannelli in composito.

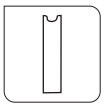
Plastic
Plástico
Plastica

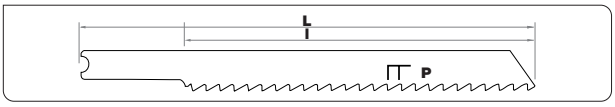
XT50482	EAN	ABCD	L	I	P	EP	QTY	PCB
XT505320034	3221910898113	A I D	100	75	2,5	4-30	2	6

JIGSAW BLADE I TILING

EMBALDOSADO/ HOJA DE SIERRA DE CALAR

PIASTRELLE I LAMA PER SEGHETTO ALTERNATIVO





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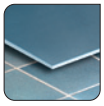
Metallo al carburo molto resistente all'abrasione con una maggior durata di vita.



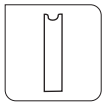
Tiles
Azulejo
Piastrelle

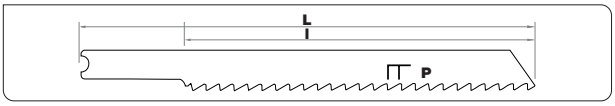
XT50702	EAN	ABCD	L	I	P	EP	QTY	PCB
XT505320048	3221910898250	A I C	75	50	-	5-15	1	3

JIG SAW BLADE I MULTI MATERIAL

MULTI-MATERIALES/HOJA SIERRA DE CALAR

MULTI-MATERIALI I LAMA PER SEGHETTO ALTERNATIVO





Flexible HCS blade body with hard HSS teeth = exceptional cutting performance

La flexibilidad del reverso en acero a "muelle" y dentado en acero rápido = eficacia de corte excepcional

La flessibilità del dorso in acciaio a "molla" e la dentatura in acciaio rapido danno un efficacia di taglio eccezionale.

Multi material

Multi-matriales

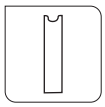
Multi-materiali

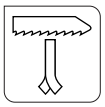
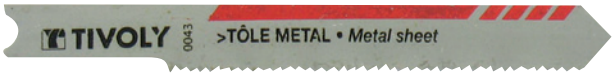
XT50712	EAN	ABCD	L	I	P	EP	QTY	PCB
XT505320041	3221910898182	A I C	132	110	1.8	3-100	2	3

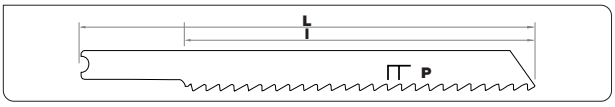
JIGSAW BLADE I SHEET METAL

CHAPA METAL/ HOJAS DE SIERRA DE CALAR

LAMIERA I LAMA PER SEGHETTO ALTERNATIVO





HSS - used for working in hard material materials such as ferrous/non ferrous metals, & aluminium

HSS es utilizado para trabajos en los materiales más duros como metal, aluminio y metales no ferrosos

HSS è usato per lavori in materiali molto duri come metalli, ma anche alluminio e metalli non ferrosi.

Sheet Steel

Chapas

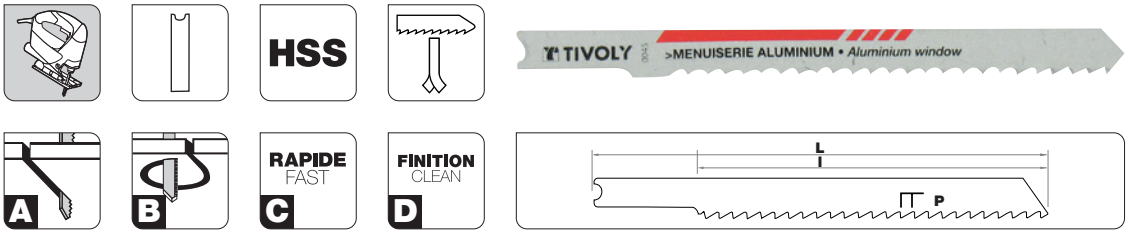
Lamiera

XT50452	EAN	ABCD	L	I	P	EP	QTY	PCB
XT505320043	3221910898205	A I D	75	50	1,2	1-3	2	6
XT505320044	3221910898212	A I D	100	75	?	2-10	2	6

JIG SAW BLADE I ALUMINIUM

ALUMINIO/ HOJAS DE SIERRA DE CALAR

ALLUMINIO I LAMA PER SEGHETTO ALTERNATIVO



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Aluminium Profiles

Perfiles aluminio

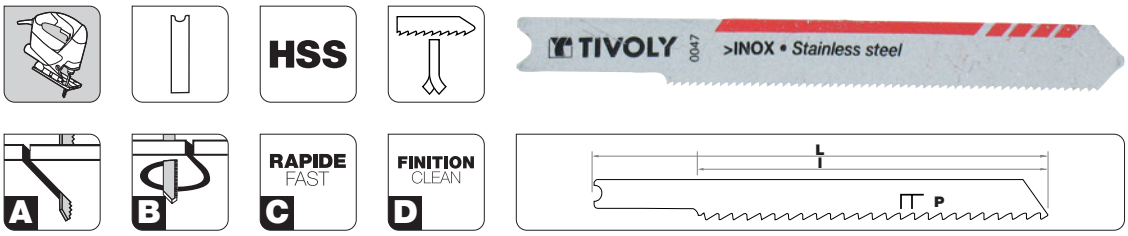
Profilo d'alluminio

XT50462	EAN	ABCD	L	I	P	EP	QTY	PCB
XT50532**0045**	3221910898229	A I D	100	75	3	2-30	2	6

JIGSAW BLADE I STAINLESS STEEL

INOX/HOJA SIERRA DE CALAR

INOX I LAMA PER SEGHETTO ALTERNATIVO



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Stainless Steel

Aceros inoxidables

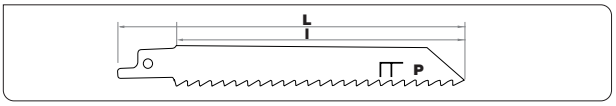
Acciai inossidabili

XT50472	EAN	ABCD	L	I	P	EP	QTY	PCB
XT50532**0047**	3221910898243	A I D	75	50	0,9	0.5-1	2	3

RECIPROCATING SAW BLADE | LOPPING

PODA/HOJA SIERRA SABLE

POTATURA I LAME PER SEGA DRITTA



Chrome vanadium blade for soft materials - wood & fibreboard

El CV es utilizado para los trabajos en los materiales blandos como la madera, paneles de fibras.

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Lopping

Tala

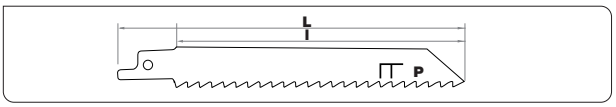
Potatura

XT51002	EAN	ABCD	L	EP	QTY	PCB
XT505820100	3221910898342	A I B I C	150	20-100	2	3
XT505820108	3221910899233	A I C	230	20-150	2	3

RECIPROCATING SAW BLADE | PLASTICS

PLÁSTICO/HOJA SIERRA DE SABLE

PLASTICA I LAMA PER SEGA DRITTA



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Plastic

Plástico

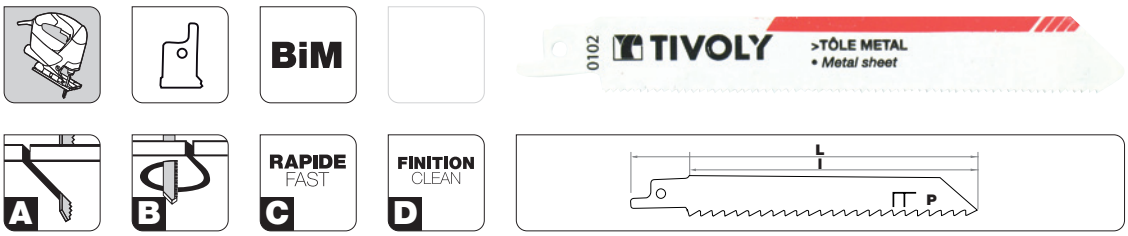
Plastica

XT51012	EAN	ABCD	L	EP	QTY	PCB
XT505820101	3221910898359	A I B I C	150	6-100	2	3
XT505820106	3221910898403	A I D	300	6-250	2	3

RECIPROCATING SAW BLADE I SHEET METAL

CHAPA METAL/HOJA DE SIERRA SABLE

LAMIERA I LAMA PER SEGA DRITTA



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Sheet Steel

Chapas

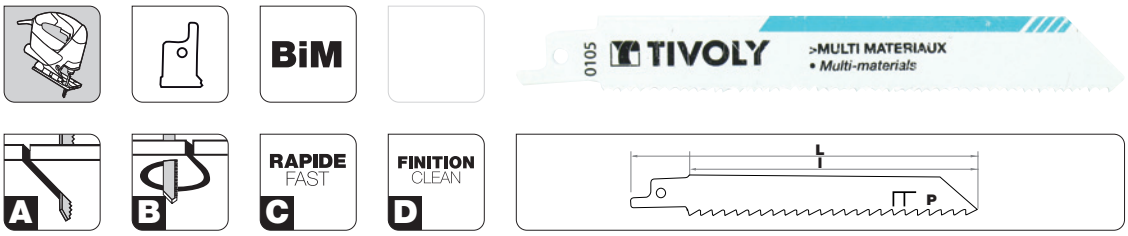
Lamiera

XT51022	EAN	ABCD	L	EP	QTY	PCB
XT505820102	3221910898366	A I D	150	2-8	2	3
XT505820103	3221910898373	A I D	150	1-3	2	3

RECIPROCATING SAW BLADE I MULTI MATERIAL

MULTI-MATERIALES/HOJA SIERRA SABLE

MULTI-MATERIALI I LAMA PER SEGA DRITTA



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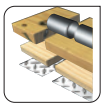


Multi material

Multi-matriales

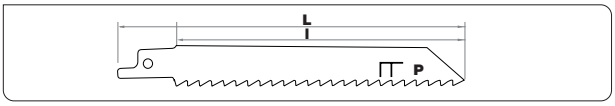
Multi-materiali

XT51032	EAN	ABCD	L	EP	QTY	PCB
XT505820104	3221910898380	A I C	200	3-150	2	3
XT505820105	3221910898397	A I C	150	3-100	2	3

JIGSAW BLADE I ABRASIVE MATERIALS

MATERIALES ABRASIVOS/ HOJA DE SIERRA SABLE

MATERIALI ABRASIVI I LAMA PER SEGA DRITTA



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Fibercement

fibrocemento

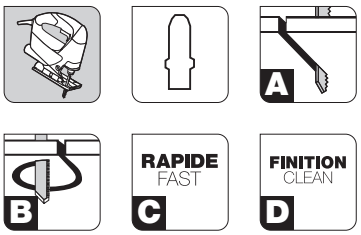
Fibrocemento

XT51042	EAN	ABCD	L	EP	QTY	PCB
XT505820107	3221910898410	A I C	150	6-100	1	3

JIG SAW BLADE 10PCE SET I T SHNK

MIXTO/ ESTUCHE 10 HOJAS

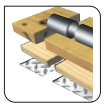
MISTE I COFANETTO DI 10 LAME



XT50572004300

3128820043001

QTY	PCB	€
10	3	



4 blades A I B I C I D for softwoods & chipboard / 2 blades A I D for plastics / 2 blades A I D for shelves/ 2 blades A I D for sheet steel

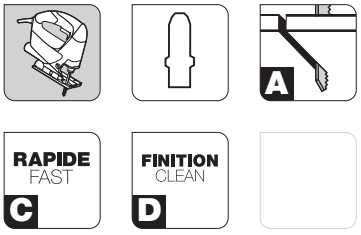
Madera blanda y aglomerado: 4 hojas de corte A I B I C I D / Plástico: 2 hojas corte A I D / Estanterías: 2 hojas corte A I D / Chapa Metal: 2 hojas corte A I D

Legno tenero e agglomerato: 4 lame a tazza A I B I C I D / plastica: 2 lame a tazza A I D / Ripiani: 2 lame a tazza A I D / lamiera: 2 lame a tazza A I D.

JIG SAW BLADE 10PCE SET I T SHNK

MIXTO/ ESTUCHE 10 HOJAS

MISTE I COFANETTO DI 10 LAME



XT50557505500

3128825055009

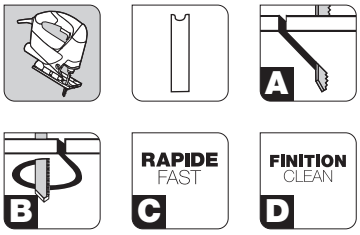
QTY	PCB	€
10	8	

10 blade asstmt for wood/metal

10 hojas para metal y madera

10 Lame per metallo e legno

JIG SAW BLADE 10PCE SET I T SHNK



4 blades A I B I C I D for softwoods & chipboard / 2 blades A I D for plastics / 2 blades A I D for shelves/ 2 blades A I D for sheet steel

MIXTO/ ESTUCHE 10 HOJAS

Madera blanda y aglomerado: 4 hojas de corte A I B I C I D / Plástico: 2 hojas corte A I D / Estanterías: 2 hojas corte A I D / Chapa Metal: 2 hojas corte A I D

MISTE I COFANETTO DI 10 LAME

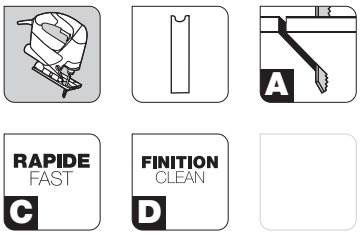
XT50572004304

3128820043049

QTY	PCB	€
10	3	

Legno tenero e agglomerato: 4 lame a tazza A I B I C I D / plastica: 2 lame a tazza A I D / Ripiani: 2 lame a tazza A I D / lamiera: 2 lame a tazza A I D.

JIG SAW BLADE 10PCE SET I T SHNK



10 blade asstmt for wood/metal

MIXTO/ ESTUCHE 10 HOJAS

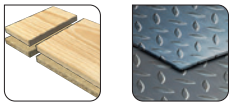
10 hojas para metal y madera

MISTE I COFANETTO DI 10 LAME

XT50537505300

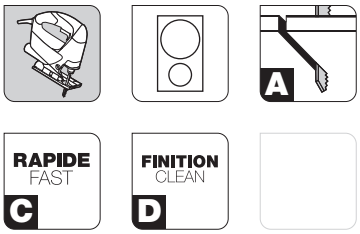
3128825053005

QTY	PCB	€
10	8	



10 Lame per metallo e legno

JIGSAW BLADE 5PCE SET I MAKITA SHNK



2 blades A I C I D for softwoods & chipboard / 1 blade A I D for plastics / 1 blade A I D for sheet steel

MIXTO/ 5 HOJAS MAKITA

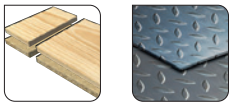
Madera blanda & aglomerado: 2 hojas de corte A I C I D / Plástico: 1 hoja de corte A I D Chapa Metal: 1 hoja corte A I D

MISTE I 5 LAME MAKITA

XT50572004311

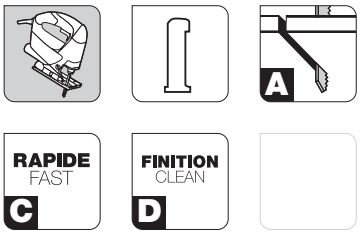
3221910899257

QTY	PCB	€
5	3	



Legno tenero e agglomerato: 2 lame a tazza A I C I D / Plastica: 1 lama a tazza A I D / Lamiera: 1 lama a tazza A I D.

JIG SAW BLADE 5PCE SET I PEUGEOT SHNK



4 blades A I C I D for softwoods & chipboard / 1 blade A I D for sheet steel

MIXTO/ 5 HOJAS PEUGEOT

Madera blanda & aglomerado: 4 hojas de corte A I C I D / Chapa metal: 1 hoja de corte A I D

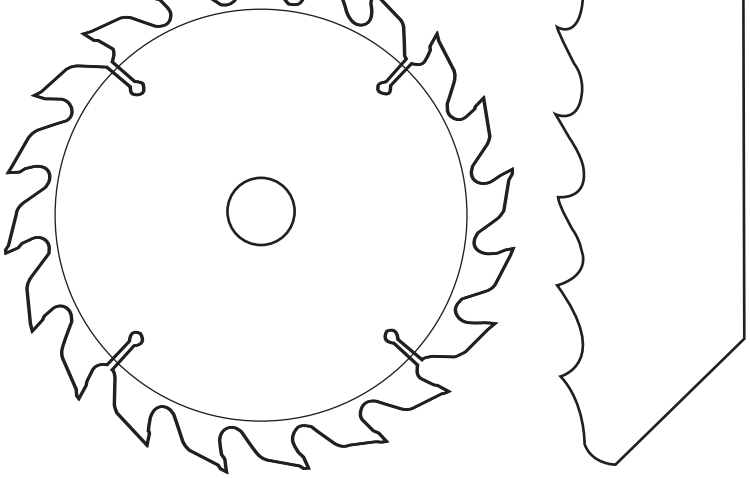
MISTE I 5 LAME PEUGEOT

XT50572004310

3128820043100

QTY	PCB	€
5	3	

Legno tenero e agglomerato: 4 lame a tazza A I C I D / lamiera: 1 lama a tazza A I D.



JIG SAW BLADES 624
SIERRAS DE CALAR
SEGHETTO ALTERNATIVO

Jig Saw Blades. Sierras de calar. seghetto alternativo. #14
Reciprocating Saws. sierras sable. Seghetto universale.
638 Sets. Estuches. Cofanetti.

CIRCULAR SAW BLADES 642
SIERRA CIRCULAR
SEGHE CIRCOLARI

Circular Saw Blades. Sierra circular. Seghe Circolari. #14
Accessories. Accesorios. Accessori.

HOLESAWS 650
SIERRA CORONA
SEGHE A TAZZA

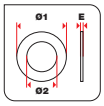
For Wood & Plasterboard. Sierras corona para madera.Seghe a tazza per legno e cartongesso. #14
For Metal. Sierra corona para metal. Seghe a tazza per metallo.
For Masonry. Sierra de trepanar para hormigón. Seghe a tazza per cemento.
Diamond Holesaws for Tiles and Masonry. Sierra diamante para azulejo y gres. Seghe diamantate per piastrelle & gres.
660 Sets. Estuches. Cofanetti.

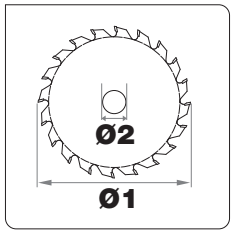
#14

PORTABLE CIRCULAR SAW BLADE | RIP CUTTING

RENDIMIENTO/ HOJAS DE SIERRA CIRCULAR/ SIERRA PORTÁTIL

TAGLIO LUNGO I LAMA PER SEGA CIRCOLARE I SEGA PORTATILE





Excellent for fast & clean cuts in wood

Principalmente adaptado al serrado rápido y propio a la madera.

Particolarmente adattato ad una taglio rapido e pulito del legno.

Hard Wood
Madera dura
Legno duro

Rafters
Sparren
travetti

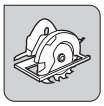
Plaster
Escayola
Intonaco

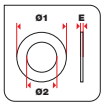
XT50024	EAN	Ø1	Ø2	Z	E1	E2	QTY	PCB
XT50514004121	3128820041212	125	20	20	1.5	2.45	1	1
XT50514004126	3128820041267	130	20	20	1.5	2.45	1	1
XT50514004136	3128820041366	140	20	20	1.5	2.45	1	1
XT50514004148	3128820041489	150	20	20	1.5	2.45	1	1
XT50514004156	3128820041564	156	12.7	20	1.5	2.45	1	1
XT50514004163	3128820041632	160	20	20	1.5	2.45	1	1
XT50514004123	3221912006370	160	30	20	1.5	2.45	1	1
XT50514004431	3128820044312	170	20	20	1.5	2.45	1	1
XT50514004166	3128820041663	170	30	20	1.5	2.45	1	1
XT50514004172	3128820041724	180	20	24	1.6	2.6	1	1
XT50514004171	3128820041717	180	30	24	1.6	2.6	1	1
XT50514004184	3128820041847	184	20	24	1.6	2.6	1	1
XT50514004185	3221912006431	184	30	24	1.6	2.6	1	1
XT50514004432	3128820044329	190	20	24	1.7	2.8	1	1
XT50514004434	3128820044343	190	30	24	1.7	2.8	1	1
XT50514004174	3128820041748	200	30	24	1.7	2.8	1	1
XT50514004435	3128820044350	210	30	24	1.7	2.8	1	1
XT50514004436	3128820044367	230	30	24	1.8	2.85	1	1
XT50514004438	3128820044381	235	30	24	1.8	2.85	1	1
XT50514004453	3128820044534	250	30	30	1.5	2.45	1	1

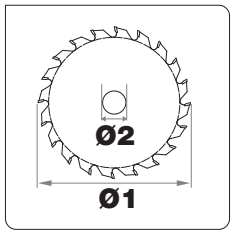
CIRCULAR SAW BLADE - FINE FINISH | FOR PORTABLE SAWS

ACABADO | HOJAS DE SIERRA CIRCULAR | SIERRA PORTÁTIL

FINITURA | LAME DI SEGA CIRCOLARE | SEGA PORTATILE





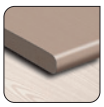


Perfect for precision cutting - for fine cuts with flawless surface finish & minimum tear out

Perfectamente adaptado al serrado preciso y limpio, que requiere una superficie de corte perfecta y sin astillas

Perfettamente adatto per il taglio accurato e attento, ottenendo uno stato di superficie di taglio perfetto e senza schegge.

Hard Wood
Madera dura
Legno duro



Laminates
Madera estratificada
Legno stratificato

Parquet
Parquet
Parquet

XT50034	EAN	Ø1	Ø2	Z	E1	E2	QTY	PCB
XT50514004164	3221912006400	130	20	30	1.5	2.45	1	1
XT50514004165	3221912006417	140	20	30	1.5	2.45	1	1
XT50514004149	3128820041496	150	20	30	1.5	2.45	1	1
XT50514004168	3128820041687	156	12.7	30	1.5	2.45	1	1
XT50514004440	3128820044404	160	20	30	1.5	2.45	1	1
XT50514004441	3128820044411	160	30	30	1.5	2.45	1	1
XT50514004412	3128820044121	170	20	30	1.5	2.45	1	1
XT50514004443	3128820044435	170	30	30	1.5	2.45	1	1
XT50514004428	3128820044282	180	20	40	1.6	2.6	1	1

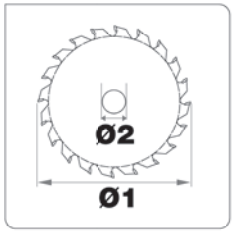
XT50034	EAN	Ø1	Ø2	Z	E1	E2	QTY	PCB
XT50514004444	3128820044442	180	30	40	1.6	2.6	1	1
XT50514004179	3128820041793	184	20	40	1.6	2.6	1	1
XT50514004178	3221912006424	184	30	40	1.6	2.6	1	1
XT50514004445	3128820044459	190	20	40	1.7	2.8	1	1
XT50514004183	3128820041830	190	30	40	1.7	2.8	1	1
XT50514004409	3128820044091	200	30	40	1.7	2.8	1	1
XT50514004447	3128820044473	210	30	40	1.7	2.8	1	1
XT50514004448	3128820044480	230	30	40	1.8	2.85	1	1
XT50514004450	3128820044503	235	30	40	1.8	2.85	1	1
XT50514004451	3221912006448	250	30	48	1.8	2.85	1	1

#14

CIRCULAR SAW BLADE - JOBSITE | FOR PORTABLE SAWS

CONSTRUCCIÓN | HOJAS DE SIERRA CIRCULAR | SIERRA PORTÁTIL

CANTIERE | LAME DI SEGA CIRCOLARE | SEGA PORTATILE



For cutting of woods with nails, screws, concrete etc - construction/carpentry timber, reclaimed wood & forming timber

Concebido para el serrado de madera con cuerpos extraños, madera de obra, madera de recuperación, madera de

Progettato per tagliare legno con corpi estranei, costruzioni in legno, legname, legno di scarto, Rivestimenti in legno ...

Wood with nails

Madera con clavos

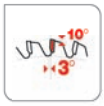
Legno con chiodi

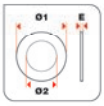
XT50014	EAN	Ø1	Ø2	Z	E1	E2	QTY	PCB
XT50514004133	3128820041335	130	20	12	1.5	2.45	1	1
XT50514004134	3128820041342	140	20	12	1.5	2.45	1	1
XT50514004140	3128820041403	150	20	12	1.5	2.45	1	1
XT50514004141	3128820041410	160	20	12	1.5	2.45	1	1
XT50514004142	3128820041427	180	30	12	1.5	2.45	1	1
XT50514004143	3128820041434	184	30	12	1.5	2.45	1	1
XT50514004144	3128820041441	190	30	12	1.5	2.45	1	1
XT50514004150	3128820041502	210	30	14	1.7	2.65	1	1
XT50514004151	3128820041519	230	30	14	1.85	2.8	1	1

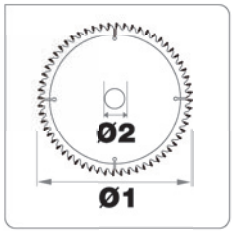
CIRCULAR SAW BLADE FOR NON FERROUS METALS I FOR PORTABLE SAWS

METALES NO FERROSOS I HOJAS DE SIERRA CIRCULAR I SIERRA PORTÁTIL

METALLI NON FERROSI I LAME DI SEGA CIRCOLARE I SEGA PORTATILE





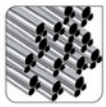


Perfect for fine finish & precise cuts in soft & non ferrous metals,PVC,aluminium sheets & profiles

Ideal par un corte preciso y sin astillas en metales blandos, no ferrosos, PVC, cuadros y chapas de aluminio

Ideale per il taglio preciso, senza schegge in metalli teneri, non ferrosi, cornici, PVC e lastre di alluminio.

Plastic
Plástico
Plastica



Stainless Steel
Aceros inoxidables
Acciai inossidabili

Aluminium Profiles
Perfiles aluminio
Profilo d'alluminio

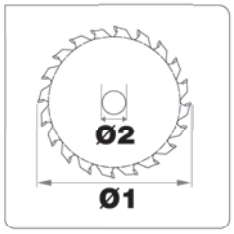
Wood
Madera
Legno

XT50044	EAN	Ø1	Ø2	Z	E1	E2	QTY	PCB
XT50514004124	3128820041243	130	20	40	1.5	2.5	1	1
XT50514004127	3128820041274	140	20	40	1.5	2.5	1	1
XT50514004128	3128820041281	150	30	40	1.5	2.5	1	1
XT50514004129	3221912006387	156	20	40	1.5	2.5	1	1
XT50514004460	3128820044602	160	20	40	1.5	2.5	1	1
XT50514004461	3128820044619	180	20	60	1.6	2.5	1	1
XT50514004162	3221912006394	180	30	60	1.6	2.5	1	1
XT50514004411	3128820044114	184	20	60	1.6	2.5	1	1
XT50514004462	3128820044626	190	30	60	1.7	2.5	1	1
XT50514004463	3128820044633	210	30	60	1.7	2.5	1	1
XT50514004464	3128820044640	230	30	60	1.85	2.8	1	1

CIRCULAR SAW BLADE - RIPCUT I FOR STATIONARY & TABLE SAWS

RENDIMIENTO I HOJAS DE SIERRA CIRCULAR I SIERRA ESTACIONARIA I SIERRA DE MESA

PORTATA I LAME DI SEGA CIRCOLARE I SEGA FISSA I SEGA DA TAVOLO



Specially designed for fast/clean cuts in wood

Particularmente adaptado a serrados rápidos y propios de madera.

Particolarmente indicato per un taglio legno veloce e pulito.

Hard Wood
Madera dura
Legno duro

Rafters
Sparren
travetti

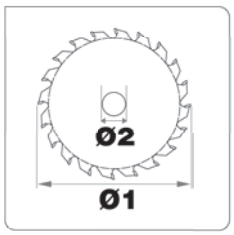
Plaster
Escayola
Intonaco

XT50064	EAN	Ø1	Ø2	Z	E1	E2	QTY	PCB
XT50514004480	3128820044800	250	30	40	2.2	3	1	1
XT50514004481	3128820044817	300	30	48	2.2	3.2	1	1
XT50514004482	3128820044824	350	30	48	2.5	3.5	1	1

CIRCULAR SAW BLADE - FINE FINISH | FOR STATIONARY & TABLE SAWS

ACABADO | HOJAS DE SIERRA CIRCULAR | SIERRA ESTACIONARIA | SIERRA DE MESA

FINITURA | LAME DI SEGA CIRCOLARE | SEGA FISSA | SEGA DA TAVOLO



Perfect for precision cutting - for fine cuts with flawless surface finish & minimum tear out

Perfectamente adaptado al serrado preciso y cuidado, que demanda una superficie de corte perfecta y sin fragmentos

Perfettamente adatto per il taglio accurato e attento, ottenendo uno stato di superficie di taglio perfetto e senza schegge.

Hard Wood
Madera dura
Legno duro

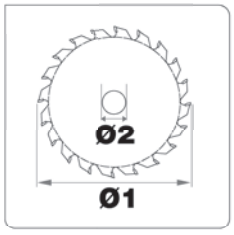
Laminates
Madera estratificada
Legno stratificato

XT50074	EAN	Ø1	Ø2	Z	E1	E2	QTY	PCB
XT50514004483	3128820044831	250	30	80	2	3	1	1
XT50514004484	3128820044848	300	30	96	2.2	3.2	1	1
XT50514004486	3221912006479	315	30	96	2.2	3.2	1	1
XT50514004485	3128820044855	350	30	96	2.5	3.2	1	1

CIRCULAR SAW BLADE - RIPCUT | FOR STATIONARY & RADIAL ARM SAWS

RENDIMIENTO | HOJAS DE SIERRA CIRCULAR | SIERRA ESTACIONARIA | SIERRA RADIAL

PORTATA | LAME DI SEGA CIRCOLARE | SEGA FISSA | SEGA RADIALE



Specially designed for fast/clean cuts in wood

Particularmente adaptado al serrado rápido y propio de la madera

Particolarmente indicato per un taglio legno veloce e pulito.

Hard Wood
Madera dura
Legno duro

Rafters
Sparren
travetti

Plaster
Escayola
Intonaco

XT50114	EAN	Ø1	Ø2	Z	E1	E2	QTY	PCB
XT50514004470	3128820044701	210	30	40	1.7	2.6	1	1
XT50514004471	3128820044718	250	30	40	2	3	1	1
XT50514004472	3128820044725	254	30	40	2	3	1	1
XT50514004473	3128820044732	300	30	40	2.2	3.2	1	1

CIRCULAR SAW BLADE - FINE FINISH | FOR STATIONARY & RADIAL ARM SAWS

ACABADO | HOJAS DE SIERRA CIRCULAR | SIERRA ESTACIONARIA | SIERRA RADIAL

FINITURA | LAME DI SEGA CIRCOLARE | SEGA FISSA | SEGA RADIALE

Perfect for precision cutting - for fine cuts with flawless surface finish & minimum tear out

Perfectamente adaptado al serrado preciso y cuidado, que demanda una superficie de corte perfecta y sin fragmentos

Perfettamente adatto per il taglio accurato e attento, ottenendo uno stato di superficie di taglio perfetto e senza schegge.

Hard Wood
Madera dura
Legno duro

Laminates
Madera estratificada
Legno stratificato

XT50124	EAN	Ø1	Ø2	Z	E1	E2	QTY	PCB
XT50514004474	3128820044749	210	30	80	1.7	2.65	1	1
XT50514004478	3221912006455	216	30	80	1.7	2.65	1	1
XT50514004475	3128820044756	250	30	80	2	3	1	1
XT50514004476	3128820044763	254	30	80	2	3	1	1
XT50514004477	3128820044770	300	30	96	2.2	3.2	1	1
XT50514004479	3221912006462	305	30	96	2.2	3.2	1	1

CIRCULAR SAW BLADE - NON FERROUS METALS | FOR STATIONARY & TABLE SAWS

METALES NO FERROSOS | SIERRA ESTACIONARIA | SIERRA RADIAL Y MESA

METALLI NON FERROSI | SEGA FISSA | SEGA RADIALE & DA TAVOLO

Perfect for fine finish & precise cuts in soft & non ferrous metals,PVC,aluminium sheets & profiles

Ideal para un corte preciso y sin fragmentos en metales blandos, no ferrosos, PVC, marcos y chapas de aluminio.

Ideale per il taglio preciso, senza schegge in metalli teneri, non ferrosi, cornici, PVC e lastre di alluminio.

Plastic
Plástico
Plastica

Stainless Steel
Aceros inoxidables
Acciai inossidabili

Aluminium Profiles
Perfiles aluminio
Profilo d'alluminio

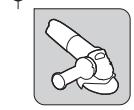
Wood
Madera
Legno

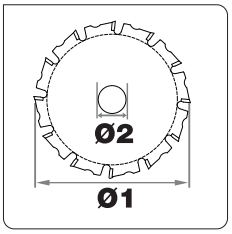
XT50134	EAN	Ø1	Ø2	Z	E1	E2	QTY	PCB
XT50514004490	3128820044909	210	30	80	1.6	2.6	1	1
XT50514004491	3128820044916	250	30	80	2	3	1	1
XT50514004492	3128820044923	254	30	80	2	3	1	1
XT50514004493	3128820044930	300	30	80	2.2	3.2	1	1
XT50514004494	3128820044947	350	30	90	2.5	3.5	1	1

SHAPING DISC - COARSE FINISH | FOR ANGLE GRINDER

RENDIMIENTO | DISCO PARA ESCULPIR | AMOLADORA

PORTATA | DISCO A SCOLPIRE | SMERIGLIATRICE





Disc designed for large range of applications: sculpting , trimming of rough wood, roughing beams

Gran diversidad de utilización: bocetos de escultura, talla de madera, envejecimiento de vigas.

Disco con una vasta gamma di utilizzo: progetti di scultura, intaglio di grossi pezzi di legno, e travi in legno.

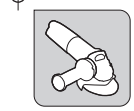
Wood
Madera
Legno

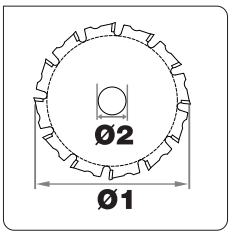
XT50092	EAN	Ø1	Ø2	Z	E1	QTY	PCB
XT50512004515	3128820045159	115	22.2	4	1.5	1	3
XT50512004525	3128820045258	125	22.2	4	1.5	1	3

SHAPING DISC - FINE FINISH | | FOR ANGLE GRINDER

ACABADO | DISCO PARA ESCULPIR | AMOLADORA

FINITURA | DISCO A SCOLPIRE | SMERIGLIATRICE





Disc designed for large range of applications: sculpting , trimming of rough wood, roughing beams

Gran diversidad de utilización: bocetos de escultura, talla de madera, envejecimiento de vigas.

Disco con una vasta gamma di utilizzo: progetti di scultura, intaglio di grossi pezzi di legno, e travi in legno.

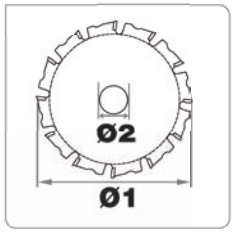
Wood
Madera
Legno

XT50082	EAN	Ø1	Ø2	Z	E1	QTY	PCB
XT50512004505	3128820045050	115	22.2	6	1.5	1	3
XT50512004510	3128820045104	125	22.2	6	1.5	1	3

SHAPING DISC - WOOD & NAIL RESISTANT I FOR ANGLE GRINDER

MADERA CON CUERPOS EXTRAÑOS I DISCO PARA ESCULPIR I AMOLADORA

LEGNO CON CORPO ESTRANEO I DISCO A SCOLPIRE I SMERIGLIATRICE



Disc designed for large range of applications: sculpting , trimming of rough wood, roughing beams

Gran diversidad de utilización: bocetos de escultura, talla de madera, envejecimiento de vigas.

Disco con una vasta gamma di utilizzo: progetti di scultura, intaglio di grossi pezzi di legno, e trav. in legno.

Wood with nails

Madera con clavos

Legno con chiodi

XT50102	EAN	Ø1	Ø2	Z	E1	QTY	PCB
XT50512004535	3128820045357	115	22.2	12	1.5	1	3
XT50512004545	3128820045456	125	22.2	12	1.5	1	3
XT50512004555	3221912006363	180	22,2	12	1.5	1	1

REDUCTION RINGS I FOR CIRCULAR SAW BLADES

ANILLOS DE REDUCCIÓN I SIERRA CIRCULAR

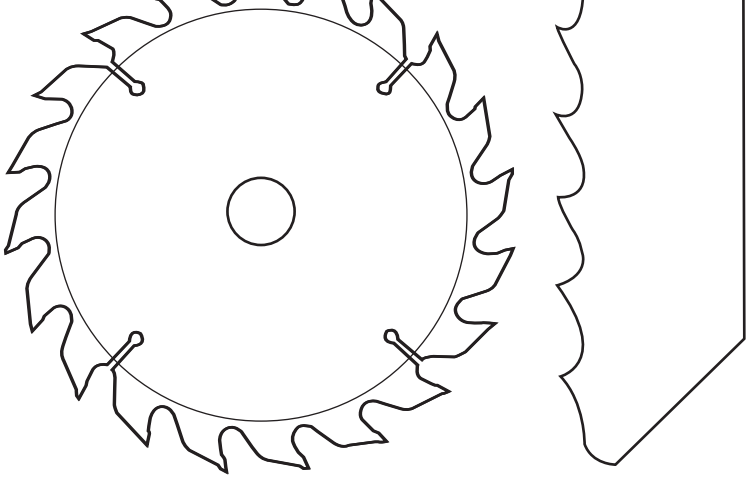
ANELLO DI REDUZIONE I SEGA CIRCULARE

Ensure that the ring used is sufficiently large and is fixed firmly in place. For safety reasons the ring must be suitable

Durante la utilización, asegurarse que los anillos sean suficientemente anchos y no se muevan. Por razones de seguridad

Quando si utilizza, assicurarsi che gli anelli siano abbastanza larghi e non si spostino. Per ragioni di sicurezza, non è possibile

XT50052	EAN	Ø1	Ø2	E1	QTY	PCB
XT50512004240	3128820042400	30	25	1.4	1	1
XT50512004250	3128820042509	30	24	1.4	1	1
XT50512004235	3128820042356	30	20	1.4	1	1
XT50512004230	3128820042301	30	18	1.4	1	1
XT50512004265	3128820042653	30	16	1.4	1	1
XT50512004255	3128820042554	25	20	1.4	1	1
XT50512004260	3128820042608	20	16	1.4	1	1
XT50512004245	3128820042455	20	13	1.4	1	1
XT50512004270	3128820042707	16	13	1.4	1	1



JIG SAW BLADES 624
SIERRAS DE CALAR
SEGHETTO ALTERNATIVO 638

Jig Saw Blades. Sierras de calar. seghetto alternativo. #14
Reciprocating Saws. sierras sable. Seghetto universale.
Sets. Estuches. Cofanetti.

CIRCULAR SAW BLADES 642
SIERRA CIRCULAR
SEGHE CIRCOLARI

Circular Saw Blades. Sierra circular. Seghe Circolari. #14
Accessories. Accesorios. Accessori.

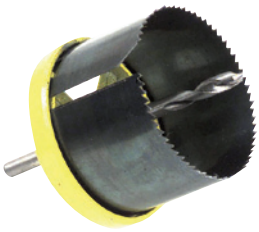
HOLESAWS 650
SIERRA CORONA
SEGHE A TAZZA

For Wood & Plasterboard. Sierras corona para madera.Seghe a tazza per legno e cartongesso. #14
For Metal. Sierra corona para metal. Seghe a tazza per metallo.
For Masonry. Sierra de trepanar para hormigón. Seghe a tazza per cemento.
Diamond Holesaws for Tiles and Masonry. Sierra diamante para azulejo y gres. Seghe diamantate per piastrelle & gres.
660 Sets. Estuches. Cofanetti.

HCS HOLESAW I SINGLE BLADE I INFREQUENT USE

SIERRA CORONA HCS/1HOJA/USO OCASIONAL

SEGA A TAZZA HCS I 1 LAMA I USO OCCASIONALE



HCS teeth. Ideal for making holes for pipes & tubes + electrical casings

Acero al Carbono. Ideal para pasar tuberías, conductos y caja eléctrica empotrada

Acciaio al carbonio. Ideale per il passaggio di tubi, condotti e muratura di scatole a incasso.

Hard Wood
Madera dura
Legno duro

Laminates
Madera estratificada
Legno stratificato

Softwood
Madera blanda
legno tenero

XT51992	EAN	Ø	l	QTY	PCB
XT50522052100	3128820521004	40	40	1	3
XT50522052102	3128820521028	51	40	1	3
XT50522052104	3128820521042	57	40	1	3
XT50522052004	3128820520045	65 Hexa	40	1	3
XT50522000675	3128820006754	65 Hexa	40	1	12
XT50522052106	3128820521066	68	40	1	3
XT50522052006	3128820520069	68 Hexa	40	1	3
XT50522052108	3128820521080	80	40	1	3

PILOT BIT - HCS

HUSILLO GUÍA HCS

ALBERO PILOTA HCS

Hex shank Adapter + HSS 12mm pilot bit for HCS Holesaws

Husillo guía con mango Hexagonal 12mm + broca centradora HSS para sierra corona HM

XT50522052114

3128820521141

QTY	PCB
1	3

Albero pilota a codolo esagonale 12mm + punta di centraggio HSS per sega a tazza HCS

HCS HOLESAW I MULTI- BLADE I INFREQUENT USE

SIERRA CORONA HCS/MULTI-HOJAS/USO OCASIONAL

SEGA A TAZZA HCS I MULTILAME I USO OCCASIONALE

HCS teeth. Ideal for making holes for pipes & tubes + electrical casings

Acero al Carbono. Ideal para pasar tuberías, conductos y caja eléctrica empotrada

Acciaio al carbonio. Ideale per il passaggio di tubi, condotti e muratura di scatole a incasso.

Hard Wood
Madera dura
Legno duro

Laminates
Madera estratificada
Legno stratificato

Softwood
Madera blanda
legno tenero

XT52012	EAN	Ø	QTY	PCB
XT50522052012	3128820520120	25-32-38-45-50-56-62 (_18mm)	7	3
XT50522052010	3128820520106	25-32-38-45-50-56-62 (_22,5mm)	7	3
XT50522052014	3128820520144	28-35-50-68-75 (_30mm)	5	3
XT50522052000	3128820520007	60-67-74 (_32mm)	3	3
XT50522052002	3128820520021	60-67-74-81-95 (_32mm)	5	3
XT50522185220	3128821852206	26-32-38-45-50-56-63 (_18mm)	7	24

BI-METAL HOLESAW I GENERAL PURPOSE

SIERRA CORONA BI-METAL/ 1 HOJA/ USO CORRIENTE

SEGA A TAZZA BI-METALLO I 1 LAMA I USO CORRENTE

HSS teeth. Ideal for making holes for pipes & tubes. Variable tooth geometry for fast accurate cutting

Acero HSS. Ideal para pasar tuberías, de conductos. Rapidez y precisión gracias al dentado de paso variable.

Acciaio HSS. Ideale per il passaggio di tubi, condotti. Velocità e precisione grazie alla dentatura a passo variabile.

Metal
Metal
Metallo

Plastic
Plástico
Plastica

Wood
Madera
Legno

XT52032	EAN	Ø	I	QTY	PCB
XT50522052200	3128820522001	19	38	1	1
XT50522052204	3128820522049	22	38	1	1
XT50522052206	3128820522063	25	38	1	1
XT50522052208	3128820522087	27	38	1	1
XT50522052210	3128820522100	29	38	1	1
XT50522052212	3128820522124	30	38	1	1
XT50522052214	3128820522148	32	38	1	1
XT50522052216	3128820522162	35	38	1	1
XT50522052218	3128820522186	38	38	1	1
XT50522052220	3128820522209	40	38	1	1
XT50522052222	3128820522223	44	38	1	1
XT50522052224	3128820522247	51	38	1	1
XT50522052226	3128820522261	57	38	1	1
XT50522052228	3128820522285	60	38	1	1
XT50522052230	3128820522308	65	38	1	1
XT50522052229	3128820522292	65 SDS	38	1	1
XT50522052231	3128820522315	67	38	1	1
XT50522052232	3128820522322	68	38	1	1
XT50522052233	3128820522339	68 SDS	38	1	1
XT50522052234	3128820522346	73	38	1	1

XT52032	EAN	Ø	l	QTY	PCB
XT50522052236	3128820522360	76	38	1	1
XT50522052238	3128820522384	83	38	1	1
XT50522052240	3128820522407	92	38	1	1
XT50522052242	3128820522421	95	38	1	1
XT50522052244	3128820522445	102	38	1	1

ADAPTER + PILOT BIT - BIMETAL I HEX SHANK

HUSILLO GUÍA BIM/ MANGO HEXA

ALBERO PILOTA BIM I CODOLO ESAGONALE

Hex shank Adapter + HSS pilot bit for Bimetal Holesaws

Husillo guía con mango Hexagonal + broca centradora HSS para sierra corona BIM

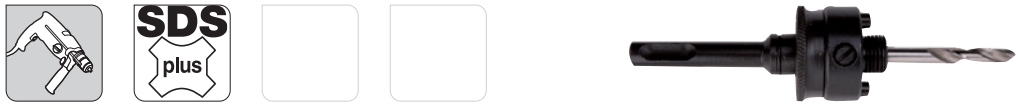
Albero pilota a codolo esagonale + punta di centraggio HSS per sega a tazza BIM

XT52052	EAN	Ø	d2	QTY	PCB
XT50522052248	3128820522483	14>30	9,5	1	1
XT50522052250	3128820522506	32>152	11	1	1

PILOT BIT - BIMETAL I SDS+

HUSILLO GUÍA BIM/ MANGO SDS+

PUNTE PILOTA BIM I CODOLO SDS+



SDS shank Adapter + HSS pilot bit for Bimetal Holesaws

Husillo guía con mango SDS+ + broca centradora HSS para sierra corona BIM

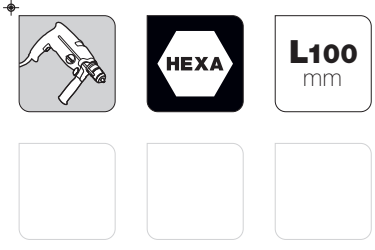
Albero pilota a codolo SDS+ + punta di centraggio HSS per sega a tazza BIM

XT52052	EAN	Ø	QTY	PCB
XT50522052256	3128820522568	14>30	1	1
XT50522052258	3128820522582	32>152	1	1

PILOT BIT - HSS

BROCA GUÍA HSS

PUNTA PILOTA HSS



XT50522052246
3128820522469

QTY	PCB
1	1

HSS Pilot bit with 3 flats - for Bimetal holesaws

Broca centradora HSS-Mango con 3 caras para sierra corona BIM

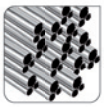
Punte di centraggio HSS - Codolo a 3 faccie per sega a tazza BIM

HOLE CUTTER FOR SINKS/PIPES | PERFORADOR & CORTADOR GRIFO | PERFORAZIONE E TAGLIO LAVELLI

Cutter for thin sheet metal(2mm).Ideal for tap installation in stainless steel sinks

Cortador de chapa de bajo espesor (2mm). Ideal para la colocación de grifos en los fregaderos en Inox.

Taglio di lamiere a basso spessore (2mm). Ideale per la posa di rubinetti in lavancini in inox.



Stainless Steel
Aceros inoxidables
Acciai inossidabili

Sheet Steel
Chapas
Lamiera

XT52062	EAN	Ø	l	QTY	PCB
XT50522052300	3128820523008	28	55	1	1
XT50522052302	3128820523022	32	55	1	1
XT50522052304	3128820523046	35	55	1	1

CARBIDE GRIT HOLESAW I SINGLE BLADE I GENERAL PURPOSE | SIERRA CORONA HM CARBURO/1HOJA/USO CORRIENTE | SEGA A TAZZA HM CARBURO I 1 LAMA I USO CORRENTE

Carbide grit coated. For cuts in abrasive materials. Ideal for holes for pipes & ventilation tasks

Revestimiento grano carburo HM para el taladrado de los materiales abrasivos. Ideal pasar tuberías, ventilación.

Rivestimento in grana di carburo HM per la foratura di materiali abrasivi. Ideale per il passaggio di tubazioni di ventilazione.

Breeze block
Bloque hormigón
Blocco di pietra

Brick
ladrillo
Mattone

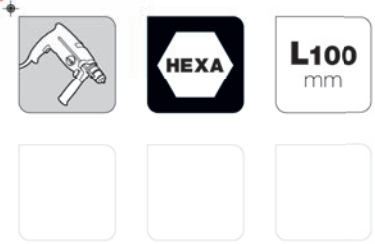
Stone
Piedra
Pietra

XT52072	EAN	Ø	l	QTY	PCB
XT50522052400	3128820524005	33	55	1	1
XT50522052402	3128820524029	43	55	1	1
XT50522052404	3128820524043	53	55	1	1
XT50522052406	3128820524067	63	55	1	1
XT50522052408	3128820524081	67	55	1	1
XT50522000674	3128820006747	67 Hexa	55	1	6
XT50522500674	3128825006742	67 Hexa	55	1	10
XT50522052412	3128820524128	73	55	1	1
XT50522052410	3128820524104	73 Hexa	55	1	1
XT50522052414	3128820524142	83	55	1	1
XT50522052416	3128820524166	103 Hexa	55	1	1

PILOT BIT - CARBIDE I HEX SHANK

HUSILLO GUÍA HM/ MANGO HEXA

ALBERO PILOTA HM I CODOLO ESAGONALE



XT50522052418

3128820524180

QTY	PCB
1	1

HSS Hex shank 12mm pilot bit for Carbide grit Holesaws

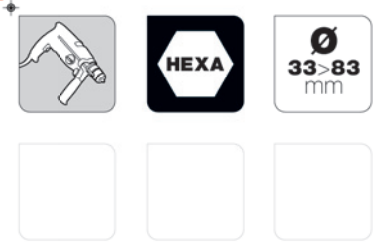
Broca Centradora-HSS con mango Hexagonal 12mm para sierra corona HM

Punta di centraggio - HSS, codolo esagonale 12 mm. Per sega a tazza HM.

PILOT BIT - CARBIDE + BASE PLATE

HUSILLO GUÍA HM+

ALBERO PILOTA HM+ BASE



XT50522052420

3128820524203

QTY	PCB
1	1

Hex shank carbide tipped 12mm pilot bit. Metal base plate Ø 33>83 mm

Broca Centradora con plaquita de metal duro, mango Hexagonal 12mm. Envase metálico Ø 33>83 mm

Punta di centraggio con placchetta in carburo, codolo esagonale 12 mm. Base metallica Ø 33>83 mm

CARBIDE GRIT HOLESAW I MULTI BLADE I GENERAL PURPOSE

SIERRA CORONA HM CARBURO/ MULTI-HOJAS/USO CORRIENTE

SEGA A TAZZA HM CARBURO I MULTILAMA I USO CORRENTE

Carbide grit coated. For cuts in abrasive materials. Ideal for holes for pipes & ventilation tasks

Revestimiento grano carburo HM para el taladrado de los materiales abrasivos. Ideal pasar tuberías, ventilación.

Rivestimento in grana di carburo HM per la foratura di materiali abrasivi. Ideale per il passaggio di tubazioni di ventilazione.

Breeze block

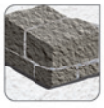
Bloque hormigón

Blocco di pietra

Brick

ladrillo

Mattone



Stone

Piedra

Pietra

XT52082	EAN	Ø	QTY	PCB
XT50522052424	3128820524241	33-53-73-83 mm	4	1
XT50522552424	3128825524246	33-53-73-83 mm (vrac)	4	8

ROTARY CUTTER I FOR CERAMICS

SIERRA ROTATIVA/EMBALDOSADO

SEGA ROTATIVA I PIASTRELLE

XT50522052450

3128820524500

QTY	PCB
1	1

Carbide tipped rotary cutter. Extends from Ø20mm to 80mm - for plaster cutting

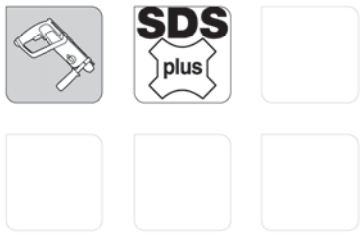
Plaquita carburo HM. Sierra rotativa extensible Ø 20 à 80 mm para corte de azulejos

Placchetta in carburo HM. Sega Estendibile Ø 20 a 80 mm per il taglio di piastrelle

CARBIDE CORE KIT I SDS+ SHANK I GENERAL PURPOSE

KIT CORONA CARBURO/MANGO SDS+/ USO CORRIENTE

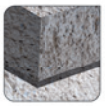
KIT TASSELLATORE CARBURO I CODOLO SDS+ I USO CORRENTE



Carbide tips brazed to heat treated steel core = Aggressive drilling in very hard materials

Corona dotada de dientes de metal duro para el taladrado agresivo en los materiales resistentes.

Corona dotata di denti in carburo HM per una foratura aggressiva in materiali resistenti.



Concrete
Hormigón
Cemento

Stone
Piedra
Pietra

XT52112	EAN	Ø	QTY	PCB
XT50522052606	3128820526061	40	1	1
XT50522052602	3128820526023	65	1	1
XT50522052608	3128820526085	68	1	1
XT50522052610	3128820526108	80	1	1

LIGHT DUTY CONCRETE CORE M16 I LONG LIFE

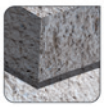
CORONA LIGERA M16/USO INTENSIVO

CORONA PER TASSELLATORE M16 I USO INTENSIVO

Carbide tips brazed to heat treated steel core = Aggressive drilling in very hard materials

Corona de acero templado con dientes de metal duro asimétrico. Taladrado agresivo en materiales resistentes.

Corona in acciaio temprato con denti asimmetrici in carburo. Foratura aggressiva di materiali resistenti.



Concrete
Hormigón
Cemento

Stone
Piedra
Pietra

1090724	EAN	Ø	l	QTY	PCB
10907243000	3221910863746	30	80	1	1
10907243500	3221910863753	35	80	1	1
10907244000	3221910863760	40	80	1	1
10907244500	3221910863777	45	80	1	1
10907245000	3221910863784	50	80	1	1
10907246000	3221910863791	60	80	1	1
10907246800	3221910863807	68	80	1	1
10907247000	3221910863814	70	80	1	1
10907248000	3221910863821	80	80	1	1
10907248500	3221910863838	85	80	1	1
10907249000	3221910863845	90	80	1	1
109072410500	3221910863722	105	80	1	1
109072412500	3221910863739	125	80	1	1

LIGHT DUTY CORE ADAPTER M16

PORTA-CORONA LIGERO M16

PORTACORONA I TASSELLATORE M16

M16 fitment Adapter for Light duty cores

Porta-corona con paso M16, especial corona ligera

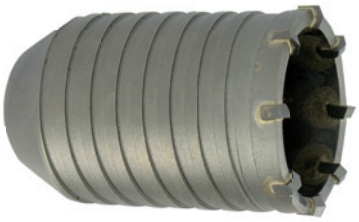
Porta corona con passo M16, speciale per tassellatori

1090734	EAN	L	QTY	PCB
10907340001	3221910863852	100 SDS+	1	1
10907340002	3221910863869	170 SDS+	1	1
10907340003	3221910863876	220 SDS+	1	1
10907340004	3221910863883	370 SDS+	1	1
10907340005	3221910863890	78 HEXA	1	1

HEAVY DUTY CONCRETE CORE M16 I LONG LIFE

CORONA PESADA CK/USO INTENSIVO

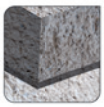
CORONA PER DEMOLITORE CK I USO INTENSIVO



Carbide tips brazed to heat treated steel core = Aggressive drilling in very hard materials

Corona de acero templado con dientes de metal duro asimétrico. Taladrado agresivo en materiales resistentes.

Corona in acciaio temprato con denti asimmetrici in carburo. Foratura aggressiva di materiali resistenti.



Concrete
Hormigón
Cemento

Stone
Piedra
Pietra

1090754	EAN	Ø	l	QTY	PCB
10907543000	3221910863951	30	100	1	1
10907543500	3221910863968	35	100	1	1
10907544000	3221910863975	40	100	1	1
10907544500	3221910863982	45	100	1	1
10907545000	3221910863999	50	100	1	1
10907546000	3221910864002	60	100	1	1
10907546600	3221910864729	66	100	1	1
10907547000	3221910864026	70	100	1	1
10907548000	3221910864033	80	100	1	1
10907549000	3221910864040	90	100	1	1
109075410000	3221910863920	100	100	1	1
109075411000	3221910863937	110	100	1	1
109075412500	3221910863944	125	100	1	1

CORE ADAPTER I SDS MAX SHANK

PORTA-CORONA CK/MANGO SDS MAX

PORTACORONA I CODOLO SDS MAX

Conical adapter for Heavy duty cores

Porta-corona cónico, especial corona pesada.

Porta corona conico, speciale per demolitori

1090764	EAN	L	QTY	PCB
10907640001	3221910864057	200	1	1
10907640002	3221910864064	450	1	1
10907640003	3221910864071	700	1	1
10907640004	3221910864088	900	1	1

CORE ADAPTER I SPLINE SHANK

PORTA-CORONA CK/MANGO ESTRIADO

PORTACORONA I CODOLO SCANALATO

Conical adapter for Heavy duty cores

Porta-corona cónico, especial corona pesada.

Porta corona conico, speciale per demolitori

1090774	EAN	L	QTY	PCB
10907740001	3221910864095	200	1	1
10907740002	3221910864101	400	1	1

PILOT BIT - FOR CORES

BROCA GUÍA CORONA

PUNTA PILOTA TASSELLATORE

Pilot bit for Carbide core drills

Broca centradora especial corona ligera y pesada

Punta di centraggio speciale tassellatori e demolitori

1090744	EAN	Ø	QTY	PCB
10907440800	3221910863906	8 M16	1	1
10907441100	3221910863913	11 CK	1	1

DRIFT KEY

CUÑA EXTRACTORA CK

ESTRATTORE CK

10907840001

3221910864118

QTY	PCB
1	1

For removing conical adapter from Carbide Core Bit

Accesorio especifico para extraer los porta coronas cónicos de la corona

Accessorio specifico per estrarre il porta corona dalla corona.

DIAMOND GRIT HOLESAW I ROUND SHANK I HEAVY DUTY

SIERRA CORONA DIAMOND/MANGO CILÍNDRICO/USO INTENSIVO

SEGA A TAZZA DIAMOND I CODOLO CILINDRICO I USO INTENSIVO

Diamond grit coated. For fast and accurate cuts in hard materials. Use water cooling

Revestimiento grano Diamante para electrolisis. Taladrado rápido y preciso de los materiales duros. Lubricación con agua.

Rivestimento in grana di diamante per elettrolisi.Per la perforazione rapida e precisa in materiali molto duri. Lubrificare

Tiles
Gres cerámico
Gres porcellanato

Marble
Mármol
marmo

Tiles
Azulejo
Piastrelle

1200052	EAN	Ø	l	QTY	PCB
12000523500	3128824510356	35	30	1	1
12000524000	3128824510400	40	30	1	1
12000524400	3128824510448	44	30	1	1
12000525300	3128824510530	53	30	1	1
12000526500	3128824510653	65	30	1	1
12000526700	3128824510677	67	30	1	1
12000526800	3128824510684	68	30	1	1
12000528300	3128824510837	83	30	1	1
120005210000	3128824511001	100	30	1	1
120005210200	3128824511025	102	30	1	1
120005211000	3128824511100	110	30	1	1
120005212700	3128824511278	127	30	1	1

DIAMOND DRILLING GUIDE

GUÍA TALADRADO DIAMOND

GUIDA PER FORATURA DIAMANT

1110092452010
3128824520102

QTY	PCB
1	1

Drill guide for Diamond Drill bits - with water cooling system

guía de taladrado especial Sierra Corona Diamond. Sistema de refrigeración por agua

Guida per foratura speciale per seghe a tazza diamantate. Raffreddare con acqua.

WATER SPRAY BOTTLE

PULVERIZADOR DE AGUA

POLVERIZZATORE AD ACQUA

1110092452020
3128824520201

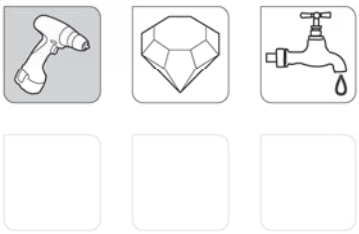
QTY	PCB
1	1

Plastic spray bottle - 500ml capacity + 1 metre flexible hose

Pulverizador de plástico con una capacidad de 500 ml, viene con un manguito flexible de 1 metro.

Polverizzatore in plastica con una capacità di 500 ml fornito con un tubo flessibile 1 metro.

6 PCE DIAMOND GRIT HOLESAW SET



DIAMOND grit holesaws Ø 35-44-53-65-67-83 mm

MAL. T6 DIAMOND

Sierras Coronas DIAMOND Ø 35-44-53-65-67-83 mm

VALIGETTA T6 DIAMOND

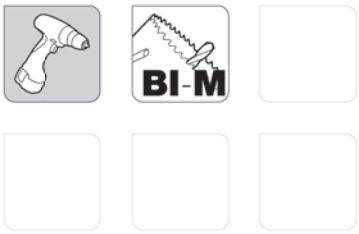
12000570002

3128824520003

6 1

Sega a tazza DIAMOND Ø 35-44-53-65-67-83 mm

8 PCE BI METAL HOLESAW SET



BI-METAL holesaws Ø 67-73-80-102 mm / 2 Hex shank pilot bits

MAL. T8 BIM

Sierras Coronas BI-METAL Ø 22-29-33-44-51-65 mm / 2 Husillo con Mango Hexagonal

VALIGETTA T8 BIM

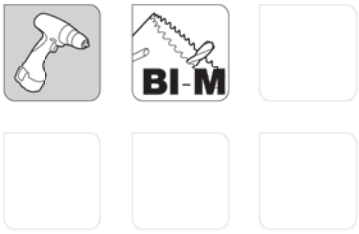
XT50527052700

3128820527006

8 1

Sega a tazza BI-METAL Ø 22-29-33-44-51-65 mm / 2 Alberi pilota a codolo esagonale

7 PCE BI METAL HOLESAW SET



BI-METAL holesaws Ø 67-73-80-102 mm / 1 Hex shank pilot bit / 2 adapters

MAL. T7 BIM

Sierras Coronas BI-METAL Ø 67-73-80-102 mm / 1 Husillo con Mango Hexagonal / 2 Adaptadores

VALIGETTA T7 BIM

XT50527052900

3128820529000

7 1

Sega a tazza BI-METAL Ø 67-73-80-102 mm / 1 Albero pilota a codolo esagonale / 2 adattatori

6 PCE CARBIDE GRIT HOLESAW SET

CARBIDE GRIT holesaws Ø33-53-67-73-83 mm / 1 Hex shank pilot bit

MAL. T6 HM

Sierras Coronas CARBURO Ø 33-53-67-83 mm / 1 Husillo con Mango Hexagonal

VALIGETTA T6 HM

XT50527052800

3128820528003

6 1

Sega a tazza CARBURO HM Ø33-53-67-73-83 mm / 1 Albero pilota a codolo esagonale

20 PCE SET

Holesaw Ø280 mm / 1 Extending Guide Ø40>200 mm / 2 HCS blades / 2 carbide tipped / 2 pilot bits / 5 wood drill bits / 5 masonry bits / Allen key

MAL. T20 EXT

Corona Ø280 mm/1 guía extensible Ø40>200 mm /2 hojas HCS /2 Hojas de Carburo /2 brocas Centradoras /5 brocas Madera /5 Brocas Hormigón /Llave Allen

VALIGETTA T20 ESTENSIBILE

XT50527052950

3128820529505

20 | 1

Campana Ø280 mm /1 Guide Estensible Ø40>200 mm /2 Lame HCS /2 lame Carburo /2 punte di centraggio /5 Mecchie legno 5 Punte cemento /Brugola

11 PCE HOLESAW SET - HCS

HCS Holesaws Ø 22-25-29-35-38-44-51-68 mm / 2 Hex pilot bits / Allen key

MAL. T11 HCS

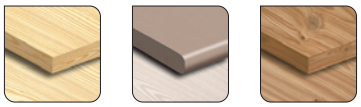
Sierras Coronas HCS Ø 22-25-29-35-38-44-51-68 mm / 2 Husillos guía mango Hexagonal / Llave Allen

VALIGETTA T11 HCS

XT50527052016

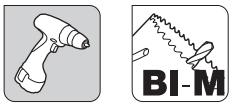
3128820520168

11 | 1



Sega a tazza HCS Ø 22-25-29-35-38-44-51-68 mm / 2 Punte pilota a codolo esagonale / Brugola

9 PCE BI METAL HOLESAW SET



BI-METAL holesaws Ø 22-29-35-44-51-65 mm / 2 Hex shank pilot bits / Augmenter

MAL. T9 BIM

Sierras Coronas BI-METAL Ø 22-29-33-44-51-65 mm / 2 Husillo con Mango Hexagonal / Alargador

VALIGETTA T9 BIM

11901170026

3221910821081

9 | 1

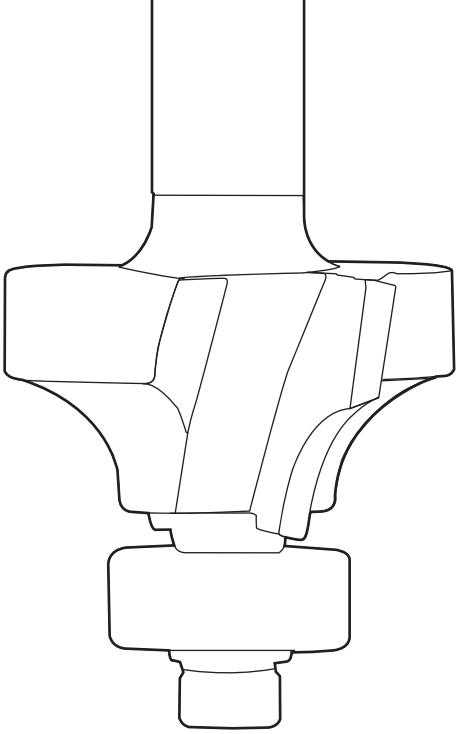
Sega a tazza BI-METAL Ø 22-29-35-44-51-65 mm / 2 Albero pilota a codolo esagonale / Aumentatore

GENE-
RAL
CATALOGUE

ROUTING

FRESADO
INTAGLIARE

#15/19

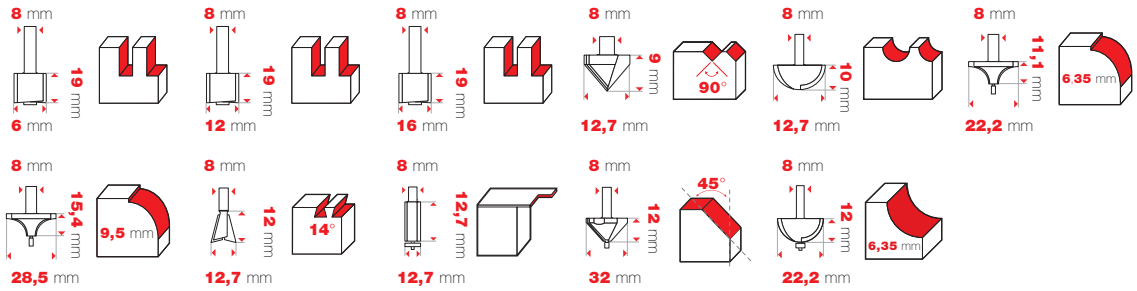


ROUTING
FRESADO
INTAGLIARE

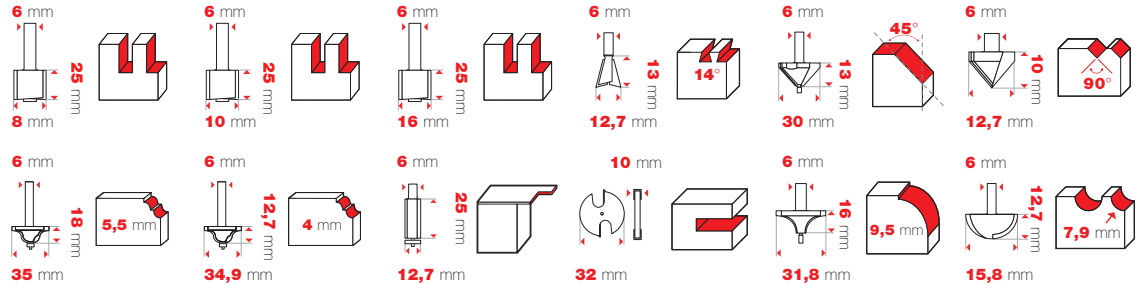
ROUTER BITS **665**
FRESA DE FRESADORA
FRESATRICI VERTICALI 670

Straight Cutters. Para ranurar. A intaglio.
Form Cutters. De forma. Di forme.
Sets. Estuches. Cofanetti.

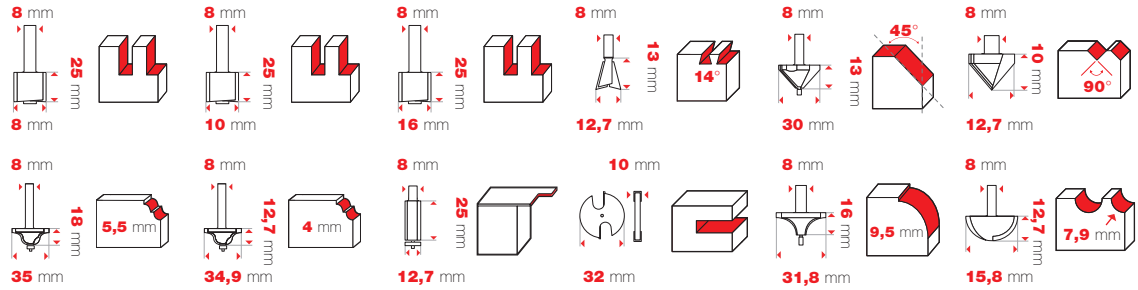
64**012**



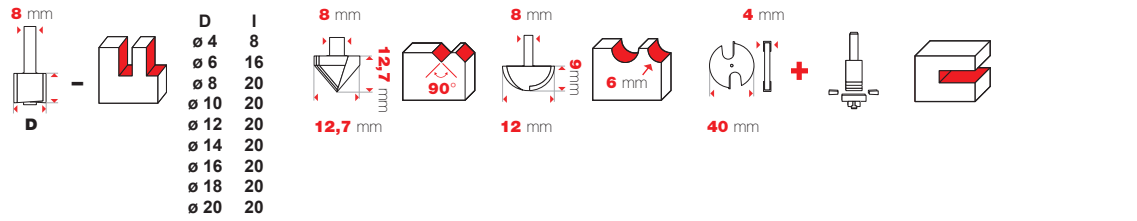
64**060**



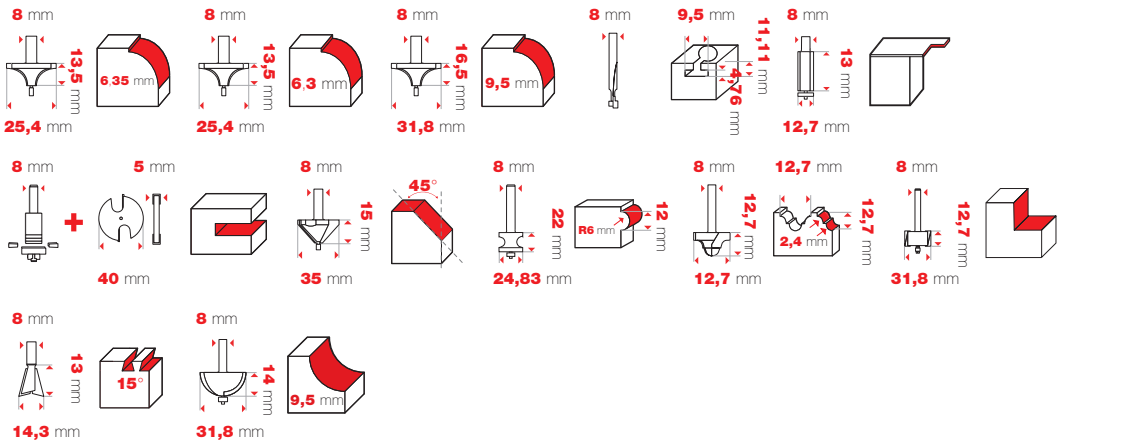
64**080**



64**110**



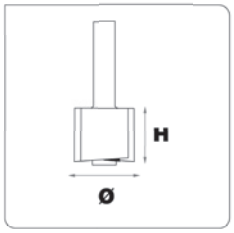
64**114**



STRAIGHT CUTTER | DOUBLE FLUTE

FRESA PARA RANURAR DERECHA | 2 FILOS RECTIFICADOS CON DIAMANTE

FRESA A RAINURE DRITTE | 2 TAGLIENTI RETTIFICATE AL DIAMANTE



Hard wearing carbide cutting flutes with secure brazing ensure excellent cutting quality.

Gran resistencia y muy buena calidad de corte gracias a la plaquita de metal duro y su ensamblado.

Ad alta resistenza e buona qualità di taglio grazie alla placchetta in carburo e il suo montaggio.

Wood
Madera
Legno

Plastic
Plástico
Plastica

XT61012	EAN	Ø	H	d2	QTY	PCB	€
XT60642067832	3128820678326	4	8	8	1	2	11,45
XT60642067834	3128820678340	6	16	8	1	2	11,45
XT60642067835	3128820678357	8	20	8	1	2	11,45
XT60642067836	3128820678364	10	20	8	1	2	13,31
XT60642067837	3128820678371	12	20	8	1	2	13,31
XT60642067838	3128820678388	14	20	8	1	2	13,31
XT60642067840	3128820678401	16	20	8	1	2	15,00
XT60642067841	3128820678418	18	20	8	1	2	15,00
XT60642067842	3128820678425	20	20	8	1	2	15,00

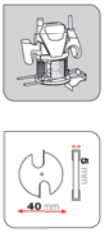
XT61012	EAN	Ø	H	d2	QTY	PCB	€
XT60642067320	3128820673208	4-6-8	8-16-20	8	3	1	29,26
XT60642067325	3128820673253	10-12-14	20-20-20	8	3	1	33,78
XT60642067330	3128820673307	16-18-20	20-20-20	8	3	1	38,23
XT60642067335	3128820673352	6-10-20	16-20-20	8	3	1	33,78

XT61002	EAN	Ø	H	d2	QTY	PCB	€
XT60642067300	3128820673000	4-6-8	8-16-20	6	3	1	29,26
XT60642067305	3128820673055	10-14-20	20-20-20	6	3	1	33,78

GROOVE CUTTER

SIERRA DE RANURAR

SEGHA A RAINURE



XT60642067866
3128820678661

QTY	PCB	€
1	2	13,31

Hard wearing carbide cutting flutes with secure brazing ensure excellent cutting quality.

Gran resistencia y muy buena calidad de corte gracias a la plaquita de metal duro y su ensamblado.

Ad alta resistenza e buona qualità di taglio grazie alla placchetta in carburo e il suo montaggio.

ARBOR [FOR GROOVE CUTTER

EJE VÁSTAGO | PARA SIERRA DE RANURAR

ALBERO | PER SEGA A RAINURE

XT60642067863

3128820678630

QTY	PCB	€
1	2	10,88

RADIUS CUTTER

FRESA PARA ACANALAR

FRESA A SCANALARE

XT60642067845

3128820678456

QTY	PCB	€
1	2	15,00

Hard wearing carbide cutting flutes with secure brazing ensure excellent cutting quality.

Gran resistencia y muy buena calidad de corte gracias a la plaquita de metal duro y su ensamblado.

Ad alta resistenza e buona qualità di taglio grazie alla placchetta in carburo e il suo montaggio.

V GROOVE CUTTER

FRESA PARA RANURAR EN V

FRESA A RAINURE IN V

XT60642067846

3128820678463

QTY	PCB	€
1	2	15,00

Hard wearing carbide cutting flutes with secure brazing ensure excellent cutting quality.

Gran resistencia y muy buena calidad de corte gracias a la plaquita de metal duro y su ensamblado.

Ad alta resistenza e buona qualità di taglio grazie alla placchetta in carburo e il suo montaggio.

DOVETAIL CUTTER

FRESA CON MANGO PARA REDONDEAR

FRESA A CODOLO ARROTONDITO

XT60642067861

3128820678616

QTY	PCB	€
1	2	13,31

Hard wearing carbide cutting flutes with secure brazing ensure excellent cutting quality.

Gran resistencia y muy buena calidad de corte gracias a la plaquita de metal duro y su ensamblado.

Ad alta resistenza e buona qualità di taglio grazie alla placchetta in carburo e il suo montaggio.

COVE CUTTER W/BALL BEARING

FRESA CON GARGANTA

FRESA A GOLA

XT60642067801

3128820678012

QTY	PCB	€
1	2	15,68

Hard wearing carbide cutting flutes with secure brazing ensure excellent cutting quality.

Gran resistencia y muy buena calidad de corte gracias a la plaquita de metal duro y su ensamblado.

Ad alta resistenza e buona qualità di taglio grazie alla placchetta in carburo e il suo montaggio.

TRIMMING CUTTER W/BALL BEARING

FRESA PARA ENRASAR

FRESA A CORRODERE

XT60642067802

3128820678029

QTY	PCB	€
1	2	15,68

Hard wearing carbide cutting flutes with secure brazing ensure excellent cutting quality.

Gran resistencia y muy buena calidad de corte gracias a la plaquita de metal duro y su ensamblado.

Ad alta resistenza e buona qualità di taglio grazie alla placchetta in carburo e il suo montaggio.

ROUNDING CUTTER W/BALL BEARING

FRESA PARA REDONDEAR

FRESA AD ARROTONDIRE

XT60642067804

3128820678043

QTY	PCB	€
1	2	15,68

Hard wearing carbide cutting flutes with secure brazing ensure excellent cutting quality.

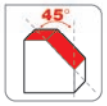
Gran resistencia y muy buena calidad de corte gracias a la plaquita de metal duro y su ensamblado.

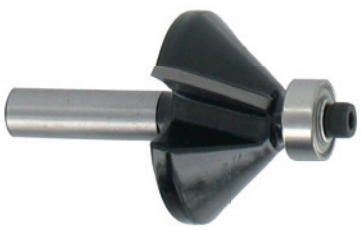
Ad alta resistenza e buona qualità di taglio grazie alla placchetta in carburo e il suo montaggio.

CHAMFER CUTTER W/BALL BEARING

FRESA PARA BISELAR

FRESA A SMUSSO





XT60642067806

3128820678067

QTY	PCB	€
1	2	15,68

Hard wearing carbide cutting flutes with secure brazing ensure excellent cutting quality.

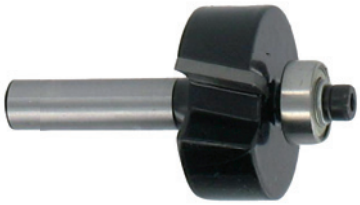
Gran resistencia y muy buena calidad de corte gracias a la plaquita de metal duro y su ensamblado.

Ad alta resistenza e buona qualità di taglio grazie alla placchetta in carburo e il suo montaggio.

REBATE CUTTER W/BALL BEARING

FRESA PARA ENCAJAR

FRESA A BATTUTA



XT60642067807

3128820678074

QTY	PCB	€
1	2	15,68

Hard wearing carbide cutting flutes with secure brazing ensure excellent cutting quality.

Gran resistencia y muy buena calidad de corte gracias a la plaquita de metal duro y su ensamblado.

Ad alta resistenza e buona qualità di taglio grazie alla placchetta in carburo e il suo montaggio.

QUARTER ROUND CUTTER W/ BEARING

FRESA 1/4 DE RADIO

FRESA 1/4 TONDO

XT60642067809

3128820678098

QTY	PCB	€
1	2	15,68

Hard wearing carbide cutting flutes with secure brazing ensure excellent cutting quality.

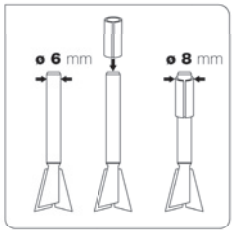
Gran resistencia y muy buena calidad de corte gracias a la plaquita de metal duro y su ensamblado.

Ad alta resistenza e buona qualità di taglio grazie alla placchetta in carburo e il suo montaggio.

COLLET SLEEVE

CASQUILLO DE REDUCCIÓN

ATTACCO DI RIDUZIONE



Sleeve for reducing the clamping collet size. Allows fitment of smaller shanks to router.

Manguito para reducir la medida de la pinza de presión. Permite la utilización de fresa con mango más pequeño.

Manicotto per ridurre le dimensioni del collare. Consente l'uso di frese ad stelo più piccolo.

XT61152	EAN	Ø	QTY	PCB	€
XT60642067598	3128820675981	6 > 8	1	2	11,45
XT60642067599	3128820675998	8 > 12	1	2	11,45

3 PIECES ROUTER BIT SET

HM CARB

EN 847

Rounding cutter I Chamfer cutter I Rebate cutter I Hard wearing brazed carbide flutes ensure excellent cutting quality.

LOT 3 FRESAS

Fresa para cantear, biselar, ranurar / Gran resistencia y muy buena calidad de corte gracias a la plaquita de metal duro y su ensamblado.

SET 3 FRESE

XT60642067340

3128820673406

QTY	PCB	€
3	1	38,46

Fresa ad arrotondire I A smusso I A battuta.Ad alta resistenza e buona qualità di taglio grazie alla placchetta in carburo e il suo montaggio.

3 PIECES ROUTER BIT SET

HM CARB

EN 847

Rounding cutter I Chamfer cutter I Rebate cutter I Hard wearing brazed carbide flutes ensure excellent cutting quality.

LOT 3 FRESAS

Fresa para cantear, biselar, ranurar / Gran resistencia y muy buena calidad de corte gracias a la plaquita de metal duro y su ensamblado.

SET 3 FRESE

XT60642067345

3128820673451

QTY	PCB	€
3	1	40,01

Fresa ad arrotondire I A smusso I A battuta.Ad alta resistenza e buona qualità di taglio grazie alla placchetta in carburo e il suo montaggio.

3 PIECES ROUTER BIT SET

HM CARB

EN 847

Rounding cutter I Chamfer cutter I Rebate cutter I Hard wearing brazed carbide flutes ensure excellent cutting quality.

LOT 3 FRESAS

Fresa para cantear, biselar, ranurar / Gran resistencia y muy buena calidad de corte gracias a la plaquita de metal duro y su ensamblado.

SET 3 FRESE

XT60642067355

3128820673550

QTY	PCB	€
3	1	37,37

Fresa ad arrotondire I A smusso I A battuta.Ad alta resistenza e buona qualità di taglio grazie alla placchetta in carburo e il suo montaggio.

3 PIECES ROUTER BIT SET

HM CARB

EN 847

Rounding cutter I Chamfer cutter I Rebate cutter I Hard wearing brazed carbide flutes ensure excellent cutting quality.

LOT 3 FRESAS

Fresa para cantear, biselar, ranurar / Gran resistencia y muy buena calidad de corte gracias a la plaquita de metal duro y su ensamblado.

SET 3 FRESE

XT60642067350

3128820673505

QTY	PCB	€
3	1	35,35

Fresa ad arrotondire I A smusso I A battuta.Ad alta resistenza e buona qualità di taglio grazie alla placchetta in carburo e il suo montaggio.

12 PIECES ROUTER BIT SET

HM CARB

EN 847

Ø 6mm

Hard wearing carbide cutting flutes with secure brazing ensure excellent cutting quality.

ESTUCHE 12 FRESAS

Gran resistencia y muy buena calidad de corte gracias a la plaguita de metal duro y su ensamblado.

COFANETTO 12 FRESE

XT60642064060

3128820640606

QTY	PCB	€
12	2	40,93

Ad alta resistenza e buona qualità di taglio grazie alla placchetta in carburo e il suo montaggio.

12 PIECES ROUTER BIT SET

HM CARB

EN 847

Hard wearing carbide cutting flutes with secure brazing ensure excellent cutting quality.

ESTUCHE 12 FRESAS

Gran resistencia y muy buena calidad de corte gracias a la plaguita de metal duro y su ensamblado.

COFANETTO 12 FRESE

XT60642064080

3128820640604

QTY	PCB	€
12	2	40,93

Ad alta resistenza e buona qualità di taglio grazie alla placchetta in carburo e il suo montaggio.

12 PIECES ROUTER BIT SET

HM CARB

EN 847

Hard wearing carbide cutting flutes with secure brazing ensure excellent cutting quality.

ESTUCHE 12 FRESAS

Gran resistencia y muy buena calidad de corte gracias a la plaguita de metal duro y su ensamblado.

COFANETTO 12 FRESE

XT60647064012

3128820640125

QTY	PCB	€
12	1	19,30

Ad alta resistenza e buona qualità di taglio grazie alla placchetta in carburo e il suo montaggio.

6 PIECES ROUTER BIT SET

HM CARB

EN 847

Hard wearing carbide cutting flutes with secure brazing ensure excellent cutting quality.

ESTUCHE 6 FRESAS

Gran resistencia y muy buena calidad de corte gracias a la plaguita de metal duro y su ensamblado.

COFANETTO 6 FRESE

XT60642064006

3128820640064

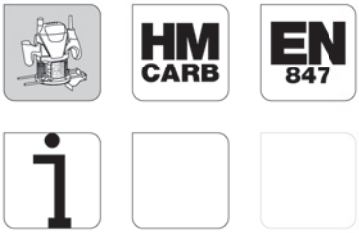
QTY	PCB	€
6	1	11,35

Ad alta resistenza e buona qualità di taglio grazie alla placchetta in carburo e il suo montaggio.

12 PIECES ROUTER BIT SET

ESTUCHE 12 FRESAS

COFANETTO 12 FRESE



XT60647064110

3128820641108

QTY	PCB	€
12	1	80,11

Hard wearing carbide cutting flutes with secure brazing ensure excellent cutting quality.

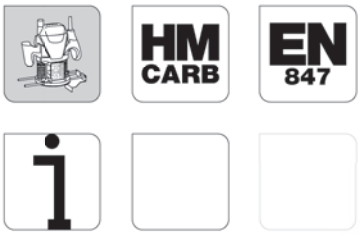
Gran resistencia y muy buena calidad de corte gracias a la plaguita de metal duro y su ensamblado.

Ad alta resistenza e buona qualità di taglio grazie alla placchetta in carburo e il suo montaggio.

12 PIECES ROUTER BIT SET

ESTUCHE 12 FRESAS

COFANETTO 12 FRESE



XT60647064114

3128820641146

QTY	PCB	€
12	1	90,25

Hard wearing carbide cutting flutes with secure brazing ensure excellent cutting quality.

Gran resistencia y muy buena calidad de corte gracias a la plaguita de metal duro y su ensamblado.

Ad alta resistenza e buona qualità di taglio grazie alla placchetta in carburo e il suo montaggio.

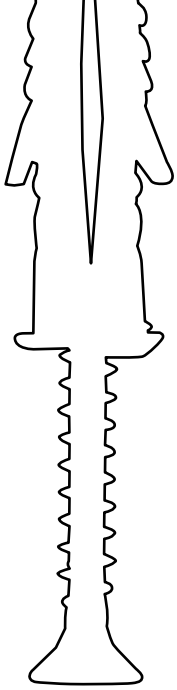
GENE-
RAL
CATALOGUE

FIXINGS

FIJACION

FISSAGGIO

#16/19



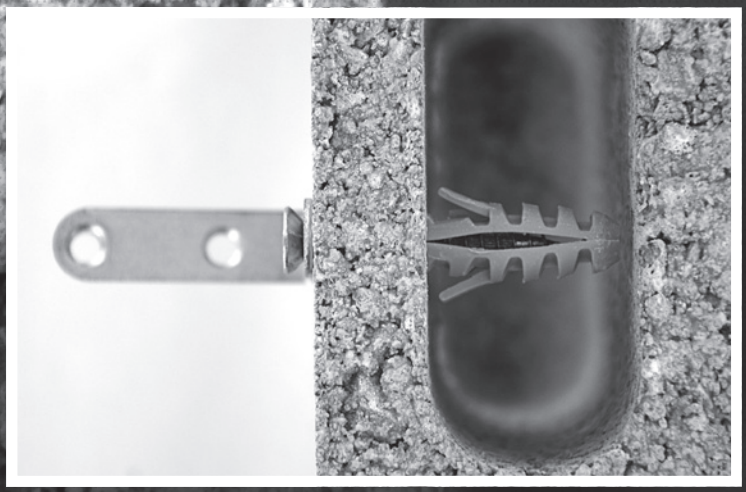
FIXINGS
FIJACION
FISSAGGIO

ANCHORS 675
TACOS
TASSELLI

RIVETS 685
REMACHES
RIVETTI

TIVOLY

FIXATION
FIXING



particulier@tivoly.com

PLASTIC PLUG

TACO PLÁSTICO

TASSELLO IN PLASTICA

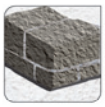
Plastic anchor- fast expansion with anti rotation wings - for use with wood screw or bracket screw.

Taco polietileno, expansión rápida con aletas antirotación. Se utiliza con tornillo VBA o anclaje.

Tassello Polietilene, espansione rapida con alette anti-rotazione. Si utilizza con viti VBA o tirafondo.

Brick
ladrillo
Mattone

Breeze block
Bloque hormigón
Blocco di pietra



Stone
Piedra
Pietra

XT4001	EAN	Ø	L	Ø Vis/Screw	QTY	PCB
XT40462104600	3128821046001	5	25	2,5>3	150	6
XT40462104601	3128821046018	6	30	3,5>4,5	100	6
XT40462104602	3128821046025	7	35	4>5	50	6
XT40462104603	3128821046032	8	40	5>6	40	6
XT40462104604	3128821046049	10	50	7>8	20	6

PLASTIC PLUG ASSORTMENT

SURTIDO TACO PLÁSTICO

ASSORTIMENTO DI TASSELLI IN PLASTICA

Plastic anchor- fast expansion with anti rotation wings - for use with wood screw or bracket screw.

Taco polietileno, expansión rápida con aletas antirotación. Se utiliza con tornillo VBA o anclaje.

Tassello Polietilene, espansione rapida con alette anti-rotazione. Si utilizza con viti VBA o tirafondo.

Brick
ladrillo
Mattone

Breeze block
Bloque hormigón
Blocco di pietra

Stone
Piedra
Pietra

XT4001	EAN	Ø	L	Ø Vis/Screw	QTY	PCB
XT40461504600	3128825046007	5-6-7-8	25>40	2,5>6	300	8
XT40462104605	3128821046056	5-6-7-8	25>40	2,5>6	60	6

PLASTIC PLUG W/ SCREW

TACO PLÁSTICO CON TORNILLO

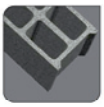
TASSELLO IN PLASTICA CON VITE

Plastic anchor- fast expansion with anti rotation wings - for use with wood screw.

Taco polietileno, expansión rápida con aletas antirotación. Se utiliza con tornillo VBA.

Tassello Polietilene, espansione rapida con alette anti-rotazione. Si utilizza con viti VBA.

Brick
ladrillo
Mattone



Breeze block
Bloque hormigón
Blocco di pietra

Stone
Piedra
Pietra

XT4002	EAN	Ø	L	Ø Vis/Screw	L vis/screw	QTY	PCB
XT40462104610	3128821046100	5	25	3	30	50	6
XT40462104611	3128821046117	6	30	4	40	25	6
XT40462104612	3128821046124	7	35	5	40	15	6
XT40462104613	3128821046131	8	40	6	50	10	6
XT40462104614	3128821046148	10	50	8	60	4	6

NYLON PLUG

TACO NYLON

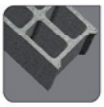
TASSELLO NYLON

Torque expanding Nylon anchor

Taco de nylon con expansión por torsión

Tassello nylon con espansione per torsione.

Brick
ladrillo
Mattone



Breeze block
Bloque hormigón
Blocco di pietra

Stone
Piedra
Pietra

XT4003	EAN	Ø	L	Ø Vis/Screw	QTY	PCB
XT40462104620	3128821046209	5	25	2>3,5	50	6
XT40462104621	3128821046216	6	30	3,5>4,5	30	6
XT40462104622	3128821046223	7	30	4>5	30	6
XT40462104623	3128821046230	8	40	5>6	10	6
XT40462104624	3128821046247	10	50	7>8	8	6

HAMMER IN NYLON PLUG

TACO NYLON PARA CLAVAR

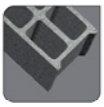
TASSELLO NYLON DA INCHIODARE

Hammer plug with accompanying screw

Taco con tornillo para insertar en el material a trabajar. Con tornillo

Tassello con vite da inserire nel materiale con martello. Con vite.

Brick
ladrillo
Mattone



Breeze block
Bloque hormigón
Blocco di pietra

Stone
Piedra
Pietra

XT4004	EAN	Ø	L	Ø Vis/Screw	L vis/screw	QTY	PCB
XT40462104629	3128821046292	6	60	4	60	10	6
XT40462104630	3128821046308	8	80	5	80	6	6
XT40462104636	3128821046360	6	40	4	45	10	6

3 POINT PLASTERBOARD ANCHOR

TACO ESCAYOLA

TESSELLO CARTONGESSO

XT40462104635

3128821046353

QTY	PCB	€
15	6	

Hammer plug with accompanying screw

Taco con tornillo para insertar en el material a trabajar. Con tornillo

Tassello con vite da inserire nel materiale con martello. Con vite.

EXPANSION BOLT

TACO ACERO

TASSELLO ACCIAIO

Four sided expansion bolt for general fixing in concrete & masonry.*

Taco con 4 segmentos móviles para un anclaje eficaz en todas las situaciones. Polivalente. Con tornillo

Tassello con 4 segmenti mobili per una presa efficace in tutte le situazioni. Polivalente. Con vite.

Breeze block
Bloque hormigón
Blocco di pietra

XT4007	EAN	Ø	L	Ø Vis/Screw	L vis/screw	QTY	PCB
XT40462104672	3128821046728	12	50	M8	70	2	6
XT40462104675	3128821046759	10	40	M6	50	3	6

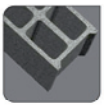
MULTIMATERIAL PLASTIC ANCHOR | TACO UNIVERSAL | TASSELLO UNIVERSALE

Easy to install Multimaterial Nylon anchor - heat resistant. With VBA Screw

Taco nylon, fácil de colocar en todos los materiales, resistente a los cambios térmicos. Con tornillo VBA.

Tassello nylon, facile da posare in tutti i materiali, resiste agli shock termico. Con viti VBA.

Brick
ladrillo
Mattone



Breeze block
Bloque hormigón
Blocco di pietra

Stone
Piedra
Pietra

XT4009	EAN	Ø	L	Ø Vis/Screw	QTY	PCB
XT40462104640	3128821046407	6	36	4	25	6
XT40462104641	3128821046414	8	40	4,5	10	6
XT40462104644	3128821046445	10	60	5	5	6

MULTIMATERIAL PLASTIC ANCHOR W/SCREW | TACO UNIVERSAL CON TORNILLO | TASSELLO UNIVERSALE CON VITE

Easy to install Multimaterial Nylon anchor - heat resistant. With wood Screw

Taco nylon, fácil de colocar en todos los materiales, resistente a los cambios térmicos. Con tornillo VBA.

Tassello nylon, facile da posare in tutti i materiali, resiste agli shock termico. Con viti VBA.

Brick
ladrillo
Mattone

Breeze block
Bloque hormigón
Blocco di pietra

Stone
Piedra
Pietra

XT4010	EAN	Ø	L	Ø Vis/Screw	L vis/screw	QTY	PCB
XT40462104642	3128821046421	6	35	4	40	15	6
XT40462104643	3128821046438	8	42	4,5	50	8	6
XT40462104646	3128821046469	10	60	5	70	3	6
XT40462104647	3128821046476	10	60	5	70	10	6
XT40462104648	3128821046483	6	35	4	40	40	6
XT40462104649	3128821046490	8	42	4,5	50	20	6

ASSTD MULTIMATERIAL ANCHORS W/SCREW

SURTIDO TACO UNIVERSAL CON TORNILLO

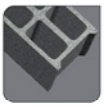
ASSORTIMENTO TASSELLO IN UNIVERSALE CON VITE

Easy to install Multimaterial Nylon anchor - heat resistant. With wood Screw

Taco nylon, fácil de colocar en todos los materiales, resistente a los cambios térmicos. Con tornillo VBA.

Tassello nylon, facile da posare in tutti i materiali, resiste agli shock termico. Con viti VBA.

Brick
ladrillo
Mattone



Breeze block
Bloque hormigón
Blocco di pietra

Stone
Piedra
Pietra

XT4010	EAN	Ø	L	Ø Vis/Screw	L vis/screw	QTY	PCB
XT40461504640	3128825046403	6	36	4	40	100	10

MULTIMATERIAL PLASTIC ANCHOR ASSORTMENT

TACO UNIVERSAL EN REGLETA

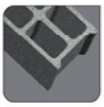
TASSELLO UNIVERSALE IN GRAPPOLO

Plastic anchor - for use with wood screw or bracket screw

Taco polietileno, se utiliza con tornillo VBA o anclaje.

Tassello Polietilene, si utilzza con viti VBA o tirafondo.

Plaster
Escayola
Intonaco



Breeze block
Bloque hormigón
Blocco di pietra

Reinforced Concrete
hormigón armado
cemento armato

XT4011	EAN	Ø	L	QTY	PCB
XT40461504641	3128825046410	6	25	50	14
XT40461504642	3128825046427	8	30	50	14

METAL PLASTERBOARD ANCHOR

TACO METAL PARA ANCLAJE

TASSELLO IN METALLO

Metal Anchor + screw with excellent resistance and reliability; To be used with setting tool;

Sistema de anclaje para una buena resistencia al arranque. Se utiliza con pinza. Con tornillo

Sistema di ancoraggioper una buona resistenza all'ancoraggio. Si utilizza con la pinza. Con vite.

Plaster
Escayola
Intonaco

XT4012	EAN	Ø	L	Ø Vis/Screw	L vis/screw	QTY	PCB
XT40462104651	3128821046513	8	32	M4	40	30	6
XT40462104654	3128821046544	11	37	M5	40	20	6
XT40462104655	3128821046551	13	52	M6	60	10	6
XT40462104656	3128821046568	8	32	M4	40	10	6
XT40462104659	3128821046599	8	32	M4	40	10	6
XT40462104660	3128821046605	11	37	M5	40	6	6
XT40462104661	3128821046612	13	52	M6	60	4	6

METAL PLASTERBOARD ANCHOR BULK PACK

SURTIDO DE TACOS METAL PARA ANCLAJE

ASSORTIMENTO TASSELLO IN METALLO AD ANCORA

Metal Anchor + screw with excellent resistance and reliability; To be used with setting tool;

Sistema de anclaje para una buena resistencia al arranque. Se utiliza con pinza. Con tornillo

Sistema di ancoraggioper una buona resistenza all'ancoraggio. Si utilizza con la pinza. Con vite.

Plaster
Escayola
Intonaco

XT4012	EAN	Ø	L	Ø Vis/Screw	L vis/screw	QTY	PCB
XT40461504650	3128825046502	8	32	M4	40	50	14

METAL PLASTERBOARD ANCHOR BULK PACK + ANCHOR

SURTIDO DE TACOS METAL PARA ANCLAJE + PINZA

ASSORTIMENTO TASSELLO IN METALLO AD ANCORA + PINZA

XT40461104667

QTY	PCB	€
1	1	

Metal Anchor + screw with excellent resistance and reliability; To be used with setting tool. Ø8-11-13 mm.

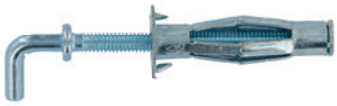
Sistema de anclaje para una buena resistencia al arranque. Se utiliza con pinza. Con tornillo. Ø8-11-13 mm.

Sistema di ancoraggioper una buona resistenza all'ancoraggio. Si utilizza con la pinza. Con vite. Ø8-11-13 mm.

METAL ANCHOR W/SQUARE HOOK

TACO METAL PARA ANCLAJE CON GOZNE

TASSELLO IN METALLO CON GANCIO



Metal Anchor + square hook with excellent resistance and reliability; To be used with setting tool.

Sistema de anclaje para una buena resistencia al arranque. Se utiliza con pinza. Con gozne

Sistema di ancoraggioper una buona resistenza all'ancoraggio. Si utilizza con la pinza. Con gancio.

Plaster
Escayola
Intonaco

XT4013	EAN	Ø	L	Ø Vis/Screw	L vis/screw	QTY	PCB
XT40462104662	3128821046629	8	32	M4	54,5	8	6
XT40462104663	3128821046636	11	37	M5	65	5	6

METAL ANCHOR WITH EYE

TACO METAL PARA ANCLAJE CON ALCAYATA

TASSELLO IN METALLO CON ANELLO

Metal Anchor + eye with excellent resistance and reliability; To be used with setting tool.

Sistema de anclaje para una buena resistencia al arranque. Se utiliza con pinza. Con alcayata

Sistema di ancoraggioper una buona resistenza all'ancoraggio. Si utilizza con la pinza. Con anello.

Plaster
Escayola
Intonaco

XT4014	EAN	Ø	L	Ø Vis/Screw	L vis/screw	QTY	PCB
XT40462104664	3128821046643	8	32	M4	67,5	8	6
XT40462104665	3128821046650	11	37	M5	78	5	6

SPRING TOGGLE FIXING

TACO METAL EN ESPIRAL

TASSELLO IN METALLO A MOLLA

XT40462104666

3128821046667

QTY	PCB	€
2	6	

Spring toggle fixing for hollow ceilings+eye. Spring holds anchor in place. Screw : M5 L100mm

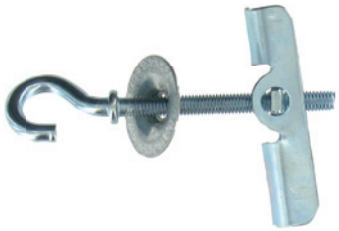
Taco con espiral para fijación en techos huecos. Con alcayata. Cierre por basculación. Tornillo : M5 L100mm

Tassello a molla automatica per una fissazione in muri vuoti. Con anello. Vite: M5 L100 mm.

SPRING TOGGLE FIXING

Spring toggle fixing for hollow ceilings+hook. Spring holds anchor in place. Screw : M5 L100mm

TACO METAL PARA VOLTEAR



Taco con báscula automática para fijación en techos huecos. Con gancho. Tornillo : M5 L100mm

TESSELLO AD ANCORA

XT40462104669

3128821046698

QTY	PCB	€
2	6	

Tassello ad ancora automatica per una fissazione in muri vuoti. Con anello. Vite : M5 L100 mm.

ANCHOR SETTING TOOL

Used for setting metal anchors in wall -enables expansion of the anchor

PINZA PARA TACO METAL

Específico para la colocación tacos de metal para anclaje, permite una expansión del taco.

PINZA PER LA POSA DI TASSELLI METALLO

XT40462104670

3128821046704

QTY	PCB	€
1	3	

Specifica nella posa del tassello metallo ada ancoraggic, permette l'espansione del tassello.

NYLON ANCHOR MULTI MATERIAL

Nylon anchor for hollow and solid materials + wood screw

TACO NYLON MULTI-MATERIAL

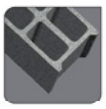
Taco nylon para anclaje, multi-materiales. Con tornillo VBA

TASSELLO NYLON MULTI MATERIALI

Tassello nylon a ancoraggio, multi-materiale. Con viti VBA.

Brick
ladrillo
Mattone

Plaster
Escayola
Intonaco



XT4019	EAN	Ø	L	Ø Vis/Screw	L vis/screw	QTY	PCB
XT40462104678	3128821046780	7	32	4	40	10	6
XT40462104679	3128821046797	8	36	5	45	8	6

SELF DRILLING ANCHOR W/ SCREW

TACO AUTO-PERFORADOR CON TORNILLO

TASSELLO AUTO PERFORANTE CON VITE

Nylon self drilling anchor + screw. No drill needed

Taco en nylon auto-perforador, no necesita taladro. Con tornillo.

Tassello in nylon auto perforante, con vite

Plaster
Escayola
Intonaco

XT4020	EAN	Ø	L	Ø Vis/Screw	L vis/screw	QTY	PCB
XT40462104680	3128821046803	10	38	4,5	35	8	6
XT40462104682	3128821046827	10	38	4,5	50	8	6

SELF DRILLING ANCHOR WITH EYE

TACO AUTO-PERFORADOR CON ALCAYATA

TASSELLO AUTO PERFORANTE CON ANELLO

Nylon self drilling anchor + .eye No drill needed

Taco en nylon auto-perforador, no necesita taladro. Con alcayata

Tassello in nylon auto perforante, con anello

Plaster
Escayola
Intonaco

XT4021	EAN	Ø	L	Ø Vis/Screw	L vis/screw	QTY	PCB
XT40462104684	3128821046841	10	38	4,5	60	8	6

SELF DRILLING ANCHOR W/ SQUARE HOOK

TACO AUTO-PERFORADOR CON GOZNE

TASSELLO AUTO PERFORANTE CON GANCIO

Nylon self drilling anchor + square hook
No drill needed

Taco en nylon auto-perforador, no necesita taladro. Con gozne

Tassello in nylon auto perforante, con gancio

Plaster
Escayola
Intonaco

XT4022	EAN	Ø	L	Ø Vis/Screw	L vis/screw	QTY	PCB
XT40462104685	3128821046858	10	38	4,5	63	8	6

SELF DRILLING ANCHOR W/ ROUND HOOK

TACO AUTO-PERFORADOR CON GANCHO

TASSELLO AUTO PERFORANTE CON ANELLO

Nylon self drilling anchor + hook No drill needed

Taco en nylon auto-perforador, no necesita taladro. Con gancho

Tassello in nylon auto perforante, con anello

Plaster
Escayola
Intonaco

XT4023	EAN	Ø	L	Ø Vis/Screw	L vis/screw	QTY	PCB
XT40462104686	3128821046865	10	38	4,5	52	8	6

PICTURE HOOK + SCREW , FOR PLASTER

GANCHO PARA CUADROS PLADUR + TORNILLO

ANELLO PER CARTONGESSO + VITE

XT40462104616

3128821046162

QTY	PCB	€
40	6	

Hook for fixing pictures in plaster walls

Gancho para colocar cuadros en escayola.

Inserto per la posa di anelli nel cartongesso

BLIND RIVETS | REMACHES | RIVETTI

For fixing metal / Steel. Automobile & DIY applications. Use with riveting tool

Para ensamblado de metal, acero, en el sector del automóvil y bricolaje

Per l'assemblaggio di metallo, acciaio, nel dominio dell'automobile e del bricolage. Utilizzare con la pinza da rivetti.

XT4024	EAN	Ø	L	QTY	PCB
XT40462104690	3128821046902	4	12	20	6
XT40462104691	3128821046919	4	16	20	6
XT40462104692	3128821046926	4,8	12	20	6
XT40462104693	3128821046933	4,8	18	20	6

RIVETING TOOL | PINZA PARA REMACHES | PINZA PER RIVETTI

XT40462104695

3128821046957

QTY	PCB	€
1	3	

For fixing metal & aluminium plate ,sign fixing, car number plates

Específica para el montaje de remaches en chapas de acero, aluminio, paneles de señalización, placas de matrículas.

Specifici rivetti di fissaggio in acciaio, per il fissaggio di segnaletica, alluminio, targa d'immatricolazione

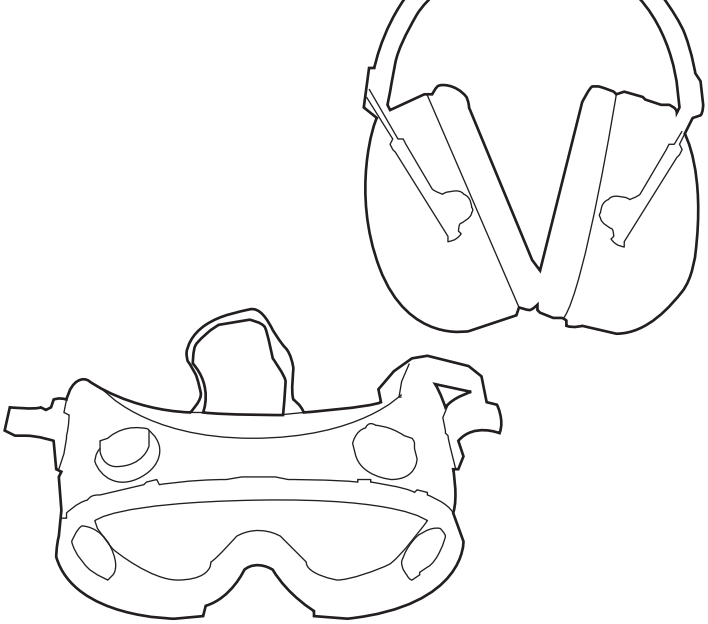
GENE-
RAL
CATALOGUE

SAFETY PRODUCTS

PROTECCIÓN

PROTEZIONE

#17/19



SAFETY PRODUCTS
PROTECCIÓN
PROTEZIONE

EYE PROTECTION 689
DE OJOS
DEGLI OCCHI

GLOVES 690
DE MANOS
DELLE MANI

RESPIRATORY PROTECTION 695
DE VÍAS RESPIRATORIAS
DELLE VIE RESPIRATORIE

HEARING PROTECTION 696
PROTECCIÓN AUDITIVA
PROTEZIONE
DELLE ORECCHIE

HELMETS & SAFETY WEAR 697
PROTECCIÓN
DE CABEZA Y CUERPO
PROTEZIONE TESTA
E CORPO

TIVOLY

PROTECTION
PROTECTION

Protection des yeux
Eyes protection

Protection des mains
Hands protection

Protection des voies respiratoires
Respiratories protection

Protection des oreilles
Ears protection

Protection du corps
Body protection

particulier@tivoly.com

#17

ULTRALIGHT PROTECTIVE GLASSES

CE EN 166 | CE EN 170 | CE EN 172

Lightweight (25g). Protection from solid particles, for DIY & gardening use. Optical Class 1. Mech resistance F.

GAFAS PROTECCIÓN LIGERA

Ultra ligero 25g. Contra las proyecciones sólidas, para trabajos de bricolaje y desherbado. Clase óptica 1. Resistencia mecánica F.

OCCHIALI PROTEZIONE LEGGERA

Ultra leggeri 25 gr. Contro spruzzi di solidi. Comfort e sicurezza. Per i lavori di fai da te e diserbaggio. Classe ottica 1. Resistenza meccanica F.

XT90912000588

3128820005887

QTY	PCB	€
1	1	

LATERAL PROTECTIVE GLASSES

CE EN 166

Glasses with cord. Protection from solid particles. DIY comfort & security.. Optical Class 1. Mech resistance F.

GAFAS PROTECCIÓN LATERAL

Gafas con cordón. Contra las proyecciones sólidas. Confort y seguridad. Para trabajos de bricolaje. Clase óptica 1. Resistencia mecánica F.

OCCHIALI PROTEZIONE LATERALE

Occhiali con cavo. Contro spruzzi di solidi. Comfort e sicurezza. Per i lavori di fai da te. Classe ottica 1. Resistenza meccanica F.

XT90912000589

3128820005894

QTY	PCB	€
1	1	

SAFETY GLASSES

CE EN 166

Can be worn over prescription spectacles. Protection against solid particles, for DIY use. Optical Class 1. Mech resistance F.

SOBREGAFAS

Permite llevar gafas correctoras. Contra las proyecciones sólidas. Para trabajos de bricolaje. Clase óptica 1. Resistencia mecánica F.

SOVRAOCCHIALI

Permette di indossare gli occhiali. Contrôle protezioni solide. Per lavori di Bricolage. Classe ottica 1. Resistenza meccanica F.

XT90912000952

3128820009526

QTY	PCB	€
1	1	

WELDING GOGGLES

CE EN 166

Goggles with vents. Anti mist coating. Suitable for soldering and light welding, NOT for Arc welding. Optical Class 1. Mech resistance F.

GAFAS DE SOLDADURA

Ventilada+tratamiento anti-vaho. Para soldadura y soldadura autógena. No conviene para soldadura por arco. Clase óptica 1. Resistencia mecánica F.

OCCHIALI DA SALDATORE

Ventilato con trattamento anti-nebbia. Adatto a sbavatura & saldatura. Non adatto per la saldatura ad arco. Classe ottica 1. Resistenza meccanica F.

XT90912000953

3128820009533

QTY	PCB	€
1	1	

ANTI-MIST TREATED GOGGLES

CE EN 166

XT90912000951

3128820009519

QTY	PCB	€
1	1	

Goggles with 4 vents. Anti mist coating Protection against solid & liquid particles, for DIY & gardening use. Optical Class 1. Mech resistance F.

MÁSCARA VENTILACIÓN

4 ventilaciones. Tratamiento anti-vaho. Contra las proyecciones sólidas y líquidas. Para bricolaje y desbrozado. Clase óptica 1. Resistencia mecánica F.

MASCHERA CON VENTILAZIONE

4 ventilazioni .Trattamento anti-nebbia. Contro spruzzi di liquidi e solidi. Pr & tbricolage radura. Classe ottica 1 - Resistenza meccanica F.

VENTILATED GOGGLES

CE EN 166

XT90911500974

3221910897413

QTY	PCB	€
1	10	

Goggles with vents. Protection against solid & liquid particles, for DIY & gardening use. Optical Class 1. Mech resistance F.

MÁSCARA VENTILACIÓN

Máscara de ventilación directa. Contra las proyecciones sólidas y líquidas. Para trabajos de Bricolaje y desbrozado. Clase óptica 1. Resistencia mecánica F.

MASCHERA CON VENTILAZIONE

Maschera di ventilazione diretta. Contro spruzzi di liquidi e solidi. Per bricolage. Classe ottica 1 - Resistenza meccanica F.

FACE SCREEN+HEAD BAND RACK

CE EN 166

XT90914000957

3128820009571

QTY	PCB	€
2	1	

Face screen with adjustable head and rack. + visor lift. For clearing, hedge clipping, sawing.

VISERA DE PROTECCIÓN

Con diadema regulable por cremallera y visera regulable. Para trabajos de desbrozado, tronzado, tala de setos.

VISIERA DI PROTEZIONE

Fascia per testa regolabile con visiera. Per lavori di giardinaggio, taglio e dimensionamento siepi.

WORK GLOVES - INTENSIVE USE

CE EN 420

3122 CE EN388

XT90932000980

3128820009809

QTY	PCB	€
1	1	

Cloth backed cowhide leather glove with wrist protection. For heavy duty DIY use & lifting tasks. Comfortable & supple.

GUANTES MANTENIMIENTO INTENSIVO

Guante de cuero + protección de arterias. Dorso y puño de tela. Para grandes trabajos de bricolaje, manipulación de objetos pesados. Cómodo y flexible.

GUANTI MANUTENZIONI INTENSIVE

Pelle bovina + proteggi arteria, dorso e bracciale. Per il grande lavoro di fai da te, sollevamento di carichi pesanti. Confortevole e flessibile.

LIGHT DUTY WORK GLOVES

GUANTE MANTENIMIENTO LIGERO

GUANTI PER MANUTENZIONI LEGGERE

CE EN 420

3121 CE EN388

Supple cowhide leather glove with wrist protection.General purpose.For DIY use incl tools.

Guante de cuero + protección de arterias. Flexible, polivalente. Para trabajos de bricolaje, uso de máquinas, herramientas.

Pelle bovina pregiata + proteggi arteria. Flessibile, versatile. Per lavoro bricolage, uso della macchine utensili.

XT9016	EAN	Size	QTY	PCB
XT90932000959	3128820009595	8/M	1	1
XT90932000960	3128820009601	9/L	1	1
XT90932000961	3128820009618	10/XL	1	1

DIY MULTI PURPOSE GLOVES

GUANTES BRICOLAJE MULTI USO

GUANTI BRICOLAGE MULTI USI

CE EN 420

4131 CE EN388

100% Polyamide - excellent dexterity for precision tasks - outdoor & indoor use.

100% poliamida, excelente destreza para una manipulación precisa en trabajos en interior y exterior.

100% poliammide, Ideale per avere una buona manualità quando si lavora all'interno e all'esterno.

XT9017	EAN	Size	QTY	PCB
XT90932000977	3221910897222	7/S	1	1
XT90932000978	3221910897239	9/L	1	1

PAINTING DECORATING GLOVES

GUANTES PINTURA DECORACIÓN Y ESCAYOLA

GUANTI PITTURA DÉCO E CARTON-GESSO

CE EN 420

3111 CE EN388

Cotton & nitrile foam gloves for working with liquids. For decorating,+cement, plaster ,fillers.

Algodón + recubrimiento de nitrilo para uso en ambientes húmedos. Trabajos de pintura, decoración, cemento, yeso,

Cotone + rivestimento in nitrile per l'uso in ambienti umidi. Pittura, decorazione, cemento, intonaco, gesso.

XT9019	EAN	Size	QTY	PCB
XT90932000981	3128820009816	9/L	1	1
XT90932000996	3221910897260	7/S	1	1

GARDENING GLOVES

GUANTES JARDÍN PARA DESHER-BAR

GUANTI GIARDINAGGIO

CE EN 420

4131 CE EN388

100% Polyamide - light polyure-thane filling. Superior flexibility for gardening,weeding & planting.

100% poliamida. Ligero recubrimiento de poliuretano. Para trabajos de jardinería y agrícolas.

100% poliammide, rivestimento in poliu-retano leggero. Ideale per il giardinaggio, diserbo, semina.

XT9023	EAN	Size	QTY	PCB
XT90932000986	3128820009861	8/M	1	1
XT90932000987	3128820009878	10/XL	1	1
XT90932000989	3221910897246	7/S	1	1

GLOVES - ANTI- THORN PROTECTION

GUANTES ROSALES Y ESPINOS

GUANTI ROSETI E SPINE

Comfortable latex with ventilated backing - anti slip. For gardening , pruning -Anti thorn.

Recubrimiento látex. Dorso aireado , anti-deslizante, cómodo. Para trabajos de jardinería, tala de rosales y espinos.

Rivestimento in lattice. Dorso areato, comfort antiscivolo. Per giardinaggio, rose e spine.

XT9020	EAN	Size	QTY	PCB
XT90932000982	3128820009823	8/M	1	1
XT90932000983	3128820009830	10/XL	1	1

BUILDERS GLOVES

GUANTES ALBAÑILERÍA

GUANTI MURATORE

XT90932000984

3128820009847

QTY	PCB	€
1	1	

Latex gloves - waterproof & protection of forearms.For working with masonry, cement, fillers, tiling.

Látex, todo recubierto. Impermeable al agua, protección del antebrazo. Para trabajos de albañilería, cemento, yeso, baldosas.

Tutto rivestitoin lattice. Impermeabile, protezione dell'avambraccio. Per muratura, calcestruzzo, gesso, piastrelle.

GLOVES FOR FATS & HYDROCARBONS

GUANTES PARA MANIPULACIÓN DE HIDROCARBUROS

GUANTI GRASSI E IDROCARBURI

XT90932000985

3128820009854

QTY	PCB	€
1	1	

PVC. For working with grease & hydrocarbons, boiler & oil tank maintenance & emptying .

PVC, todo recubierto. Para trabajos con grasas o hidrocarburos, mantenimiento de calderas, depósitos de combustible, cambio de aceite.

Tutto rivestito in pvc. Per lavoro su grasso o idrocarburi, manutenzione della caldaia, serbatoio dell'olio, scarichi.

HOUSEHOLD GLOVES

GUANTES USO DOMÉSTICO

GUANTI LAVORI IN GENERE

Pure latex , cotton lined.Superior quality. For all cleaning/washing tasks.

Puro látex. Interior forrado de algodón. Calidad superior. Para trabajos de limpieza y lavado.

Pure in lattice, cotonato. Di qualità superiore. Per lavori di la pulizia e lavaggio.

XT9024	EAN	Size	QTY	PCB
XT90932000991	3128820009915	8/M	1	1
XT90932000992	3128820009922	10/XL	1	1

DISPOSABLE VINYL GLOVES

GUANTES VINILO

GUANTI VINILE

Ambidextrous. Use once only for messy tasks with limited protection requirements.

Ambidiestros. Desechables para trabajos sucios, sin riesgo mecánico. Riesgos menores.

Ambidestra. Monouso per lavori molto sporco senza pericolo meccanico. Rischi minori.

XT9025	EAN	Size	QTY	PCB
XT90932000993	3128820009939	8-9/L	10	1
XT90932000994	3128820009946	9-10/XL	10	1

HYGIENE FACIAL MASK

MÁSCARAS DE HIGIENE

MASCHERA D'IGIENE

Avoids saliva and breathing on workpiece. Not for respiratory protection.

Evita las proyecciones de saliva y la formación de vaho sobre los objetos a trabajar. No protege las vías respiratorias.

Evita le proiezioni di saliva e l'appannamento sugli oggetti da lavorare. Non proteggere le vie aeree.

XT9010	EAN	QTY	PCB
XT90924000525	3128820005252	4	1
XT90924000972	3128820009724	10	1

FFP1 RESPIRATOR

CE-EN 149 FFP1

MÁSCARA RESPIRATORIA FFP1

MASCHERA RESPIRATORIA FFP1

XT90922000919

3128820009199

QTY	PCB	€
1	1	

Protects against fine wood & plaster dust as well as ground metal particles & brushing applications .

Protege contra las partículas de polvo finas por el lijado de escayola y madera, afilado de metales ferrosos, cepillado.

Protegge contro le polveri sottili di carteggiatura gesso e legno, metalli ferrosi molatura, spazzolatura.

FFP2 RESPIRATOR

CE-EN 149 FFP2

MÁSCARA RESPIRATORIA FFP2

MASCHERA RESPIRATORIA FFP2

XT90922000918

3128820009182

QTY	PCB	€
2	1	

Protects against fine dust & odours as well as paint fumes in well ventilated areas and steel wool , pollen, chalk & sulphur.

Protege contra el polvo fino y los olores. Pintura en entorno muy ventilado y trabajos con presencia de lana de vidrio, polen, tiza, azufre.

Protegge contro le polveri sottili e odori. Permette di pitturare in ambiente di lavoro ben ventilato in presenza di lana di vetro, il polline, il gesso.

RESPIRATOR + FILTER

CE EN 140 | CE EN 141

Use with cartridge A1P2. For Painting tasks (hand or pistol) pesticides, solvents or tasks with organic vapours.

MÁSCARA + CARTUCHO

Con cartucho filtrante A1P2. Trabajos de pintura (mano, pistola), manipulación de pesticidas, disolventes, trabajos de extracción de vapores orgánicos.

MASCHERA + CARTUCCIA

XT90922000925

3128820009250

QTY	PCB	€
1	1	

Cartuccia con filtri A1P2 Lavori con verniciatura a pistola e a mano, protezione da pesticidi, vernici, solventi, vapori organici e polveri.

RESPIRATOR FILTER CARTRIDGE

CE EN 14387

Filter cartridges A1BE1K1 for use with solvents , hydrocarbons, hydrochloric acid, sulphur dioxide & ammonia.

CARTUCHO FILTRANTE

Cartucho con filtros A1B1E1K1 para la utilización de disolventes, hidrocarburos, ácido clorhídrico, cloro, dióxido de azufre y amoniaco.

CARTUCCIA FILTRANTE

XT90922000926

3128820009267

QTY	PCB	€
1	1	

Cartuccia con filtri A1B1E1K1 per l'utilizzo di solventi, idrocarburi, acido cloridrico, cloro, biossido di zolfo e ammoniaca.

RESPIRATOR FILTER CARTRIDGE

CE EN 141

Filter cartridges A1P2 protects against pesticides , paints, solvents, organic vapours and dust.

CARTUCHO FILTRANTE

Cartucho con filtros A1P2 protege contra la manipulación de pesticidas, pinturas, disolventes, vapores orgánicos y polvo.

CARTUCCIA FILTRANTE

XT90922000927

3128820009274

QTY	PCB	€
1	1	

Cartuccia con filtri A1P2 protezione da pesticidi, vernici, solventi, vapori organici e polveri.

DISPOSABLE EAR PLUGS

CE EN 352-2

For one time use only for protection against noise. Noise reduction index SNR:25dB- Range 95>115dB.

TAPONES ANTI-RUIDO

Tapones desechables par filtrar los ruidos nocivos. Índice global de reducción SNR : 37dB - Campo de aplicación recomendado 95 >115dB.

TAPPI ANTI RUMORE

XT90944000967

3128820009670

QTY	PCB	€
20	1	

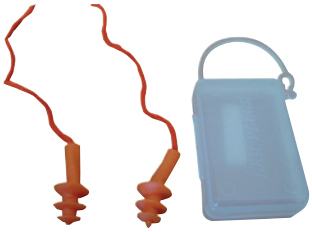
Tappi monouso per filtrare i rumori dannosi. Indice complessivo d'attenuazione SNR: 37dB - Campo di applicazione consigliato 95> 115dB.

REUSABLE EAR PLUGS

CE EN 352-2

For ongoing protection against noise. Noise reduction index SNR:25dB- Range 80>95dB.

TAPONES REUTILIZABLES



con cordel para uso permanente o intermitente. Índice global de reducción SNR: 25dB . Campo de aplicación recomendado 80>95dB.

TAPPI RIUTILIZZABILI

XT90942000968

3221910897420

QTY	PCB	€
1	1	

Tappi con cordicella per un utilizzo permanente o intermittente. Indice complessivo d'attenuazione SNR: 25dB - Campo di applicazione consigliato 80> 95dB.

EAR DEFENDERS

CE EN 352-1

Folding ear defenders. Extra comfort. Noise reduction index SNR:25dB- Range 80>95dB.

CASCO ANTI-RUIDO

Casco regulable gran confort. Índice global de reducción SNR: 27dB . Campo de aplicación recomendado 80>95dB.

CUFFIE ANTI RUMORE

XT90942000965

3128820009656

QTY	PCB	€
1	1	

Protezione audio a cuffia gran confort. Indice complessivo d'attenuazione SNR: 27dB - Campo di applicazione consigliato 80> 95dB.

FOLDABLE EAR PLUGS

CE EN 352-2

Ultra lightweight washable ear plugs (14g). Noise reduction index SNR:24dB- Range 80>95dB.

PROTECCIÓN AUDITIVA FLEXIBLE

Protector auditivo con tapones lavables, ultra ligero (14g). Índice global de reducción SNR: 24 dB. Campo de aplicación recomendado 80>95dB.

CUFFIA AD ARCO PIEGABILE

XT90942000966

3128820009663

QTY	PCB	€
1	1	

Protezione audio a tappi, lavabile, leggero (14g). Indice complessivo d'attenuazione SNR: 24dB - Campo di applicazione consigliato 80> 95dB.

SAFETY HELMET

CE EN 397

Adjustable polyethylene headband with anti perspiration strip. Combines comfort & safety. Solid & lightweight.

CASCO DE OBRA

Con casquete regulable en polietileno + banda anti-transpiración (25 cm). Para una utilización que une seguridad, comodidad, estética. Sólido, ligero.

CASCO DA CANTIERE

XT90944000975

3221910897406

QTY	PCB	€
1	1	

Con un cuffia regolabile politilene banda antisudore(25cm). Per un utilizzo in tutta sicurezza, confort e estetica. Solido, leggero.

DISPOSABLE PAINT COVERAL L

BUZO DE PINTURA

TUTA PER IMBIANCHINI

XT90944000969

3128820009694

QTY	PCB	€
1	1	

One time use only. Zip closing.Elasticated wrist, ankle & waist bands; For lightweight protection only.

Buzo desechable con capucha, cierre con cremallera, elásticos (tobillo, puño, cintura). Protección media.

Tuta unica con cappuccio cerniera ed elastici in vita caviglie a polsi. Protezione contro i rischi minori.

KNEE PADS

RODILLERAS DE OBRA

GINOCCHIERE DA CANTIERE

XT90944000971

3128820009717

QTY	PCB	€
2	1	

For prolonged working on floors/hard surfaces. Equipped with strap.

Con una correa de fijación. Para trabajos que exigen permanecer largo tiempo de rodillas.

Con una cinghia di fissazione. Per i lavori che necessitano di un tempo prolungato in ginocchio.

KNEE PADS WITH GEL

RODILLERAS DE GEL

GINOCCHIERE GEL

CE-EN 14404

XT90944000973

3128820009731

QTY	PCB	€
2	1	

Gel pad for extra comfort. Double strap fixing. Indoor & outdoor use - tiling, flooring, demolition ,planting, weeding tasks.

Con gel gran confort + doble correa de fijación rápida. Interior, exterior. Colocación de baldosa, parquet, demolición, plantación, desherbado.

Con gel grand confort + con doppi strappi per una fissazione rapida. Interno, esterno. Posa di piastrelle, parquet, giardinaggio.

WATERPROOF HEADLIGHT

FRONTAL

LAMPADA FRONTALE

CE-EN 166

XT90942000970

3128820009700

QTY	PCB	€
1	1	

With moveable lamp/reflector for working in dark areas - leaves hands free for working.

Con reflector orientable, para los trabajos en lugares sombríos, permite las manos libres durante su trabajo.

Con lampada orientabile, per lavori in posti bui, permettendo di avere la mani libere durante il lavoro.

KIT CLEARING & BUCKING

CE EN 388 | CE EN 166 | CE EN 352-1

1 pair of work gloves T10 + 1 protective visor+ 1 set of lightweight ear defenders.

KIT DESBROZADO

1 par de guantes multiuso T10 + 1 visera de protección regulable + 1 casco flexible anti-ruido.

KIT SFONDATURA DEGLI STERPI

XT90912189503

3128821895036

QTY	PCB	€
4	1	

1 paio di guanti multiuso T10 + 1 visiera di protezione + 1 Il paio di tappi pieghevoli.

DIY PROTECTION KIT

CE EN 388 | CE EN 352-2 | CE EN 149 | CE EN 166

1 pair of work gloves T10 + set of ear plugs + 1 anti dust mask FFP1 + 1 set of anti mist safety goggles.

KIT PROTECCIÓN

1 par de guantes multiuso T10 + 1 par de tapones anti-ruido + 1 máscara respiratoria FFP1 + 1 gafas con máscara de ventilación directa.

KIT PROTEZIONE BRICOLAGE

XT90911500950

3128825009507

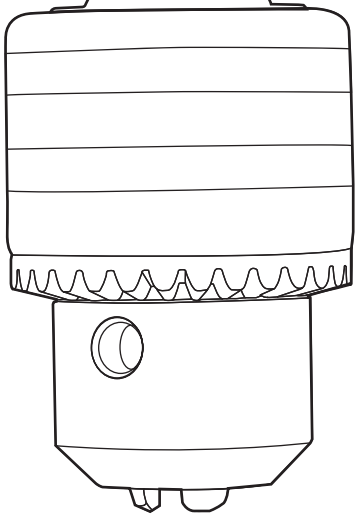
QTY	PCB	€
5	5	

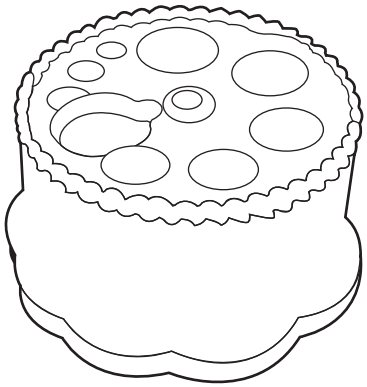
1 paio di guanti multiuso T10 + 1 paio di tappi per le orecchie + 1 maschera respatoria FFP1 + 1 paio di occhiali con ventilazione diretta.

GENE-
RAL
CATALOGUE

ACCESSORIES
ACCESORIOS
ACCESSORI

#18/19





ACCESSORIES
ACCESORIOS
ACCESSORI

HAND TOOLS 703
HERRAMIENTAS DE MANO
UTENSILI A MANO

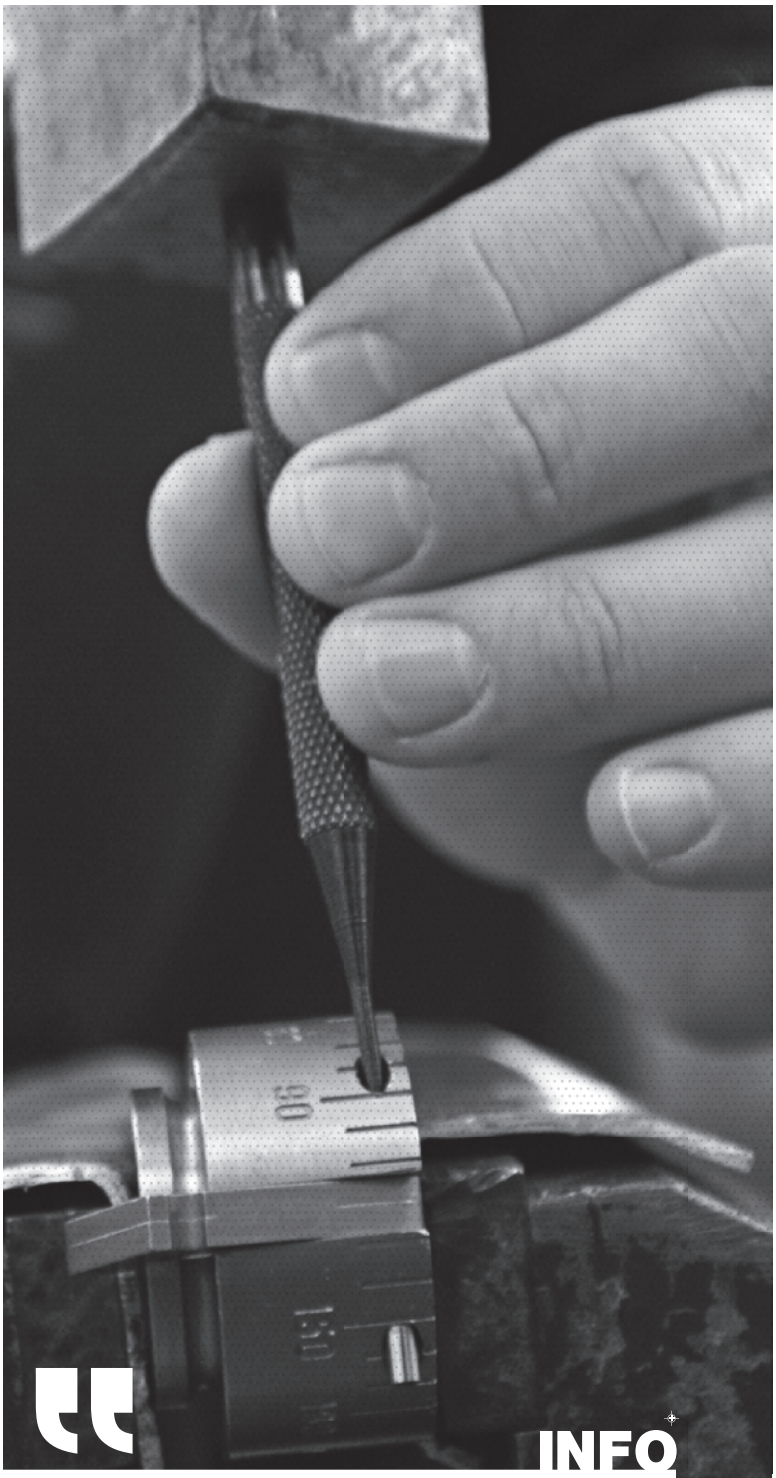
Cotter Pin Punches. Botador de clavijas. Cacciacoppiglie. #18
Nail Punches. Botadores cónicos. Cacciapunte.
Centre Punches. Punzones. Centratori.
Wall Drills. Taponadores. Punzone.
Hollow Punches. Sacabocados. Estrattori.
Gimlets. Barrenas. Succhielli.
Pin Removers. Extractores. Estrattori.
Other Accessories. Otros accesorios de mano. Altri accessori a mano.

FOR DRILLS 708
PARA TALADRO
PER TRAPANO

Scrapers. Escofinas. Raspe. #18
Grinding Stones. Muelas. Mole.
Dowelling & Jointing. Ensamblaje. Assemblaggio.
Chucks. Portabrocas. Mandrini.
Chuck Keys. Llaves de portabrocas. Chiavi per mandrino.
Paint Mixers. Mezcladores. Miscelatori.
Other Drill Accessories. Otros accesorios para taladro. Altri accessori per trapano.

WORKBENCHES 724
BANCOS
PIANO

#18



ACCESSOIRES
ACCESSORIES

Tivoly propose une gamme, d'accessoires à main et de perceuse, adaptée à tous types de travaux et d'utilisateurs :

> une harmonisation des packs avec l'ensemble des autres gammes.
> des blisters s'intégrant parfaitement dans vos linéaires.
> un nouveau pack permettant de visualiser rapidement le résultat obtenu.
> un accessoire idéalement adapté à vos besoins.

Tivoly offers a range of hand and powertool accessories, adapted to all kind of works and us ers :

> An harmonization of the packaging with those of all other range.
> The blisters are perfectly integrated in the shelf.
> A new pack that enables the consumers to have a quick view of the wanted result.
> An accessory surely adapted to your needs.

Bois | Wood
Métal | Metal
Matériaux | Materials
Divers | Specific

INFO

Un guide de perçage avec un récupérateur de poussière intégré, développé et conçu par Tivoly grâce à son savoir faire dans le domaine du bricolage. Ce modèle déposé Tivoly, correspond parfaitement aux attentes du consommateur : "percer droit et sans déraper, pour des trous parfaits".

A drill guide with an integrate dust collector, developped and designed by Tivoly, according to its know-how, in the DIY market. This Tivoly's registered design, perfectly meets consumer's expectations : "drilling straight, and without slipping, for perfect holes".

particulier@tivoly.com

COTTER PIN PUNCH | BOTADOR DE CLAVIJAS | CACCIACOPPIGLIE

Removal of cotter pins from holes

Para extraer una clavija de su alojamiento

Per estrarre una coppiglia dalla sua sede

Metal
Metal
Metallo

1110102	EAN	Ø	L	QTY	PCB
11101020002	3221910899103	5-6-8	100 > 115	3	1
11101020003	3221910899110	2-3-4	100	3	1
11101020200	3221910016500	2	100	1	3
11101020300	3221910016517	3	100	1	3
11101020400	3221910016524	4	100	1	3
11101020500	3221910016531	5	100	1	3
11101020600	3221910016548	6	115	1	3
11101020800	3221910016562	8	115	1	1

NAIL PUNCH | BOTADORES CÓNICOS | CACCIAPUNTE

Permits countersinking of screw or nail heads for a clean finish

Para un trabajo de acabado dirigido a esconder las cabezas de puntas o clavos.

Per un lavoro di finitura al fine di nascondere la testa di una vite o di un chiodo nel materiale.

Wood
Madera
Legno

1110162	EAN	Ø	L	QTY	PCB
11101620001	3221910836177	2-3-4-5	100	4	1
11101620200	3221910016593	2	100	1	3
11101620300	3221910016609	3	100	1	3
11101620400	3221910016616	4	100	1	3
11101620500	3221910016623	5	100	1	3
11101620600	3221910016630	6	100	1	3

CENTER PUNCH | PUNZONES | CENTRATORI

Creating pilot indentation in surface prior to drilling

Para una operación de punteado dirigido a señalar el centro de un agujero a taladrar

Per un operazione di punzonatura destinata a individuare il centro del foro da bucare

Metal
Metal
Metallo

1110132	EAN	Ø	L	QTY	PCB
11101320001	3221910836146	8-12	100 > 130	1	1
11101320002	3221910836153	9-10	100 > 115	2	1
11101320003	3221910899127	7-8	100	2	1
11101320004	3221910899097	12-14	130	2	1
11101320700	3221910222574	7	100	1	3
11101320800	3221910016463	8	100	1	3
11101320900	3221910016470	9	110	1	3
11101321000	3221910016487	10	115	1	1

WALL DRILL BIT | TAPONADORES | PUNZONE

Creating pilot hole prior to drilling

Para realizar un agujero ó un agujero-previo

Per realizzare un foro o un pre-foro

Brick
ladrillo
Mattone

1110142	EAN	Ø	L	QTY	PCB
11101420400	3221910016647	4	118	1	3
11101420500	3221910016654	5	120	1	3
11101420600	3221910016661	6	123	1	3

1110312	EAN	Ø	L	QTY	PCB
11103120001	3221910016364	4-5-6-7	118 > 126	4	1

PUNCHES | SACABOCADOS | PUNZONE

For cutting leather , cardboard, paper , cork & plastic

Para realizar orificios en cuero, cartón, papel, corcho, plástico

Per tagliare perforare cuoio, cartone, carta, plastica e sughero

1110202	EAN	Ø	L	QTY	PCB
11102020001	3221910836184	2-3-4-5	80 > 87	4	1
11102020002	3221910836191	6-8-10	95 > 115	3	1
11102020200	3221910016968	2	80	1	3
11102020300	3221910016975	3	80	1	3
11102020400	3221910016982	4	83	1	3
11102020500	3221910016999	5	87	1	3
11102020600	3221910017002	6	95	1	3
11102020700	3221910017019	7	95	1	1
11102020800	3221910017026	8	105	1	1
11102021000	3221910017040	10	115	1	1

EXCHANGEABLE HOLLOW PUNCHES | SACABOCADOS INTERCAMBIABLES | PUNZONE

For cutting leather , cardboard, paper , cork & plastic

Para realizar orificios en cuero, cartón, papel, corcho, plástico

Per tagliare perforare cuoio, cartone, carta, plastica e sughero

1110212	EAN	Ø	L	QTY	PCB
11102120001	3221910017088	2-3-4-5-6	80 > 95	5	1
11102120002	3221910017095	6-7-8-9-10	95 > 115	5	1

GIMLETS | BARRENAS | SUCCHIELLI

For hand held drilling in wood

Para el taladrado manual de la madera

Per fori manuali nel legno

Wood

Madera

Legno

1110072	EAN	Ø	L	QTY	PCB
11100720200	3221910018177	2	110	1	6
11100720203	3221910882068	2-3	110 > 115	2	1
11100720204	3221910018269	2-4	110 > 135	2	1
11100720300	3221910018184	3	115	1	6
11100720305	3221910018276	3-5	115 > 135	2	1
11100720400	3221910018191	4	135	1	6
11100720500	3221910018207	5	145	1	1
11100720600	3221910018214	6	155	1	1
11100722345	3221910081263	2-3-4-5	110 > 135	1	1

BROKEN PIN REMOVER SET

N°1-2-3-4. For removing broken pins - for use with a left turn key

EXTRACTOR DE CLAVOS

N°1-2-3-4. Para extraer tornillos rotos con la ayuda de un giramachos

ESTRATTORE DI TASSELLI

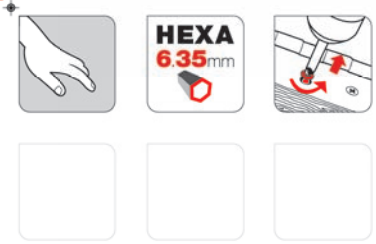
11111021234

3221910813659

QTY	PCB	€
4	1	

N°1-2-3-4. Per estrarre i tasselli rotti con l'aiuto di un cacciavite

DAMAGED SCREW REMOVER



N°2-3. For removing broken screws - for use with a power drill/driver

EXTRACTOR DE TORNILLOS

N°2-3. Para extraer puntas dañadas con su atornillador-destornillador

ESTRATTORE DI VITI

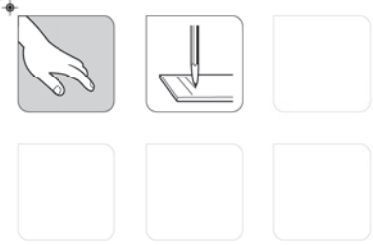
11111120002

3221910824556

QTY	PCB	€
2	1	

N°2-3. Per estrarre la testa delle viti rovinate con il vostro avvitatore

SCRIBER



For scoring , chasing or pre cutting in wood , plastic and soft materials : eg leather

PUNTA PARA TRAZAR

Para realizar un trazado, una ranura, un corte previo sobre diferentes materiales como madera, plástico ó cuero

PUNTA A TRACCIARE

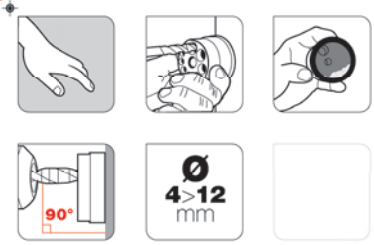
11102720001

3221910019204

QTY	PCB	€
1	1	

Per realizzare una traccia, una rainura, un pre-taglio su differenti materiali, legno plastica e cuoio.

DRILLING GUIDE PILOT



For straight drilling and dust collection (without slipping) for perfect holes,

GUÍA TALADRADO PILOT

Taladrado recto sin resbalar, para agujeros perfectos, recoge polvo.

GUIDA PER FORATURA PILOT

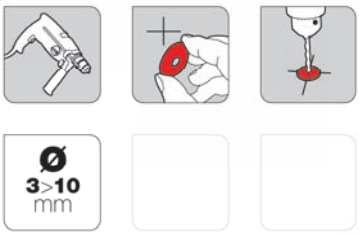
11110220001

3221910847883

QTY	PCB	€
1	6	

Forare senza scivolare, per fori perfetti, e recupero della polvere

STICKER DRILLING GUIDE



Drilling guide disposable self-adhesive for tiles, glass and laminated wood. Perfectly centres your drill without the risk of slipping.

GUÍA TALADRADO ADHESIVA

Guía de taladrado adhesiva desechable para azulejos, vidrio, plástico y maderas laminadas. Centra su taladrado sin riesgo de resbalar.

GUIDA PER FORATURA ADESIVA

11110220002

3221912000057

QTY	PCB	€
4	6	

Guida per foratura adesiva gettabileper piastrelle, vetro, plastica e legno laminato. Centrate il vostro foro senza scivolare.

MAGNETIC PICK UP TOOL

Telescopic magnetic pick up tool. Equipped with a powerful magnet for easily picking up small metal objects such as screws, nails…

VARILLA MAGNÉTICA

Varilla telescópica magnética con un potente imán para recuperar fácilmente pequeños objetos de metal como puntas, clavos, etc…

PROLUNGA MAGNETICA

11101720001

3221910866648

QTY	PCB	€
1	1	

Prolunga magnetica dotata di una potente calamita per recuperare facilmente piccoli oggetti di metallo, viti chiodi.

DRILL DOCTOR 360X

DD 360

DRILL DOCTOR 360 Ø 2,5>13 mm

DRILL DOCTOR 360X

DRILL DOCTOR 360 Ø 2,5>13 mm

DRILL DOCTOR 360X

1111177360B

3221910864354

QTY	PCB	€
1	1	

DRILL DOCTOR 360 Ø 2,5>13 mm

DRILL DOCTOR 500

DD 500

DRILL DOCTOR 500 Ø 2,5>13 mm. 118°>135°. Convential and split point-lip relief angle ajustable

DRILL DOCTOR 500

DRILL DOCTOR 500 Ø 2,5>13 mm 118°>135°. Typo de afilado : destanolado + conico + en cruz

DRILL DOCTOR 500

111117750OM

3221910864699

QTY	PCB	€
1	1	

DRILL DOCTOR 500 Ø 2,5>13 mm 118°>135° Spoglia conica & affilatura a croce - Angolo di spoglia regolabile

DRILL MOUNTED SHARPENING STONE

M 100

DRILL DOCTOR 360, 500, 750 grinder, grit 180

MUELA DE AFILADO

Muela par DRILL DOCTOR 360, 500, 750
Grano 180

MOLA PER AFFILATURA

11111720001

3221910857806

QTY	PCB	€
1	1	

Ruota per DRILL DOCTOR 360, 500, 750
Gr. 180

FLAT END MILL Ø6

For altering , stripping. Wood, metal, stone, soft plastic materials.

FRESA CILÍNDRICA PUNTA PLANA Ø6

Para ajustar, decapar. Madera, metales, materiales plásticos blandos.

RASPA SU STELO ESTREMITÀ PIATTA Ø6

XT60672000501

3128820005016

QTY	PCB	€
1	3	

Per aggiustare e decapare. Legno, metallo, materiali plastici teneri.

ROUNDED END MILL Ø6

For altering , stripping. Wood, metal, stone, soft plastic materials.

FRESA CILÍNDRICA PUNTA REDONDA Ø6

Para ajustar, decapar. Madera, metales, materiales plásticos blandos.

RASPA SU STELO ESTREMITÀ TONDA Ø6

XT60672000505

3128820005054

QTY	PCB	€
1	3	

Per aggiustare e decapare. Legno, metallo, materiali plastici teneri.

POINTED END MILL Ø6

For altering , stripping. Wood, metal, stone, soft plastic materials.

FRESA DE ACABADO CON PUNTA Ø6

Para ajustar, decapar. Madera, metales, materiales plásticos blandos.

RASPA A STELO ESTREMITÀ PICCO Ø6

XT60672000509

3128820005092

QTY	PCB	€
1	3	

Per aggiustare e decapare. Legno, metallo, materiali plastici teneri.

CONCAVE END MILL Ø12

For altering , stripping. Wood, metal, stone, soft plastic materials.

FRESA DE ACABADO OJIVA Ø12

Para ajustar, decapar. Madera, metales, materiales plásticos blandos.

RASPA A STELO ESTREMITÀ OGIVA Ø12

XT60672000512

3128820005122

QTY	PCB	€
1	3	

Per aggiustare e decapare. Legno, metallo, materiali plastici teneri.

SPHERICAL SCRAPER Ø15

For altering , stripping. Wood, metal, stone, soft plastic materials.

ESCOFINA ESFÉRICA Ø15

Para ajustar, decapar. Madera, metales, materiales plásticos blandos.

RASPA SU STELO FORMA SFERICA Ø15

XT60672000265

3128820002657

QTY	PCB	€
1	3	

Per aggiustare e decapare. Legno, metallo, materiali plastici teneri.

CYLINDRICAL SCAPER Ø15

For altering , stripping. Wood, metal, stone, soft plastic materials.

ESCOFINA CILÍNDRICA Ø15

Para ajustar, decapar. Madera, metales, materiales plásticos blandos.

RASPA SU STELO FORMA CILINDRICO Ø15

XT60672000506

3128820005061

QTY	PCB	€
1	3	

Per aggiustare e decapare. Legno, metallo, materiali plastici teneri.

CONICAL SCAPER Ø15

For altering , stripping. Wood, metal, stone, soft plastic materials.

ESCOFINA CÓNICA Ø15

Para ajustar, decapar. Madera, metales, materiales plásticos blandos.

RASPA A STELO FORMA CONICA Ø15

XT60672000522

3128820005221

QTY	PCB	€
1	3	

Per aggiustare e decapare. Legno, metallo, materiali plastici teneri.

TENON SCRAPER

For assemblies with dowels, tenons and mortices. Enables planing and surfacing. For use with a drill with vertical support.

Wood
Madera
Legno

XT60612	EAN	Ø	QTY	PCB
XT60612000550	3128820005504	15	1	1
XT60612000551	3128820005511	20	1	1
XT60612000594	3128820005948	25	1	1

ESCOFINA PARA ENSAMBLAJE DE MADERA

Para hacer ensamblajes con espigas, lengüetas y ranuras. Utilizar sobre taladro con soporte vertical.

Sheet Steel
Chapas
Lamiera

RASPA TENONATRICE

Per fare degli assemblaggi per tasselli, tenoni e mortase.Da utlizzare su trapano con un supporto verticale.

Plastic
Plástico
Plastica

GRINDING WHEEL Ø80

Medium grain sealed aluminium oxide grinder, for sharpening steel tools.

MUELA CIRCULAR Ø80

Muela en óxido de aluminio vitrificada, grano medio, para afilado de herramientas de acero.

MOLA CIRCOLARE Ø80

XT60662000299

3128820002992

QTY	PCB	€
1	3	

Mola in ossido d'alluminiovetrificato, grana media, per affilatura di utensili in acciaio.

GRINDING WHEEL DOUBLE SIDED Ø80

Sealed silicon carbide grinder for sharpening tungsten carbide tools, adaptable to a drill with reinforced tool holder.

MUELA CIRCULAR DOBLE CARA Ø80

Carburo de silicio vitrificado para afilado de herramientas en carburo de tungsteno. Se adapta al taladro con un porta-herramientas reforzado.

MOLA CIRC DOPPIA FACCIA Ø80

XT60662000664

3128820006648

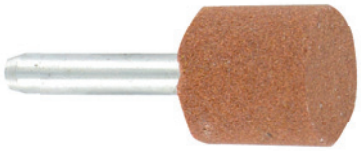
QTY	PCB	€
1	3	

Carburo di siliciovetrificato per affilatura di utensili in carburo di tungsteno. Si adatta su trapano con un porta utensili rinforzato.

CYLINDRICAL GRINDING STONE Ø20

MUELA CILÍNDRICA Ø20

MOLA CILINDRICA Ø20



XT60662000504

3128820005047

QTY	PCB	€
1	3	

For grinding, sharpening, rounding stainless steel, iron and cast iron. Made of aluminium oxide.

Para amolar, afilar, pulir acero, inox, hierro y fundición. Muela de oxido de aluminio.

Per molare, affilare, ammorbidire, acciaio, inox, ferro, e la ghisa. Mola in ossido d'alluminio.

CIRCULAR GRINDING STONE Ø40

MUELA PLATILLO Ø40

MOLA A TAZZA Ø40

XT60662000524

3128820005245

QTY	PCB	€
1	3	

For grinding, sharpening, rounding stainless steel, iron and cast iron. Made of aluminium oxide.

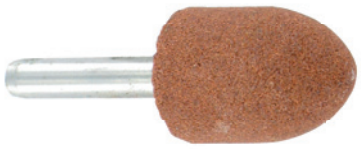
Para amolar, afilar, pulir acero, inox, hierro y fundición. Muela de oxido de aluminio.

Per molare, affilare, ammorbidire, acciaio, inox, ferro, e la ghisa. Mola in ossido d'alluminio.

CONCAVE GRINDING STONE Ø20

MUELA OJIVA Ø20

MOLA OGIVA Ø20



XT60662000508

3128820005085

QTY	PCB	€
1	3	

For grinding, sharpening, rounding stainless steel, iron and cast iron. Made of aluminium oxide.

Para amolar, afilar, pulir acero, inox, hierro y fundición. Muela de oxido de aluminio.

Per molare, affilare, ammorbidire, acciaio, inox, ferro, e la ghisa. Mola in ossido d'alluminio.

CONICAL GRINDING STONE Ø14>32

MUELA CÓNICA Ø14>32

MOLA CONICA Ø14>32

XT60662000526

3128820005269

QTY	PCB	€
1	3	

For grinding, sharpening, rounding stainless steel, iron and cast iron. Made of aluminium oxide.

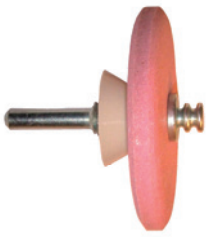
Para amolar, afilar, pulir acero, inox, hierro y fundición. Muela de oxido de aluminio.

Per molare, affilare, ammorbidire, acciaio, inox, ferro, e la ghisa. Mola in ossido d'alluminio.

DRILL MOUNTED SHARPENING STONE Ø60

MUELA DE AFILADO Ø60

MOLA PER AFFILATURA Ø60



XT60662000554

3128820005542

QTY	PCB	€
1	3	

For sharpening blades and scissors. Max rotation speed : 6000 rpm.

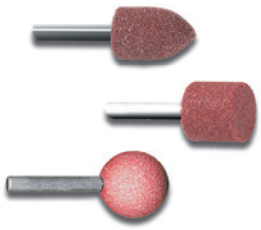
Para afilar cuchillos y tijeras. Velocidad de rotación maxi: 6000 rpm

Per affilare coltelli e forbici. Velocità max : 6000 g/min

GRINDING STONE SET Ø20

SURTIDO DE MUELAS Ø20

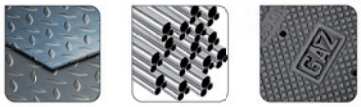
ASSORTIMENTO DI MOLE Ø20



XT60662000536

3128820005368

QTY	PCB	€
3	3	



For grinding, sharpening, rounding stainless steel, iron and cast iron. Made of aluminium oxide.

Para amolar, afilar, pulir acero, inox, hierro y fundición. Muela de oxido de aluminio.

Per molare, affilare, ammorbidire, acciaio, inox, ferro, e la ghisa. Mola in ossido d'alluminio.

GRINDING STONE SET Ø20

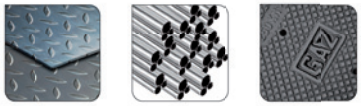
SURTIDO DE MUELAS Ø20

ASSORTIMENTO DI MOLE Ø20

XT60662000557

3128820005573

QTY	PCB	€
3	3	



For grinding, sharpening, rounding stainless steel, iron and cast iron. Made of aluminium oxide.

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Per molare, affilare, ammorbidire, acciaio, inox, ferro, e la ghisa. Mola in ossido d'alluminio.

ADJUSTABLE DOWELLING GUIDE

GUÍA DE ENSAMBLAJE

GUIDA D'ASSEMBLAGGIO

XT60632000794

3128820007942

QTY	PCB	€
1	1	

For easy and accurate corner and T butt joint. Simultaneous positioning of holes on both panels without needing prior measurement.

Ensamblado fácil en L o en T. Marcado simultáneo de perforación sobre los 2 paneles sin medida previa. Para paneles de 10 a 30 mm

Assemblaggio facile e preciso in L e T. Localizzazione simultanea della foratura di due pannelli senza misurazioni preliminari. Per pannelli di legno da 10 a 30 mm di

DOWEL CENTRE POINTS

CENTRADORES

CENTRATORE

Centring tools for dowel assemblies enables marking of the workpieces to be assembled with the precise location of the holes to be drilled.

Permite marcar sobre las planchas a ensamblar el lugar preciso del orificio a taladrar. Elegir los centradores correspondientes al Ø de espigas a utilizar

Centratore per assemblaggio di tasselli in legno permettendo di individuare sui pannelli la giusta posizione dei fori Scegliere il centratore corrispondente al Ø del tassello da utilizzare

Wood

Madera

Legno

XT60632	EAN	Ø	QTY	PCB
XT60632000430	3128820004309	6	4	3
XT60632000431	3128820004316	8	4	3
XT60632000432	3128820004323	10	4	3

WOOD DOWELS

ESPIGAS

TASSELLI IN LEGNO

Dowels for wooden assemblies. Thickness 4mm.

Espigas para ensamblado de madera. Espesor 4mm.

Tasselli per l'assemblaggio del legno. Spessore 4mm.

Wood

Madera

Legno

XT60634	EAN	L	l	QTY	PCB
XT60634063000	3128820630003	45	15	50	6
XT60634063010	3128820630102	55	19	50	6
XT60634063020	3128820630201	63	23	50	6

DEPTH STOPS

Ø6-8-10 mm. This ring, when fixed to the drill bit, enables you to limit drilling depth.

TOPES DE PROFUNDIDAD

Ø6-8-10 mm. Este aro fijado sobre la broca, permite ajustar exactamente la profundidad de taladrado

ARRESTO DI PROFONDITÀ

XT60632000689

3128820006891

QTY	PCB	€
3	3	

Ø6-8-10 mm. Questa utensile fissato su di una punta, vi permette di limitare la profondità del foro

DOWEL CENTRE POINTS

Centring tools for dowel assemblies enables marking of the workpieces to be assembled with the precise location of the

Wood

Madera

Legno

CENTRADORES

Permite marcar sobre las planchas a ensamblar el lugar preciso del orificio a taladrar. Elegir los centradores correspondientes al Ø de espigas a utilizar

CENTRATORE

Centratore per assemblaggio di tasselli in legno permettendo di individuare sui pannelli la giusta posizione dei fori Scegliere il centratore corrispondente al Ø del tassello

XT60632	EAN	Ø	QTY	PCB
XT60632000433	3128820004330	6	31	3
XT60632000434	3128820004347	8	20	3
XT60632000435	3128820004354	10	16	3

WOOD DOWELS

ESPIGAS

TASSELLI IN LEGNO

Dowels for wooden assemblies.

Espigas para ensamblado de madera

Tasselli per l'assemblaggio del legno

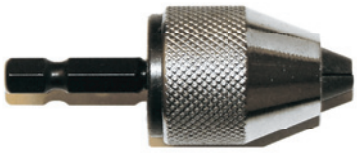
Wood
Madera
Legno

XT60634	EAN	Ø	L	QTY	PCB
XT60634000648	3128820006488	6	30	100	6
XT60634000649	3128820006495	8	40	75	6
XT60634000650	3128820006501	10	40	60	6
XT60634000883	3128820008833	6	30	50	6
XT60634000884	3128820008840	8	40	40	6
XT60634000885	3128820008857	10	40	30	6

CHUCK FOR ELECTRIC SCREWDRIVER

PORTABROCAS PARA ATORNILLADOR ELÉCTRICO

MANDRINO PER CACCIAVITE ELET-



XT60692003001

3128820030018

QTY	PCB	€
1	3	

Ø 0,5>6 mm. Electric screwdriver chuck. Changes your electric screwdriver into a drill. Fast clamping without a chuck key. Ideal for drilling pilot holes.

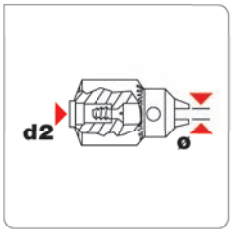
Ø 0,5>6 mm. Portabrocas para atornillador eléctrico. Transforma su atornillador eléctrico en taladro. Amarre rápido sin llave. Ideal para realizar agujeros previos.

Ø 0,5>6 mm. Mandrino per cacciavite elettrico.Trasforma il vostro cacciavite elettrico in trapano. Serraggio rapido, senza chiave. Ideale realizzare pre fori

CHUCK WITH KEY

PORTABROCAS CON LLAVE

MANDRINO A CHIAVE



Chucks with key for reversing drills and screwdrivers.

Portabrocas con llave para taladros reversibles y atornilladores.

Mandrino a chiave per trapano reversibile e avvitatore

XT0692	EAN	Ø	d2	QTY	PCB
XT60692000018	3128820000189	1,5 > 13	3/8"	1	1
XT60692000515	3128820005153	1,5 > 10	3/8"	1	1
XT60692000542	3128820005429	1> 10	1/2"	1	1
XT60692000543	3128820005436	1,5 > 13	1/2"	1	1

SELF-LOCKING CHUCK

PORTABROCAS METÁLICO CON AUTO-APRIETE

MANDRINO AUTO SERRANTE

XT60692000516

3128820005160

QTY	PCB	€
1	1	

Ø 1,5 > 13 mm. d2 : 1/2". Chucks with key for reversing drills.

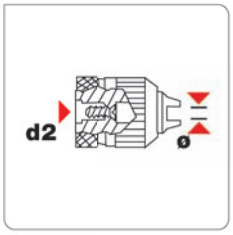
Ø 1,5 > 13 mm. d2 : 1/2". Portabrocas de autoapriete para taladros reversibles.

Ø 1,5 > 13 mm. d2 :1/2". Mandrino auto serrante per trapano reversibile

SOLF-LOCKING CHUCK

PORTABROCAS AUTO-APRIETE

MANDRINO AUTO SERRANTE



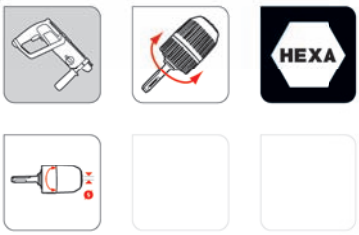
Keyless chucks for reversing drills and screwdrivers.

Portabroca de autoapriete para taladros reversibles y atornilladores

Mandrino auto serraante per trapano reversibile e avvitatore

XT60692	EAN	Ø	d2	QTY	PCB
XT60692000518	3128820005184	1,5 > 10	1/2"	1	1
XT60692000519	3128820005191	2 > 13	1/2"	1	1
XT60692000520	3128820005207	0,8 > 10	3/8"	1	1

SEFL-LOCKING CHUCK



Ø 2 > 13 mm. Keyless chucks for reversing drills and screwdrivers.

PORTABROCAS AUTO-APRIETE

Ø 2 > 13 mm. Portabroca de autoapriete para taladros reversibles y atornilladores

MANDRINO AUTO SERRANTE

XT60692000540

3128820005405

QTY	PCB	€
1	1	

Ø 2 > 13 mm. Mandrino auto serraante per trapano reversibile e avvitatore

CHUCK WITH KEY SDS

Ø 1,5 > 13 mm. Chucks with key for reversing drills and screwdrivers.

PORTABROCAS CON LLAVE SDS+

Ø 1,5 > 13 mm. Portabroca con llave para taladros reversibles y atornilladores

MANDRINO A CHIAVE SDS +

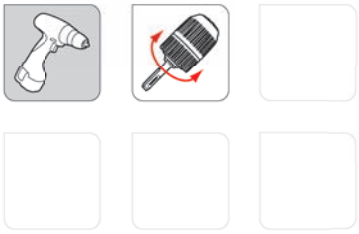
XT60692000546

3128820005467

QTY	PCB	€
2	1	

Ø 1,5 > 13 mm. Mandrino a chiave per trapano reversibile e avvitatore

ORBITER 360°



-

PORTABROCAS ANGULAR UNIVERSAL 360°

-

RINVIO AD ANGOLO UNIVERSALE 360°

XT70017621300

893264000196

QTY	PCB	€
1	3	

-

DRILL 90°

-

PORTABROCAS ANGULAR UNIVERSAL 90°

-

RINVIO AD ANGOLO UNIVERSALE 90°

XT70017621390

893264000202

QTY	PCB	€
1	3	

-

CHUCK KEY

LLAVE DE PORTABROCAS

CHIAVE PER MANDRINO

Keyless chucks for reversing drills and screwdrivers.

Portabroca de autoapriete para taladros reversibles y atornilladores

Mandrino auto serraante per trapano reversibile e avvitatore

XT60692	EAN	Mandrin/Chuck	Type	QTY	PCB
XT60692000255	3128820002558	8 > 10	S14	1	3
XT60692000256	3128820002565	13	S8	1	3
XT60692000282	3128820002824	16	S3	1	3

UNIVERSAL CHUCK KEY

LLAVE DE PORTABROCAS UNIVERSAL

CHIAVE PER MANDRINO UNIVERSALE

XT60692000257

3221910923648

QTY	PCB	€
1	3	

Universal chuck key - fits all brands. For chuck Ø10-13-16 mm. Type S3-S8-S14.

Llave universal para portabrocas todas las marcas Ø 10-13-16 mm. Typo S3-S8-S14.

Chiave per mandrino universale Ø 10-13-16 mm. Typo S3-S8-S14.

PAINT MIXER

MEZCLADOR DE PINTURAS

MISCELATORE PER VERNICE

XT60682000673

3128820006730

QTY	PCB	€
1	3	

Lg 350. Ø60. Ideal for paint mixing and other liquids - max load 5kg

Lg 350. Ø60. Ideal para mezclar materiales líquidos, pintura hasta 5 kg.

Lg 350. Ø60. Ideale per mescolare materiali liquidi, vernicie fino a 5 Kg.

MIXER FOR LIQUIDS

Lg 400. Ø80. Ideal for paint mixing and other liquids - max load 15kg

MEZCLADOR MATERIALES LÍQUIDOS

Lg 400. Ø80. Ideal para mezclar materiales líquidos, pintura hasta 15 kg.

MISCELATORE DI MATERIALE LIQUIDO

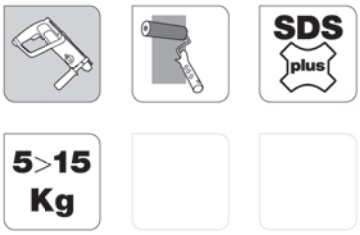
XT60683000339

3128820003395

QTY	PCB	€
1	1	

Lg 400. Ø80. Ideale per mescolare materiali liquidi, vernicie fino a 15 Kg.

MIXER FOR LIQUIDS WITH SDS+ SHANK



Lg 400. Ø80. Ideal for use with a hammer drill. Blade and shaft in zinc finish, designed for mixing liquids such as paints , lacquers & finishes as well as wallpaper adhesive;

MEZCLADOR MATERIALES LÍQUIDOS

Lg 400. Ø80. Ideal para mezclar con perforador. Turbina con cuerpo plástico y mango recubierto de zinc, recomendado para materiales líquidos: pintura, lacas, barniz, cola…

MISCELATORE DI MATERIALE LIQUIDO

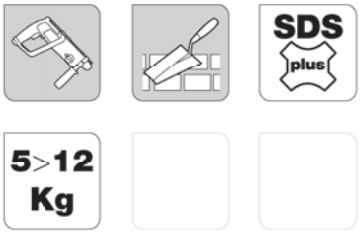
XT60683000320

3128820003203

QTY	PCB	€
1	1	

Lg 400. Ø80. Ideale per mescolare con trapano. Turbina con corpo in plastica e stelo zincato. raccomandata per liquidi: vernici, lacche, coloranti, primer, carta da parati colla …

MIXER FOR THICK MATERIALS WITH SDS+ SHANK



Lg 400. Ø80. Ideal for use with a hammer drill. Blade and shaft in zinc finish, designed for mixing liquids such as paints , lacquers & finishes as well as wallpaper

MEZCLADOR MATERIALES ESPESOS

Lg 400. Ø80. Ideal para mezclar con perforador. Turbina con cuerpo plástico y mango recubierto de zinc, recomendado para materiales espesos como masilla, cola de azulejo, mortero,

MISCELATORE DI MATERIALE SPESSO

XT60683000399

3128820003999

QTY	PCB	€
1	1	

Lg 400. Ø80. Turbina con corpo e stelo zincato raccomandato per materiali spessi come gesso, malta, colla per piastrelle, stucco ...

MIXER FOR THICK MATERIALS

Lg 400. Ø80. Blade and shaft in zinc finish, designed for mixing viscous substances such as plaster , mortar & tile adhesive and mastic

MEZCLADOR MATERIALES ESPESOS

Lg 400. Ø80. Turbina con cuerpo y mango recubierto de zinc, recomendado para materiales espesos como masilla, cola de azulejo, mortero,

MISCELATORE DI MATERIALE SPESSO

XT60681500340

3128825003406

QTY	PCB	€
1	10	

Lg 400. Ø80. Turbina con corpo e stelo zincato raccomandato per materiali spessi come gesso, malta, colla per piastrelle, stucco ...

MIXER FOR THICK MATERIALS

Lg 400. Ø80. Blade and shaft in zinc finish, designed for mixing viscous substances such as plaster , mortar & tile adhesive and mastic

MEZCLADOR MATERIALES ESPESOS

Lg 400. Ø80. Turbina con cuerpo y mango recubierto de zinc, recomendado para materiales espesos como masilla, cola de azulejo, mortero,

MISCELATORE DI MATERIALE SPESSO

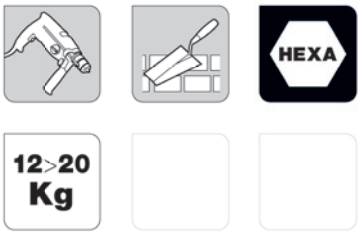
XT60683000340

3128820003401

QTY	PCB	€
1	1	

Lg 400. Ø80. Turbina con corpo e stelo zincato raccomandato per materiali spessi come gesso, malta, colla per piastrelle, stucco ...

MIXER FOR THICK MATERIALS



Lg 600. Ø100. Blade and shaft in zinc finish, designed for mixing viscous substances such as plaster , mortar & tile adhesive and mastic

MEZCLADOR MATERIALES ESPESOS

Lg 600. Ø100. Turbina con cuerpo y mango recubierto de zinc, recomendado para materiales espesos como masilla, cola de azulejo, mortero,

MISCELATORE DI MATERIALE SPESSO

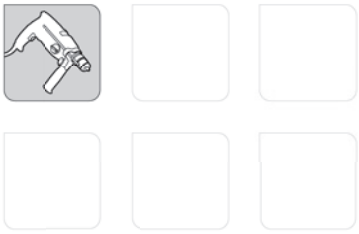
XT60683000341

3221910899479

QTY	PCB	€
1	1	

Lg 600. Ø100. Turbina con corpo e stelo zincato raccomandato per materiali spessi come gesso, malta, colla per piastrelle, stucco ...

CONICAL AMPLIFIER HOLE



Ø 6 > 24 mm.

BROCA CÓNICA AMPLI-AGUJEROS

Ø 6 > 24 mm.

PUNTA CONICA AMPLIFICA FORI

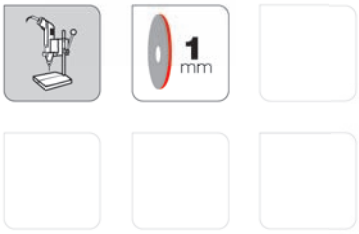
XT60672000249

3128820002497

QTY	PCB	€
1	3	

Ø 6 > 24 mm.

CIRCULAR SAW BLADE W/ARBOR Ø45



For sawing planks max 20mm, To make tabs, grooves, straight or square assemblies and rectangular tenons.

SIERRA CIRCULAR Ø45

Para serrar planchas de 20 mm max, ranuras, lengüetas, ensamblados rectos o en ángulo, dientes rectangulares

SEGHE CIRCOLARI Ø45

XT60612000216

3128820002169

QTY	PCB	€
1	1	

Per tagliare tavole di max 20 mm, Per realizzare rainure linguette, incastri, accoppiamenti dritti o quadri e tenone rettangolare

MORTISE CUTTER Ø10

For grooving, slotting or drilling in wood. Use with a drill on a vertical support.

MORTAJADORA Ø10

Para el ranurado, ranurado o taladrar en madera. El uso con un taladro en un soporte vertical.

MORTARA Ø10

XT60612000219

3128820002190

QTY	PCB	€
1	1	

Per scanalare, sbozzare o foratura in legno. Utilizzare con un trapano su un supporto verticale.

DRILL SAW BIT Ø6

To adjust, enlarge the holes, rout in all directions given to the tool. Lg 85 mm.

PERFORADOR/CORTADOR PARA GRIFOS Ø6

Para ajustar, agrandar los agujeros, derrota en todas las direcciones dadas a la herramienta. Lg 85 mm.

PUNTA FRESA PER TAGLIO Ø6

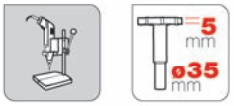
XT60672000521

3128820005214

QTY	PCB	€
1	1	

Per regolare, alargare i fori, rotta in tutte le indicazioni fornite allo strumento. Lg 85 mm.

FLAT GROOVING CUTTER Ø35



Flat groove Milling cutter for wood. For use with a drill on a vertical support.

FRESA PLANA PARA RANURAR Ø35

Fresa para ranuras, ensamblaje recto ó en escuadra ó machihembrado.

FRESA A RAINURE Ø35

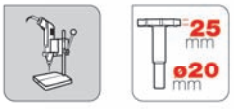
XT60612000703

3128820007034

QTY	PCB	€
1	1	

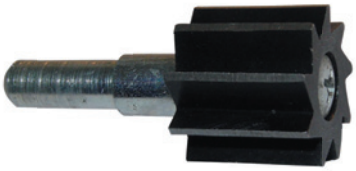
Appartamento Fresa cava per il legno. Per l'uso con un trapano su un supporto verticale.

CYLINDRICAL FLUSH CUTTER Ø20



Cylindrical cutter flush wood. For use with a drill on a vertical support.

FRESA CILÍNDRICA PARA CANTEAR Ø20



Fresa en acero para enrasar cantos, en particular sobre laminados.

FRESA CILINDRICA Ø20

XT60612000704

3128820007041

QTY	PCB	€
1	1	

Boscaiolo cilindrica a filo. Per l'uso con un trapano su un supporto verticale.

SDS+ FITTING ADAPTER Ø13

ADAPTADOR SDS+ Ø13

ADATTATORE SDS+ Ø13

XT60692000254

3128820002541

QTY	PCB	€
1	1	

Threaded Chuck 1/2, 20 ". Use an HammerDrill as a Classic Drill.

Compacto Chuck 1/2, 20 ". Transforma todos los martillos perforadores en taladros.

Chuck filettato 1/2, 20 ". Utilizzare un trapano con percussione come un classico.

ARBOR Ø12,7

PORTA HERRAMIENTAS Ø12,7

PORTA UTENSILI Ø12,7

XT60692000253

3128820002534

QTY	PCB	€
1	1	

Monobloc strengthened Mount. For attaching Rotary tool up to Ø100 ;12.7 mm bore.

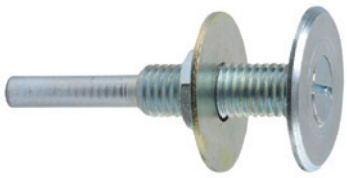
Montura monobloc de gran solidez. Para la fijación de herramienta rotativa hasta Ø100 l 12,7 mm de diámetro.

Monoblocco rafforzato Monte. Per il fissaggio utensile rotante fino a Ø100; alesaggio 12,7 mm.

ARBOR Ø10

PORTA HERRAMIENTAS Ø10

PORTA UTENSILI Ø10



XT60692000510

3128820005108

QTY	PCB	€
1	1	

For attachment of all circular tools from Ø40 to 80mm with a maximum thickness of 19 mm and a bore of 10mm.

Para la unión de todas las herramientas circulares de Ø40 a 80 mm con un espesor máximo de 19 mm y un diámetro de 10 mm.

Per il fissaggio di tutti gli strumenti circolari da Ø 40 a 80mm, con uno spessore massimo di 19 mm e un foro di 10 mm.

UNIVERSAL KEY FOR ANGLE GRINGERS

LLAVE DE AMOLADORA UNIVERSAL

CHIAVE PER MOLA UNIVERSALE

XT60692000271

3128820002718

QTY	PCB	€
1	6	

Universal. For portable electric grinder Ø115-125-230mm.

Universal. Para aoladora portátil eléctrica Ø115-125-230mm.

Universale. Per portatile smerigliatrice elettrica Ø115-125-230mm.

REVERSIBLE BLADES

HOJAS REVERSIBLES

-

Tungsten carbide.

Carburo de tungsteno.

Carburo di tungsteno.

Wood

Madera

Legno

XT60642	EAN	L	l	T	QTY	PCB
XT60642000180	3128820001803	75	5,5	1,1	2	1
XT60642000181	3128820001810	82	5,5	1,1	2	1

SELF-PRIMING TURBINE PUMP

BOMBA DE TURBINA

POMPA A TURBINA

XT60682000221

3128820002213

QTY	PCB	€
1	1	

Allows the rapid transfer of most liquids except gasoline, alcohol, acids. Flow 700 liters / hour. Rotation speed: 2800tr/mn.

Permite la transferencia rápida de la mayoría de los líquidos, excepto gasolina, alcohol, ácidos. Flujo de 700 litros / hora. Velocidad de rotación: 2800tr/mn.

Consente il rapido trasferimento della maggior parte dei liquidi tranne la benzina, alcool, acidi. Portata 700 litri / ora. Velocità di rotazione: 2800tr/mn.

SELF-PRIMING ROTOR PUMP

BOMBA CON ROTOR

POMPA ROTATORIA

XT60682000619

3128820006198

QTY	PCB	€
1	1	

Allows the rapid transfer of most liquids except gasoline, alcohol, acids. Speed __2400> 3000 liters / hour. Rotation speed: 2000> 3000 r / min.

Permite la transferencia rápida de la mayoría de los líquidos, excepto gasolina, alcohol, ácidos. Velocidad 2400> 3000 litros / hora. Velocidad de rotación: 2000> 3000 r / min.

Consente il rapido trasferimento della maggior parte dei liquidi tranne la benzina, alcool, acidi. Velocità 2400> 3000 litri / ora. Velocità di rotazione: 2000> 3000 giri / min.

UNIVERSAL CLAMPING WORK-BENCH

Folding clamping worktable - robust construction - easy & compact storage which offers an excellent tool for all DIY er's Hard

BANCO DE TRABAJO POWERBASE 200

Banco plegable para serrado y bricolaje robusto que ocupa poco espacio y que constituye un equipamiento de calidad accesible a todos. Bandeja graduada en

PIANO DI LAVORO POWERBASE 200

XT70711001100

3128820011000

QTY	PCB	€
1	1	

Piano di lavoro per fai da te robusto con sistemazione di poco ingombroche costituisce un elemento di qualità accessibile a tutti. Piano graduato in legno laminato

MINI CLAMPING WORKBENCH

Mini clamping worktable - Extremely lightweight (3,9kg) allows fast and easy transport .
Compact dimensions allow easy & conve-

MINI BANCO POWERBASE

Mini banco de trabajo fácilmente manipulable y transportable gracias a su peso pluma de 3,9 kg. Ocupa poco espacio por sus dimensiones compactas. Cajón con

MINI POWERBASE

XT70711001510

3128820015107

QTY	PCB	€
1	1	

Mini piano di lavoro facilmente trasportabile con un peso piuma di 3,9 Kg. Piccolo ingombro con dimensioni compatte. Scatola con coperchio trasparente.

MASTER HEIGHT-ADJUSTABLE CLAMPING AND WORKBENCH

Adjusts to ideal height for each task. Adjustable height allows ideal positioning for all situations

BANCO DE TRABAJO MASTER

La altura ideal para cada trabajo. El ajuste en altura permite siempre un trabajo ergonómico.

PIANO DI LAVORO MASTER

XT70711001520

3128820015206

QTY	PCB	€
1	1	

L'altezza di lavoro ideale per tutti i lavori. La regolazione in altezza permette sempre di lavorare in modo ergonomico

TUBULAR UNIVERSAL CLAMPING WORKBENCH

Tubular supports for stability and strength Ultra fast set up and fold down. Compact storage

BANCO DE TRABAJO TUBULAR

Banco tubular, estable y robusto. Montaje y plegado ultra-rápido. Almacenaje ultra-compacto

PIANO DI LAVORO TUBOLARE

XT70711001540

3128820015404

QTY	PCB	€
1	1	

Base tubolare, stabile e robusto. Montaggio pieghevole e ultra-rapido. Sistemazione ultra compatta

EXTENSIBLE PRESS | PUNTAL EXTENSIBLE | PRESSA ESTENDIBILE

A practical and indispensable DIY tool. Enables the installation of plasterboard unaided as well as ceiling strips etc..

Una herramienta práctica que se convierte en indispensable para la mayoría de trabajos de obra. Permite al profesional

Un accessorio molto utile che diventa indispensabile per numerosi lavori di cantiere! Permette di arrangiarsi da soli

XT70021	EAN	L	Kg	QTY	PCB
XT70711001550	3221910883607	160 - 290	60	1	12

XT70021	EAN	L	Kg	QTY	PCB
XT70711001551	3221910897734	75 - 125	60	1	12

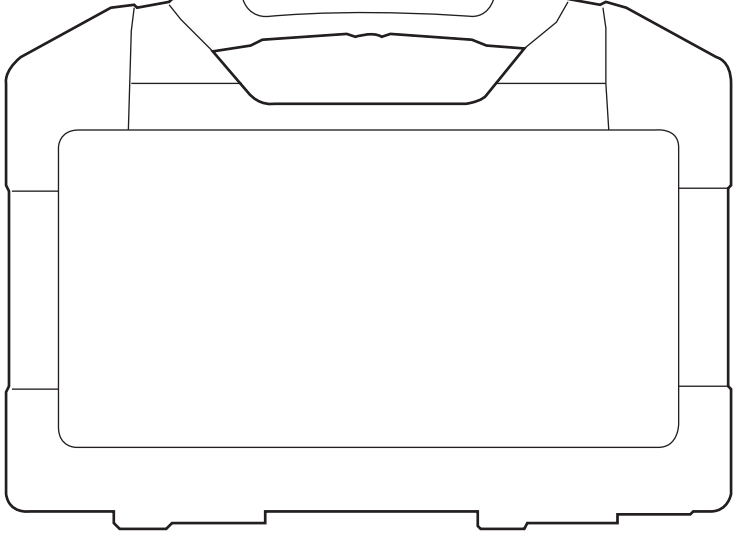
GENE-
RAL
CATALOGUE

COMBINED SETS

MALETAS MIXTOS

VALIGETTE MISTE

#19/19



COMBINED SETS
MALETAS
MIXTOS
VALIGETTE
MISTE

COMBINED DRILL BIT & SCREWDRIVER BIT SETS **729**
MALETAS Y ESTUCHES
MIXTOS
VALIGETTE
E COFANETTI MISTI

INFO

Identité visuelle forte - Design simple et fonctionnel.
> Volume et matériaux optimisés pour minimiser l'impact sur l'environnement.
> Une sélection d'outils de qualité correspondant aux besoins des bricoleurs et bricoleuses. REVERSO, un concept novateur intégrant des outils de qualité au service de la performance.

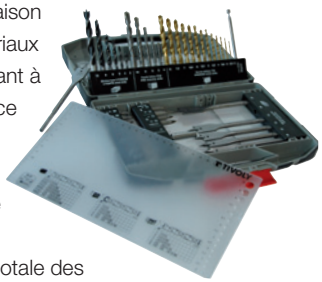
Strong visual identity - Straightforward and functional design.
> Volume and materials optimised to minimise environmental impact.
> A selection of high-quality tools matching the needs of DIY enthusiasts.
REVERSO, an innovative concept integrating high-quality tools serving performance.

TIVOLY

MALLETTES & COFFRETS
CASES & SETS

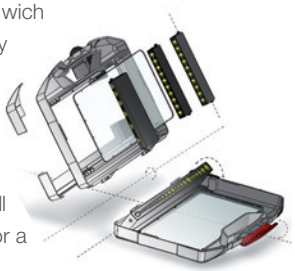
REVERSO

Fort de son expérience dans le développement de produits et accessoires électroportatifs de qualité, TIVOLY, a créé le concept REVERSO. REVERSO un concept de mallettes thématiques dédié aux activités de perçage et de vissage, né d'une combinaison originale de matériaux techniques couplant à la fois transparence et robustesse :



> la transparence du Polybarbonate Cristal offre résistance et visibilité totale des outils pour un meilleur choix.
> la coque en ABS et élastomère anti-choc assure une protection optimum de vos outils lors de leur utilisation.

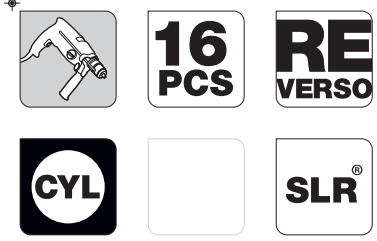
Backed by its experience in the development of high-quality products and powertools accessories. Tivoly has created the REVERSO concept. REVERSO a concept of thematic cases made for drilling and screwing activities, is based on an original mix of technical materials wich combine transparency and sturdiness :



> the transparency of the Cristal polycarbonate offers strenght and full visibility of the tools for a better choice.
> the shock-resistant ABS and elastomer shell provides optimum protection of your tools during the use.

particulier@tivoly.com

T16 MIXED SET



TIN METAL bit Ø 2>6 mm / BRAD POINT bit Ø 3>8 mm / MASONRY PRO bit Ø 4>8 mm / Accessories

MAL. T16 MIXTA

Brocas METAL TIN Ø 2>6 mm / Brocas MADERA 3 PUNTAS Ø 3>8 mm / Brocas HORMIGÓN PRO Ø 4>8 mm / Accesorios

VAL.T16 MISTO

11901170033

3221910853549

QTY	PCB	€
16	1	**16,95**

Punte METALLO TIN Ø 2>6 mm / Punte LEGNO 3 PUNTE Ø 3>8 mm / Punte CEMENTO PRO Ø 4>8 mm / Accessori

T25 MIXED SET

TIN METAL bit Ø 2>8 mm / BRAD POINT bit Ø 3>8 mm / MASONRY PRO bit Ø 4>8 mm / Screwbits / Accessories

MAL. T25 MIXTA

Brocas METAL TIN Ø 2>8 mm / Brocas MADERA 3 PUNTAS Ø 3>8 mm / Brocas HORMIGÓN PRO Ø 4>8 mm / Accesorios

VAL.T25 MISTO

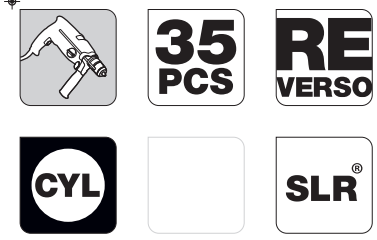
11901170038

3221910882075

QTY	PCB	€
25	1	**22,81**

Punte METALLO TIN Ø 2>8 mm / Punte LEGNO 3 PUNTE Ø 3>8 mm / Punte CEMENTO PRO Ø 4>8 mm / Accessori

T35 MIXED SET



TIN METAL bit Ø 2>8 mm / BRAD POINT bit Ø 3>8 mm / MASONRY PRO bit Ø 4>8 mm / Screwbits / Accessories

MAL. T35 MIXTA

Brocas METAL TIN Ø 2>8 mm / Brocas MADERA 3 PUNTAS Ø 3>8 mm / Brocas HORMIGÓN PRO Ø 4>8 mm / Puntas / Accesorios

VAL.T35 MISTO

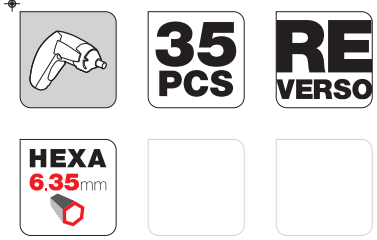
11901170029

3221910847838

QTY	PCB	€
35	1	**31,88**

Punte METALLO TIN Ø 2>8 mm / Punte LEGNO 3 PUNTE Ø 3>8 mm / Punte CEMENTO PRO Ø 4>8 mm / Inserti / Accessori

T35 HEXA MIXED SET



TIN METAL HEXA bit Ø 2>8 mm / BRAD POINT HEXA bit Ø 3>8 mm / MASONRY PRO HEXA bit Ø 4>8 mm / Screwbits / Accessories

MAL. T35 MIXTA HEXA

Brocas METAL TIN HEXA Ø 2>8 mm / Brocas MADERA 3 PUNTAS Ø 3>8 mm / Brocas HORMIGÓN PRO Ø 4>8 mm / Puntas / Accesorios

VAL.T35 MISTO ESAGONALE

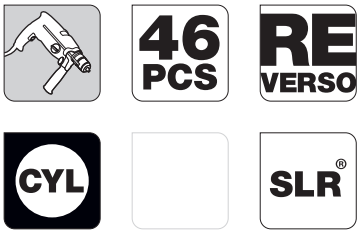
11901170035

3221910828141

QTY	PCB	€
35	1	**28,68**

Punte METALLO TIN Esag. Ø 2>8 mm / Punte LEGNO 3 PUNTE Esag. Ø 3>8 mm / Punte CEMENTO PRO Esag. Ø 4>8 mm / Inserti / Accessori

T46 MIXED SET



TIN METAL bit Ø 2>8 mm / BRAD POINT bit Ø 3>10 mm / MASONRY PRO bit Ø 4>10 mm / FLAT WOOD bit Ø10>24mm / Screwbits / Accessories

MAL. T46 MIXTA

Brocas METAL TIN Ø 2>8 mm / MADERA 3 PUNTAS Ø 3>10 mm / HORMIGÓN PRO Ø 4>10 mm / MADERA PLANA Ø10>24mm / Puntas / Accesorios

VAL.T46 MISTO

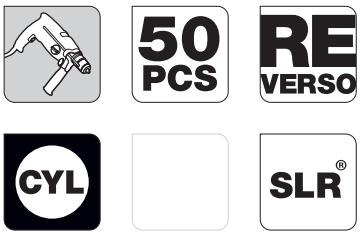
11901170036

3221910862916

QTY	PCB	€
46	1	**39,45**

Punte METALLO TIN Ø 2>8 mm / Punte LEGNO 3 PUNTE Ø 3>10 mm / Punte CEMENTO PRO Ø 4>10 mm / Punte LEGNO PIATTA Ø10>24mm / Inserti / Accessori

T50 GREEN MIXED SET



GREEN METAL bit Ø 2>8 mm / GREEN WOOD bit Ø 3>10 mm / GREEN MASONRY bit Ø 4>10 mm / Screwbits / Accessories

MAL. T50 GREEN MIXTA

Brocas METAL GREEN Ø 2>8 mm / Brocas MADERA GREEN Ø 3>10 mm / Brocas HORMIGÓN GREEN Ø 4>10 mm / Puntas / Accesorios

VAL.T50 GREEN MISTO

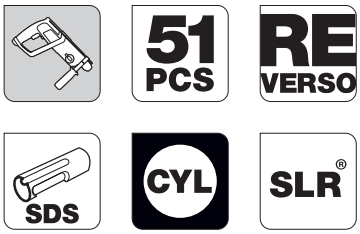
11901170040

3221910883461

QTY	PCB	€
50	1	**148,19**

Punte METALLO GREEN Ø 2>8 mm / Punte LEGNO GREEN Ø 3>10 mm / Punte CEMENTO GREEN Ø 4>10 mm / Inserti / Accessori

T51 SDS MIXED SET



TIN METAL bit Ø 2>8 mm / BRAD POINT bit Ø 3>10 mm / MASONRY PRO bit Ø 4>10 mm / SDS bit L160 Ø 5>10 mm / Screwbits / Accessories

MAL. T51 SDS MIXTA

Brocas METAL TIN Ø 2>8 mm / MADERA 3 PUNTAS Ø 3>10 mm / HORMIGÓN PRO Ø 4>10 mm / HORMIGÓN SDS+ Ø5>10 mm / Puntas / Accesorios

VAL.T51 SDS MISTO

11901170041

3221910896430

QTY	PCB	€
51	1	**50,32**

Punte METALLO TIN Ø 2>8 mm / Punte LEGNO 3 PUNTE Ø 3>10 mm / Punte CEMENTO PRO Ø 4>10 mm / Punte CEMETO SDS+ Ø 5>10mm / Inserti /

T14 WOOD SLR SET

Depth marked PRO BRAD POINT BIT ø 3>10mm+FLATWOOD bits ø 12>22mm

MAL. T14 SLR

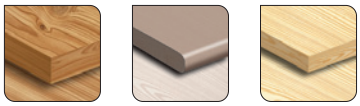
Brocas MADERA 3 PUNTAS PRO GRADUADAS ø 3>10 mm + MADERA PLANA ø 12>22 mm

VAL.T14 SLR

10863870010

3221910880064

QTY	PCB	€
14	1	**28,06**



Punte LEGNO 3 PUNTE PRO GRADUATA ø 3>10 mm + LEGNO PIATTE ø 12>22 mm

T12 IND SLR CASE

Depth marked MASONRY IND bits ø 3-4-5-6-7-8-8-9-10-11-12mm

MAL. T12 IND SLR

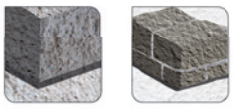
Brocas HORMIGÓN IND GRADUADAS ø 3-4-5-6-6-7-8-8-9-10-11-12 mm

VAL. T12 IND SLR

10960370012

3221910880255

QTY	PCB	€
12	1	29,98



Punte CEMENTO IND GRADUATA ø 3-4-5-6-6-7-8-8-9-10-11-12 mm

T12 SDS+ STD SET

SDS+ Bits Single Flute : L110 ø 4-5-6/ L160 ø 5-6-7-8-9-10/Point + Chisel L140 mm

MAL. T12 SDS STD

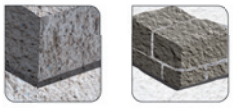
Broca SDS+ canal simple: L110 ø 4-5-6/ L160 ø 5-6-7-8-9-10/Puntero + Cincel L140 mm/Accesorios

VAL. T12 SDS STD

10901070041

3221910853532

QTY	PCB	€
12	1	26,49



Punte SDS+ unica gola di scarico : L110 ø 4-5-6/ L160 ø 5-6-7-8-9-10/Punta + scalpello L140 mm/ Accessori

T16 "COB TIN" SET

Depth marked METAL COBALT TIN bits ø 1->8x 0,5mm+3,2-4,2mm

MAL. T16 "COB TIN"

Brocas METAL "COB TIN" GRADUADAS ø 1 > 8 par 1/2 mm + 3,2-4,2 mm

VAL. T16 "COB TIN"

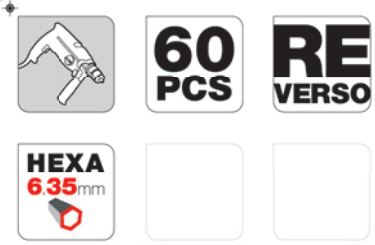
11469370016

3221910880897

QTY	PCB	€
16	1	39,66

Punte METALLO "COB TIN" GRADUATA ø 1 > 8 per 1/2 mm + 3,2-4,2 mm

T60 SCREWING SET



Lg 25 mm: 5 Slot/ 7 Ph/ 8 Pz/ 7 Allen/ 6 TX/ 4 TXT/ 3 Square/ L50mm : 3 Slot/ 3 Ph/ 3 Pz/ 4 Allen/ 6 TXT /1 Quick change screwdriver bit holder

MAL. T60 ATORNILLAR

Lg 25 mm: 5 Ranura / 7 Ph / 8 Pz / 7 Caras / 6 TX / 4 TXT / 3 Cuadrado / L50mm : 3 Ranura / 3 Ph / 3 Pz / 4 caras / 6 TXT / 1 Portapuntas Quick-change.

VAL. T60 AVVITATURA

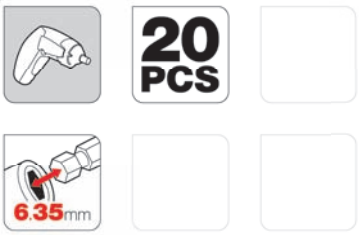
11501570020

3221910854225

QTY	PCB	€
60	1	22,97

Lg 25 mm: 5 Taglio / 7 Ph / 8 Pz / 7 esagon / 6 TX / 4 TXT / 3 quadrato / L50mm : 3 Taglio / 3 Ph / 3 Pz / 4 esagon / 6 TXT / 1 Porta Inserti a cambio rapido

T20 HEXA MIXED SET



TIN METAL HEXA bit Ø 2>5 mm / BRAD POINT HEXA bit Ø 3>5 mm / MASONRY PRO HEXA bit Ø 5>8 mm / Screwbits / Accessories

MAL. T20 MIXTA HEXA

Brocas METAL TIN HEXA Ø 2>5 mm / Brocas MADERA 3 PUNTAS HEXA Ø 3>5 mm / Brocas HORMIGÓN PRO HEXA Ø 5>8 mm / Puntas / Accesorios

VAL.T20 MISTO ESAGONALE

11901170043

3221910900403

QTY	PCB	€
20	1	17,12

Punte METALLO TIN Esag. Ø 2>5 mm / Punte LEGNO 3 PUNTE Esag. Ø 3>5 mm / Punte CEMENTO PRO Esag. Ø 5>8 mm / Inserti / Accessori

T30 MIXED SET

TIN METAL bit Ø 2>6 mm / BRAD POINT bit Ø 3>8 mm / MASONRY PRO bit Ø 4>8 mm / Screwbits / Accessories

MAL. T30 MIXTA

Brocas METAL TIN Ø 2>6 mm / MADERA 3 PUNTAS Ø 3>8 mm / HORMIGÓN PRO Ø 4>8 mm / Puntas / Accesorios

VAL.T30 MISTO

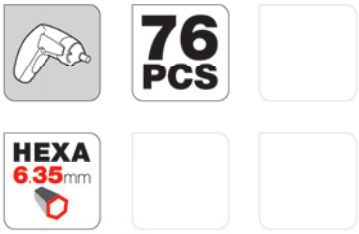
11901170034

3221910853556

QTY	PCB	€
30	1	22,52

Punte METALLO TIN Ø 2>6 mm / Punte LEGNO 3 PUNTE Ø 3>8 mm / Punte CEMENTO PRO Ø 4>8 mm / Inserti / Accessori

T76 HEXA MIXED SET



TIN METAL bit Ø 2>5 mm / FLAT WOOD bit Ø 10>18 mm / MASONRY STD bit Ø 3>5 mm / Screwbits / Accessories

MAL. T76 MIXTA HEXA

Brocas METAL TIN Ø 2>8 mm / MADERA PLANA Ø10>18 mm / HORMIGÓN STD Ø 3>5 mm / Puntas / Accesorios

VAL.T76 MISTO ESAGONALE

11901170030

3221910847944

QTY	PCB	€
76	1	29,28

Punte METALLO TIN Ø 2>8 mm / Punte LEGNO PIATTA Ø10>18 mm / Punte CEMENTO PRO Ø 3>5 mm / Inserti / Accessori

D11 MIXED SET

METAL TX bit Ø 4>8 mm / MASONRY PRO bit Ø 4>8 mm / BRAD POINT PRC bit Ø 4>8 mm

EST. D11 MIXTA

Brocas METAL TX Ø 4>8 mm / HORMIGÓN STD Ø 4>8 mm / MADERA 3 PUNTAS Ø 4>8 mm

COF.D11 MISTO

11900470006

3221910051754

QTY	PCB	€
9	1	27,37

Punte METALLO TX Ø 4>8 mm / Punte CEMENTO PRO Ø 4>8 mm / Punte LEGNO 3 PUNTE Ø 4>8 mm

D12 MIXED SET

09 PCS

CYL

METAL TX bit Ø 3>8 mm / MASONRY PRO bit Ø 4>8 mm

EST. D12 MIXTA

Brocas METAL TX Ø 3>8 mm / HORMIGÓN STD Ø 4>8 mm

COF.D12 MISTO

11900470007

3221910051761

QTY	PCB	€
9	1	27,41

Punte METALLO TX Ø 3>8 mm / Punte CEMENTO PRO Ø 4>8 mm

P57 MIXED SET

57 PCS

CYL

TIN METAL bit Ø 1,5>6,5 mm / FLAT WOOD bit Ø 13>22 mm / MASONRY STD bit Ø 4>8 mm / Screwbits / Accessories

MAL. P57 MIXTA

Brocas METAL TIN Ø 1,5>6,5 mm / MADERA PLANA Ø 13>22 mm / HORMIGÓN STD Ø 4>8 mm / Puntas / Accesorios

VAL. P57 MISTO

51901170037

3221910843670

QTY	PCB	€
57	1	24,84

Punte METALLO TIN Ø 1,5>6,5 mm / Punte LEGNO PIATTA Ø 13>22 mm / Punte CEMENTO STD Ø 4>8 mm / Inserti / Accessori

P65 MIXED SET

65 PCS

CYL

Standard METAL bit Ø 1>8 mm / BRAD POINT bit Ø 3>8 mm / MASONRY bit Ø 4>8 mm / Screwbits / Accessories

MAL. P65 MIXTA

Brocas METAL STD Ø1>8 mm / MADERA 3 PUNTAS STD Ø 3>8 mm / HORMIGÓN STD Ø 4>8 mm / Puntas / Accesorios

VAL. P65 MISTO

51901170031

3221910360245

QTY	PCB	€
65	1	19,49

Punte METALLO STD Ø 1>8 mm / Punte LEGNO 3 PUNTE STD Ø 3>8 mm / Punte CEMENTO STD Ø 4>8 mm / Inserti / Accessori

P84 MIXED SET

84 PCS

CYL

TIN STD METAL bit / BRAD POINT STD bit / MASONRY STD bit / METAL HEXA bit / Screwbits / Holesaws / Accessories

MAL. P84 MIXTA

Brocas METAL TIN STD / MADERA 3 PUNTAS STD / HORMIGÓN STD /Brocas METAL HEXA / Puntas / Sierra Corona / Accesorios

VAL. P84 MISTO

51901170033

3221910556365

QTY	PCB	€
84	1	39,78

Punte METALLO TIN STD / Punte LEGNO 3 PUNTE STD / Punte CEMENTO STD / Punte METALLO Esag. / Inserti / Sega a tazza / Accessori

P100 MIXED SET

TIN STD METAL bit / BRAD POINT STD bit / MASONRY STD bit / FLAT WOOD bit / Screwbits / Holesaws / Accessories

MAL. P100 MIXTA

Brocas METAL TIN STD / MADERA 3 PUNTAS / MADERA PLANA / HORMIGÓN STD / Puntas / Sierra Corona / Accesorios

VAL. P100 MISTO

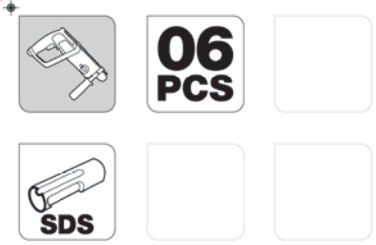
51901170032

3221910555887

QTY	PCB	€
100	1	49,52

Punte METALLO TIN STD / Punte LEGNO 3 PUNTE STD / Punte LEGNO PIATTA / Punte CEMENTO STD / Inserti / Sega a tazza / Accessori

P106 SDS+ SET



SDS+ Bits Single Flute : L110 ø 5-6/ L160 ø 8-10-12 / SDS+ Bit holder

MAL. P106 SDS+

Broca SDS+ canal simple: L110 ø 5-6/ L160 ø 8-10-12 / Accesorios

VAL. P106 SDS+

51901170106

3221910212957

QTY	PCB	€
6	5	23,56

Punte SDS+ unica gola di scarico : L110 ø 5-6/ L160 ø 8-10-12 / Accessori

P122 MIXED SET

METAL STD bit Ø 3>8 mm / MASONRY STD bit Ø 4>8 mm / BRAD POINT STD bit Ø 4>6 mm / Screwbits / Accessories

MAL. P122 MIXTA

Brocas METAL STD Ø 3>8 mm / Brocas HORMIGÓN PRO Ø 4>8 mm / Brocas MADERA 3 PUNTAS Ø 4>6 mm / Puntas / Accesorios

VAL. P122 MISTO

51901170122

3221910212971

QTY	PCB	€
22	5	15,78

Punte METALLO STD Ø 3>8 mm / Punte CEMENTO STD Ø 4>8 mm / Punte LEGNO 3 PUNTE STD Ø 4>6 mm / Inserti / Accessori

TRICAB SET

METAL STD bit Ø 4>8 mm / MASONRY STD bit Ø 4>8 mm / BRAD POINT STD bit Ø 4>6 mm

EST. TRICAB

Brocas METAL STD Ø 4>8 mm / Brocas HORMIGÓN STD Ø 4>8 mm / Brocas MADERA 3 PUNTAS Ø 4>8 mm

COF. TRICAB

51900470007

3221910018153

QTY	PCB	€
9	1	13,13

Punte METALLO STD Ø 4>8 mm / Punte CEMENTO STD Ø 4>8 mm / Punte LEGNO 3 PUNTE STD Ø 4>8 mm

BICAB SET

09 PCS

CYL

METAL STD bit Ø 3>8 mm / MASONRY STD bit Ø 4>8 mm

EST. BICAB

Brocas METAL STD Ø 3>8 mm / Brocas HORMIGÓN STD Ø 4>8 mm

COF. BICAB

51900470008

3221910018160

QTY	PCB	€
9	1	11,87

Punte METALLO STD Ø 3>8 mm / Punte CEMENTO STD Ø 4>8 mm

MINIMIX SET

24 PCS

CYL

METAL STD bit Ø 2>8 mm / MASONRY STD bit Ø 4>8 mm / BRAD POINT STD bit Ø 3>8 mm / Screwbits / Accessories

EST. MINIMIX

Brocas METAL STD Ø 2>8 mm / HORMIGÓN PRO Ø 4>8 mm / MADERA 3 PUNTAS Ø 3>8 mm / Puntas / Accesorios

COF. MINIMIX

51900470016

3221910035013

QTY	PCB	€
24	1	26,82

Punte METALLO STD Ø 2>8 mm / Punte CEMENTO STD Ø 4>8 mm / Punte LEGNO 3 PUNTE STD Ø 3>8 mm / Inserti / Accessori

3 SETS MIXED

16 PCS

CYL

METAL STD Set Ø 2>8 mm / MASONRY STD Set Ø 4>10 mm / BRAD POINT STD Set Ø 4>10 mm

3 EST. MIXTA

Est. METAL STD Ø 2>8 mm / Est. HORMIGÓN PRO Ø 4>10 mm / Est. MADERA 3 PUNTAS Ø 4>10 mm

3 COF. MISTO

91901170001

3221910520441

QTY	PCB	€
16	1	14,43

Cof. METALLO STD Ø 2>8 mm / Cof. CEMENTO STD Ø 4>10 mm / Cof. LEGNO 3 PUNTE STD Ø 4>10 mm

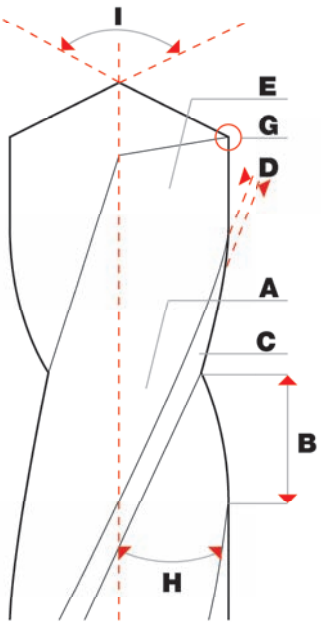
GENE-
RAL
CATALOGUE

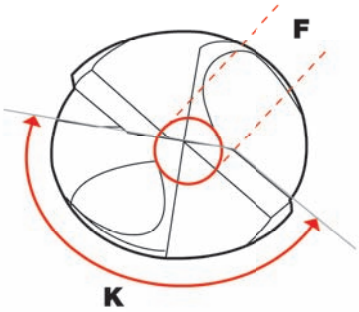
TECHNICAL INFORMATION
INFORMACIÓN TÉCNICA
INFORMAZIONI TECNICHE

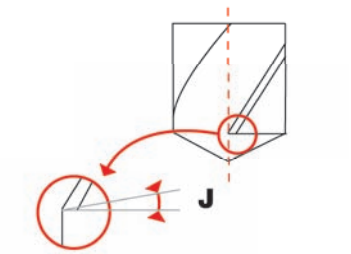
#20

# #
TECHNICAL INFORMATION
INFORMACIÓN TÉCNICA
INFORMAZIONI TECNICHE

INFORMATIONS TECHNIQUES. TECHNISCHE GEGEVENS. TECHNISCHE DATEN. TECHNICAL INFORMATION. INFORMACIONS TECNICAS. INFORMAZIONI TECNICHE.		
N	$\frac{Vc \times 100}{ø \times \pi}$	Vitesse de rotation. Rotatie-snelheid. Drehzahl. Revolution per minute. Velocidad de giro. Velocita' di rotazione.
Vc	$\frac{ø \times \pi \times N}{1000}$	Vitesse de coupe. Snij-snelheid. Schnittgeschwindigkeit. Cutting speed. Velocidad de corte. Velocita' di taglio.
Fz	$\frac{Vf}{Z \times N}$	Avance par dent. Vooruitgang per tand. Vorschub pro Zahn. Fed per tooth. Avance por diente. Avanzamento per dente.
F	$Fz \times Z$	Avance par tour. Vooruitang per toer. Vorschub pro Umdrehung. Feed per revolution. Avance por vuelta. Avanzamento per giro.
Vf	$Fz \times Z \times N$	Vitesse d'avance. Vooruitgangssnelheid. Vorschubgeschwindigkeit. Feed speed. Velocidad de avance. Velocita' d'avanzamento.







A. Goujure. Spaangroef. Spannut. Flute. Canal. Scanaluta.

B. Lèvres. Rand. Steg. Lip. Labio.Dorso.

C. Listel. Afschuining. Fase. Margin. Faja guia. Bordino cinlindrico.

D. Largeur de listel. Afschuiningsbreedte. Fasenbreite. Margin Width. Ancho de la faja guia. Larghezza dal bordino cilindrico.

E. Dégagement. Afvoer. Rücken. Relief. Superficie destalonada. Scarico.

F. Ame. Kern. Kern. Web. Nucleo. Nucleo.

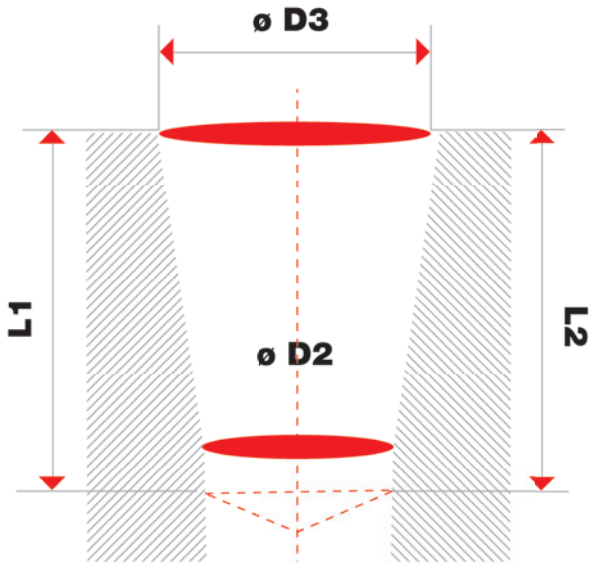
G. Bec. Snijhoek. Schneidenecke. Corner. Punta externa. Punta Externa.

H. Angle d'hélice. Aanslijpingshoek. Drallwinkel. Helix Angle. Angulo de la helice. Angolo dell'elica.

I. Angle au sommet. Hoek van de punt. Spitzenwinkel. Point Angle. Angulo de la punta. Angolo tra i tagliente principale.

J. Angle de dépouille de l'arête principale. Vrijloophoek. Hinterschneidungswinkel der hauptschneide. Lip relief angle. Angulo de incidencia de la artista principal. Angolo di spoglia del taglientte principale.

K. Angle de l'arête centrale. Hoek van de centrale kam. Querschneidenwinkel. Chisel edget angle. Angulo del filo transversal. Angolo del tagliente centrale.



CUTTING CONDITIONS
TAPPING

RC (Conical)

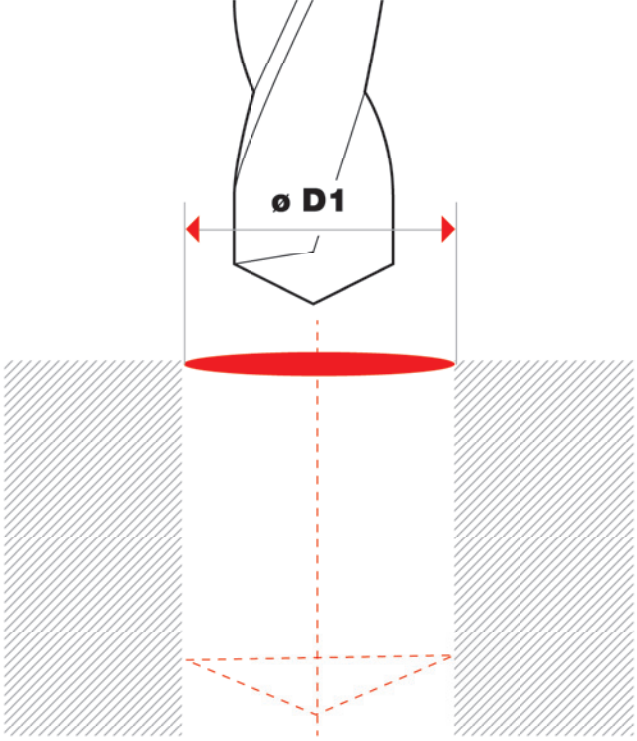
ø	P	D3	D3	L1 MMIN.
RC 1/16	28	**6**	6,5	10,1
RC 1/8	28	**8**	8,5	10,1
RC 1/4	19	**10,7**	11,35	15
RC 3/8	19	**14,15**	14,85	15,4
RC 1/2	14	**17,6**	18,5	20,5
RC 3/4	14	**23**	24	21,8
RC 1	11	**29**	30,2	26
RC 1,1/4	11	**37,5**	38,8	28,3
RC 1,1/2	11	**43,35**	44,7	28,3
RC 2	11	**54,9**	56,5	32,7

NPT (Conical)

ø	P	D3	D3	L1 MMIN.
NPT 1/16	27	**6**	6,41	12
NPT 1/8	27	**8,3**	8,76	12
NPT 1/4	18	**10,7**	11,4	17,5
NPT 3/8	18	**14,2**	14,84	17,6
NPT 1/2	14	**17,4**	18,33	22,8
NPT 3/4	14	**22,8**	23,68	23
NPT 1	11,5	**28,6**	29,72	27,4
NPT 1,1/4	11,5	**37,4**	38,48	28,1
NPT 1,1/2	11,5	**43,4**	44,55	28,4
NPT 2	11,5	**55,5**	56,59	28

NPTF (Conical)

ø	P	D3	D3	L1 MMIN.
NPTF 1/16	27	**6**	6,41	12
NPTF 1/8	27	**8,3**	8,76	12
NPTF 1/4	18	**10,7**	11,4	17,5
NPTF 3/8	18	**14,2**	14,84	17,6
NPTF 1/2	14	**17,4**	18,33	22,8
NPTF 3/4	14	**22,8**	23,68	23
NPTF 1	11,5	**28,6**	29,72	27,4
NPTF 1,1/4	11,5	**37,4**	38,48	28,1
NPTF 1,1/2	11,5	**43,4**	44,55	28,4
NPTF 2	11,5	**55,5**	56,59	28



CUTTING CONDITIONS
TAPPING

M

ø	P	PRE-HOLE (ISO)
M 1	0,25	**0,75**
M 1,1	0,25	**0,85**
M 1,2	0,25	**0,95**
M 1,4	0,3	**1,1**
M 1,6	0,35	**1,25**
M 1,7	0,35	**-**
M 1,8	0,35	**1,45**
M 2	0,4	**1,6**
M 2,2	0,45	**1,75**
M 2,3	0,4	**-**
M 2,5	45	**2,05**
M 2,6	0,45	**-**
M 3	0,5	**2,5**
M 3,5	0,6	**2,9**
M 4	0,7	**3,3**
M 4,5	0,75	**3,7**
M 5	0,8	**4,2**
M 5,5	0,9	**-**
M 6	1	**5**
M 7	1	**6**
M 8	1,25	**6,8**
M 9	1,25	**7,8**
M 10	1,5	**8,5**
M 11	1,5	**9,5**
M 12	1,75	**10,2**
M 14	2	**12**
M 16	2	**14**
M 18	2,5	**15,5**
M 20	2,5	**17,5**
M 22	2,5	**19,5**
M 24	3	**21**
M 27	3	**24**
M 30	3,5	**26,5**
M 33	3,5	**29,5**
M 36	4	**32**
M 39	4	**35**
M 42	4,5	**37,5**
M 45	4,5	**40,5**
M 48	5	**43**
M 52	5	**47**
M 56	5,5	**50,5**
M 60	5,5	**24,5**
M 64	6	**58**
M 68	6	**62**

MF

ø	P	PRE-HOLE (ISO)
MF 2	0,25	**1,75**
MF 2,2	0,25	**1,95**
MF 2,25	0,25	**2**
MF 3	0,35	**2,65**
MF 3,5	0,35	**3,15**
MF 4	0,5	**3,5**
MF 4,5	0,5	**4**
MF 5	0,5	**4,5**
MF 6	0,5	**5,5**
MF 6	0,75	**5,2**
MF 8	0,75	**7,2**
MF 10	0,75	**9,2**
MF 8	1	**7**
MF 10	1	**9**
MF 12	1	**11**
MF 16	1	**15**
MF 20	1	**19**
MF 10	1,25	**8,8**
MF 14	1,25	**12,8**
MF 12	1,5	**10,5**
MF 16	1,5	**14,5**
MF 20	1,5	**18,5**
MF 24	1,5	**22,5**
MF 36	1,5	**34,5**
MF 48	1,5	**46,5**
MF 56	1,5	**54,5**
MF 20	2	**18**
MF 30	2	**28**
MF 42	2	**40**
MF 56	2	**54**
MF 36	3	**33**
MF 48	3	**45**
MF 56	3	**53**
MF 64	3	**61**
MF 48	4	**44**
MF 56	4	**52**
MF 64	4	**60**
MF 72	4	**68**
MF 80	6	**74**
MF 95	6	**89**
MF 110	6	**104**

BSW

ø	P	PRE-HOLE (ISO)
BSW (1/16)	60	**1,15**
BSW (3/32)	48	**1,85**
BSW (1/8)	40	**2,55**
BSW (5/32)	32	**3,2**
BSW (3/16)	24	**3,7**
BSW (7/32)	24	**4,5**
BSW 1/4	20	**5,1**
BSW 5/16	18	**6,5**
BSW 3/8	16	**7,9**
BSW 7/16	14	**9,25**
BSW 1/2	12	**10,5**
BSW 9/16	12	**12**
BSW 5/8	11	**13,5**
BSW 3/4	10	**16,5**
BSW 7/8	9	**19,25**
BSW 1"	8	**22**
BSW 1,1/8	7	**24,75**
BSW 1,1/4	7	**27,75**
BSW 1,3/8	6	**30,5**
BSW 1,1/2	6	**33,5**
BSW 1,5/8	5	**35,5**
BSW 1,374	5	**39**
BSW 1,7/8	4,1/2	**41,5**
BSW 2"	4,1/2	**44,5**
BSW 2,1/4	4	**50**
BSW 2,1/2	4	**56,5**
BSW 2,3/4	3,1/2	**62**
BSW 3"	2,1/2	**68**

BSF

ø	P	PRE-HOLE (ISO)
BSF 3/16	32	**4**
BSF 7/32	28	**4,6**
BSF 1,4	26	**5,3**
BSF 9/32	26	**60,1**
BSF 5716	22	**6,8**
BSF 3/8	20	**8,3**
BSF 7/16	18	**9,7**
BSF 1/2	16	**11,1**
BSF 9716	16	**12,7**
BSF 5/8	14	**14**
BSF 11/16	14	**15,5**
BSF 3/4	12	**16,75**
BSF (13/16)	12	**18,5**
BSF 7/8	11	**19,75**
BSF 1"	10	**22,75**
BSF 1,1/8	9	**25,5**
BSF 1,3/8	8	**31,5**
BSF 1,1/2	8	**34,8**
BSF 1,5/8	8	**38**
BSF 1,3/4	7	**40,5**
BSF 2"	7	**47**
BSF 2,1/4	6	**52,5**
BSF 2,1/2	6	**50**
BSF 2,3/4	6	**65,4**
BSF 3"	5	**70,5**

BSPG

ø	P	PRE-HOLE (ISO)
BSPG 1/8	28	**8,8**
BSPG 1/4	19	**11,8**
BSPG 3/8	19	**15,25**
BSPG 1/2	14	**19**
BSPG 5/8	14	**21**
BSPG 3/4	14	**24,5**
BSPG 7/8	14	**28,25**
BSPG 1"	11	**30,75**
BSPG 1,1/8	11	**35,5**
BSPG 1,1/4	11	**39,5**
BSPG (1,3/8)	11	**42**
BSPG 1,1/2	11	**45,5**
BSPG (1,5/8)	11	**49,6**
BSPG 1,3/4	11	**51,4**
BSPG 2"	11	**57,2**
BSPG 2,1/4	11	**63,3**
BSPG (2,3/8)	11	**67**
BSPG (2,1/2)	11	**72,8**
BSPG 2,3/4	11	**79,1**
BSPG 3"	11	**85,5**
BSPG 3,1/4	11	**91,5**
BSPG 3,1/2	11	**98**
BSPG 3,3/4	11	**104**
BSPG 4"	11	**110,5**

UNC

ø	P	PRE-HOLE (ISO)
UNC 1	64	**1,5**
UNC 2	56	**1,8**
UNC 3	48	**2,1**
UNC 4	40	**2,3**
UNC 5	40	**2,6**
UNC 6	32	**2,85**
UNC 8	32	**3,5**
UNC 10	24	**3,9**
UNC 12	24	**4,5**
UNC 1/4	20	**5,2**
UNC 5/16	18	**6,6**
UNC 3/8	16	**8**
UNC 7/16	14	**9,4**
UNC 1/2	13	**10,75**
UNC 9/16	12	**12,26**
UNC 5/8	11	**13,5**
UNC 3/4	10	**16,5**
UNC 7/8	9	**19,5**
UNC 1"	8	**22,25**
UNC 1,1/8	7	**25**
UNC 1,1/4	7	**28,25**
UNC 1,3/8	6	**30,75**
UNC 1,1/2	6	**34**
UNC 1,3/4	5	**39,5**
UNC 2"	4,1/2	**45**
UNC 2,1/4	4,1/2	**51,5**
UNC 2,1/2	4	**57,5**
UNC 2,3/4	4	**63,5**
UNC 3"	4	**70**

UNF

ø	P	PRE-HOLE (ISO)
UNF 0	80	**1,25**
UNF 1	72	**1,55**
UNF 2	64	**1,85**
UNF 3	56	**2,1**
UNF 4	48	**2,4**
UNF 5	44	**2,75**
UNF 6	40	**3**
UNF 8	36	**3,5**
UNF 10	32	**4,1**
UNF 12	28	**4,65**
UNF 1/4	28	**5,5**
UNF 5/16	24	**6,9**
UNF 3/8	20	**8,5**
UNF 7/16	20	**9,9**
UNF 1/2	20	**11,5**
UNF 9/16	18	**12,9**
UNF 5/8	18	**14,5**
UNF 3/4	16	**17,5**
UNF 7/8	14	**20,5**
UNF 1"	12	**23,25**
UNF 1,1/8	12	**26,5**
UNF 1,1/4	12	**29,75**
UNF 1,3/8	12	**32,75**
UNF 1,1/2	12	**36**

PG

ø	-	PRE-HOLE (ISO)
PG 7	-	**11,4**
PG 9	-	**14**
PG 11	-	**17,25**
PG 13,5	-	**19**
PG 16	-	**21,25**
PG 21	-	**26,75**
PG 29	-	**35,5**
PG 36	-	**45,5**
PG 42	-	**62,6**
PG 48	-	**57,7**

RC

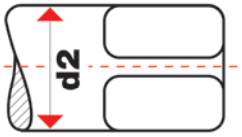
ø	P	PRE-HOLE (ISO)	L1 MMIN.
RC 1/16	28	**6,3**	10,1
RC 1/8	28	**8,3**	10,1
RC 1/4	19	**11**	15
RC 3/8	19	**14,5**	15,4
RC 1/2	14	**18,1**	20,5
RC 3/4	14	**23,5**	21,8
RC 1	11	**29,6**	26
RC 1,1/4	11	**38,1**	28,3
RC 1,1/2	11	**44**	28,3
RC 2	11	**55,6**	32,7

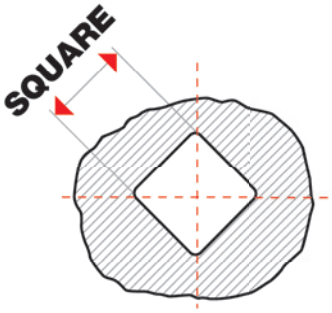
NPT

ø	P	PRE-HOLE (ISO)	L1 MMIN.
NPT 1/16	27	**6,2**	12
NPT 1/8	27	**8,5**	12
NPT 1/4	18	**11**	17,5
NPT 3/8	18	**14,5**	17,6
NPT 1/2	14	**17,8**	22,8
NPT 3/4	14	**23**	23
NPT 1	11,5	**29**	27,4
NPT 1,1/4	11,5	**37,5**	28,1
NPT 1,1/2	11,5	**44**	28,4
NPT 2	11,5	**56**	28

NPTF

ø	P	PRE-HOLE (ISO)	L1 MMIN.
NPTF 1/16	27	**6,2**	12
NPTF 1/8	27	**8,5**	12
NPTF 1/4	18	**11**	17,5
NPTF 3/8	18	**14,5**	17,6
NPTF 1/2	14	**17,8**	22,8
NPTF 3/4	14	**23**	23
NPTF 1	11,5	**29**	27,4
NPTF 1,1/4	11,5	**37,5**	28,1
NPTF 1,1/2	11,5	**44**	28,4
NPTF 2	11,5	**56**	28





CUTTING CONDITIONS
TAPPING

SQUARE ISO 529

ø	P	d2	SQUARE
M2	0,4	2,5	**2**
M2,5	0,45	2,8	**2,24**
M3	0,5	3,15	**2,5**
M3,5	0,6	3,55	**2,8**
M4	0,7	4	**3,15**
M4	0,75	4	**3,15**
M5	0,8	5	**4**
M5	0,9	5	**4**
M6	1	6,3	**5**
M7	1	7,1	**5,6**
M8	1,25	8	**6,3**
M9	1,25	8	**6,3**
M10	1,5	10	**8**
M11	1,5	8	**6,3**
M12	1,75	9	**7,1**
M14	2	11,2	**9**
M16	2	12,5	**10**
M18	2,5	14	**11,2**
M20	2,5	14	**11,2**
M22	2,5	16	**12,5**
M24	3	18	**14**
M27	3	20	**16**
M30	3,5	20	**16**
MF3	0,6	3,15	**2,5**
MF8	1	8	**6,3**
MF9	1	9	**7,1**
MF10	1	10	**8**
MF10	1,25	10	**8**
MF12	1	9	**7,1**
MF12	1,25	9	**7,1**
MF12	1,5	9	**7,1**
MF14	1,25	11,2	**9**
MF14	1,5	11,2	**9**
MF16	1,5	12,5	**10**
MF18	1,5	14	**11,2**
MF20	1,5	14	**11,2**
MF22	1,5	16	**12,5**
MF24	1,5	18	**14**

SQUARE DIN 352

ø	P	d2	SQUARE
M2	0,4	2,8	**2,1**
M2,5	0,45	2,8	**2,1**
M3	0,5	3,5	**2,7**
M3,5	0,6	4	**3**
M4	0,7	4,5	**3,4**
M4,5	0,75	6	**4,9**
M5	0,8	6	**4,9**
M6	1	6	**4,9**
M7	1	6	**4,9**
M8	1,25	6	**4,9**
M9	1,25	6	**4,9**
M10	1,5	7	**5,5**
M11	1,5	8	**6,2**
M12	1,75	9	**7**
M14	2	11	**9**
M16	2	12	**9**
M18	2,5	14	**11**
M20	2,5	16	**12**
M22	2,5	18	**14,5**
M24	3	18	**14,5**
M27	3	20	**16**
M30	3,5	22	**18**
M33	3,5	25	**20**
M36	4	28	**22**
M39	4	32	**24**
M42	4,5	32	**24**
M45	4,5	36	**29**
M52	5	40	**32**

SQUARE DIN 352 UNC

ø	P	d2	SQUARE
N°2	56	2,8	**2,1**
N°3	48	3,5	**2,7**
N°4	40	3,5	**2,7**
N°5	40	3,5	**2,7**
N°6	32	4	**3**
N°8	32	4	**3**
N°10	24	6	**4,9**
N°12	24	6	**4,9**
1/4	20	6	**4,9**
5/16	18	6	**4,9**
3/8	16	7	**5,5**
7/16	14	8	**6,2**
1/2	13	9	**7**
9/16	12	11	**9**
5/8	11	12	**9**
3/4	10	14	**11**
7/8	9	18	**14,5**
1"	8	20	**16**

SQUARE DIN 352 BSW

ø	P	d2	SQUARE
1/8	40	3,5	**2,7**
5/32	32	4,5	**3,4**
3/16	24	6	**4,9**
7/32	24	6	**4,9**
1/4	20	6	**4,9**
5/16	18	6	**4,9**
3/8	16	7	**5,5**
7/16	14	8	**6,2**
1/2	12	9	**7**
9/16	12	9	**7**
5/18	0	0	**-**
3/4	10	14	**11**
7/8	9	18	**14,5**
1"	8	20	**16**
1"1/4	7	25	**20**

SQUARE DIN 374 / 376 M & MF

ø	P	d2	SQUARE
M3	0,5	2,7	**2,2**
M4	0,7	2,8	**2,1**
M5	0,8	3,5	**2,7**
M6	1	4,5	**3,4**
M8	1,25	6	**4,9**
M10	1,5	7	**5,5**
M12	1,75	9	**7**
M14	2	11	**9**
M16	2	12	**9**
M18	2,5	14	**11**
M20	2,5	16	**12**
M22	2,5	18	**14,5**
M24	3	18	**14,5**
M27	3	20	**16**
M30	3,5	22	**18**
M33	3,5	25	**20**
M36	4	28	**22**
M42	4,5	32	**24**
M48	5	36	**29**
MF8	1	6	**4,9**
MF10	1	7	**5,5**
MF10	1,25	7	**5,5**
MF11	1,25	7	**5,5+7**
MF12	1	9	**7**
MF12	1,25	9	**7**
MF12	1,5	9	**9**
MF14	1	11	**9**
MF14	1,25	11	**9**
MF14	1,5	11	**9**
MF15	1,5	11	**9**
MF16	1	12	**9**
MF16	1,25	12	**9**
MF18	1	14	**11**
MF18	1,5	14	**11**
MF18	2	14	**11**
MF20	1	16	**12**
MF20	1,5	16	**12**
MF20	2	16	**12**
MF22	1,5	18	**14,5**
MF22	2	18	**14,5**
MF24	1,5	18	**14,5**
MF24	2	18	**14,5**
MF25	1,5	18	**14,5**
MF26	1,5	18	**14,5**
MF27	1,5	18	**14,5**
MF28	1,5	20	**16**
MF30	1,5	22	**18**
MF30	2	22	**18**
MF32	1,5	22	**18**
MF36	1,5	28	**22**
MF36	2	28	**22**
MF36	3	28	**22**

SQUARE DIN 371 M & MF

ø	P	d2	SQUARE
M2	0,4	2,8	**2,1**
M2,5	0,45	2,8	**2,1**
M3	0,5	3,5	**2,7**
M3,5	0,6	4	**3**
M4	0,7	4,5	**3,4**
M5	0,8	6	**4,9**
M6	1	6	**4,9**
M7	1	6	**5,5**
M8	1,25	8	**6,2**
M10	1,5	10	**8**
MF8	1	8	**6,2**
MF10	1	10	**8**

SQUARE NFE 66112

ø	P	d2	SQUARE
M3	0,5	2,1	**1,6**
M4	0,7	2,9	**2,3**
M5	0,8	3,7	**3**
M6	1	4,5	**3,5**
M8	1,25	6,2	**5**
M10	1,5	7,6	**6**
M12	1,75	9	**7**
M14	2	10,5	**8**
M16	2	12,5	**10**

SQUARE DIN 2181

ø	P	d2	SQUARE
MF4	0,5	6	**4,9**
MF5	0,5	6	**4,9**
MF5	0,75	6	**4,9**
MF6	0,75	6	**4,9**
MF7	0,75	6	**4,9**
MF8	0,75	6	**4,9**
MF8	1	6	**4,9**
MF9	1	7	**5,5**
MF10	1	7	**5,5**
MF10	1,25	7	**5,5**
MF11	1	8	**6,2**
MF11	1,25	8	**6,2**
MF12	1	9	**7**
MF12	1,25	9	**7**
MF12	1,5	9	**7**
MF13	1,25	11	**9**
MF14	1	11	**9**
MF14	1,25	11	**9**
MF14	1,5	11	**9**
MF15	1,5	12	**9**
MF16	1	12	**9**
MF16	1,25	12	**9**
MF16	1,5	12	**9**
MF18	1	14	**11**
MF18	1,25	14	**11**
MF18	1,5	14	**11**
MF18	2	14	**11**
MF20	1	16	**12**
MF20	1,5	16	**12**
MF20	2	16	**12**
MF22	1,5	18	**14,5**
MF22	2	18	**14,5**
MF24	1	18	**14,5**
MF24	1,5	18	**14,5**
MF24	2	18	**14,5**
MF26	1,5	20	**16**
MF26	2	18	**14,5**
MF27	1,5	20	**16**
MF27	2	18	**14,5**
MF30	1,5	22	**18**
MF30	2	22	**18**
MF33	2	25	**20**

SQUARE DIN 66101

ø	P	d2	SQUARE
M3	0,5	2,3	**2,3**
M4	0,7	2,9	**2,9**
M5	0,8	3,8	**3,8**
M6	1	4,5	**4,5**
M7	1	5,5	**5,5**
M8	1,25	6,1	**6,1**
M10	1,5	7,7	**7,7**
M12	1,75	9,3	**9,3**
M14	2	10,9	**10,9**
M16	2	12,9	**12,9**
M18	2,5	14,1	**14,1**
M20	2,5	16,1	**16,1**
M22	2,5	18	**18**
M24	3	19,3	**19,3**
MF6	0,75	4,5	**4,5**
MF8	1	6,1	**6,1**
MF10	1	7,7	**7,7**
MF12	1,25	10,1	**10,1**
MF12	1,5	9,6	**9,6**
MF14	1,5	11,8	**11,8**
MF20	1,5	17,8	**17,8**
MF22	1,5	19,8	**19,8**
MF24	1,5	21,8	**21,8**

SQUARE DIN 2181 UNF

ø	P	d2	SQUARE
N°3	56	3,5	**2,7**
N°4	48	3,5	**2,7**
N°5	44	3,5	**2,7**
N°6	40	4	**3**
N°8	36	4	**3**
N°10	32	6	**4,9**
N°12	28	6	**4,9**
1/4	28	6	**4,9**
5/16	24	6	**4,9**
3/8	24	7	**5,5**
7/16	20	8	**6,2**
1/2	20	9	**7**
9/16	18	12	**9**
5/8	18	12	**9**
3/4	16	14	**11**
7/8	14	18	**14,5**
1"	12	20	**16**

SQUARE DIN 2181 BSF

ø	P	d2	SQUARE
1/4	26	6	
3/8	20	7	**5,5**
7/16	18	8	**6,2**
1/2	16	9	**7**
9/16	16	11	**9**
7/8	19,5	14,5	-
1"	10	20	**16**

SQUARE DIN 5156 BSPG

ø	P	d2	SQUARE
G1/8	28	7	**5,5**
G1/4	19	11	**9**
G3/8	19	12	**9**
G1/2	14	16	**12**
G7/8	14	18	**14,5**
G3/4	14	18	**16**
G1"	14	20	**20**
G1"1/4	11	25	**20**
G1"1/2	11	36	**29**

SQUARE sin DIN 5156 NPT

ø	P	d2	SQUARE
T 1/16	27	6	**4,9**
T 1/8	27	8	**6,2**
T 1/4	18	11	**9**
T 3/8	18	14	**11**
T 1/2	14	18	**14,5**
T 3/4	14	22	**18**
T 1"	11,5	25	**20**
T 1"1/4	11,5	32	**24**

SQUARE sin DIN 5156 RC

ø	P	d2	SQUARE
Rc 1/8	27	8	**6,2**
Rc 1/4	18	11	**9**
Rc 3/8	18	14	**11**
Rc 1/2	14	18	**14,5**
Rc 5/8	14	22	**18**
Rc 3/4	11,5	25	**20**

SQUARE sin DIN 40433 Pg

ø	P	d2	SQUARE
PG 16	18	18	**14,5**
PG 21	16	20	**16**
PG 29	16	28	**22**

Conditions de Coupe. Werkomstandigheden. Schnittbedingungen. Cutting conditions. Condiciones de corte. Condizioni d'impiego

Forets. Spiraalboren. Spiralbohrer. Drills. Brocas. Punte.

Vc (M/min)
f (mm/tr)

		HSS to HSCo						CARBIDE											
								Standard						Hight performance					
		Vc	f:	Ø2	Ø5	Ø10	Ø15	**Vc**	f:	Ø2	Ø5	Ø10	Ø15	**Vc**	f:	Ø2	Ø5	Ø10	Ø15
A	Aciers non alliés / faiblement alliés Niet-of licht gelegeerd Staal Unligierte oder schwachlegierte unalloyed & low alloyed steels Aceros de construccion o aceros poco aleados Acciai non legati o poco legati **<400N/mm²**	**32**	f:	0,06	0,12	0,3	0,4	**100**	f:	0,03	0,05	0,08	0,12	**140**	f:	0,07	0,13	0,25	0,4
B	Acier pour traitement thermique Staal voor thermische behandeling Vergütungsstäle Heat Treatable Steels Aceros aleados y tratados Acciai per trattamento termico **< 700 N/mm²**	**28**	f:	0,06	0,12	0,3	0,4	**100**	f:	0,03	0,04	0,07	0,1	**140**	f:	0,06	0,12	0,25	0,4
C	Acier pour traitement thermique Staal voor thermische behandeling Vergütungsstäle Heat Treatable Steels Aceros aleados y tratados Acciai per trattamento termico **< 950 N/mm²**	**20**	f:	0,03	0,07	0,18	0,24	**80**	f:	0,02	0,03	0,06	0,08	**120**	f:	0,06	0,12	0,25	0,4
D	Acier pour traitement thermique Staal voor thermische behandeling Vergütungsstäle Heat Treatable Steels Aceros aleados y tratados Acciai per trattamento termico **< 1200 N/mm²**	**16**	f:	0,04	0,09	0,18	0,28	**60**	f:	0,02	0,03	0,06	0,08	**100**	f:	0,06	0,12	0,25	0,4
E	Acier pour traitement thermique Staal voor thermische behandeling Vergütungsstäle Heat Treatable Steels Aceros aleados y tratados Acciai per trattamento termico **< 1400 N/mm²**	**NC**	f:	-	-	-	-	**-**	f:	-	-	-	-	**-**	f:	-	-	-	-
F	Aciers inoxydables, ferritiques Roestvrij ferriestaal Rostfreies Stähle, ferritisch Stainless Steels, Ferritic Aceros inoxidables, ferriticos Acciai inossidabili, ferritici	**16**	f:	0,04	0,09	0,21	0,28	**60**	f:	0,01	0,05	0,08	0,1	**70**	f:	0,04	0,08	0,15	0,25
G	Aciers inoxydables, Martensitiques Roestvrij Martensietstaal Rostfreies Stähle, Martensitisch Stainless Steels, Martensitic Aceros inoxidables, Martensiticos Acciai inossidabili, Martensitici	**14**	f:	0,03	0,07	0,18	0,28	**60**	f:	0,01	0,05	0,08	0,1	**60**	f:	0,03	0,06	0,13	0,2
H	Aciers inoxydables, Martensitiques Roestvrij Martensietstaal Rostfreies Stähle, Martensitisch Stainless Steels, Martensitic Aceros inoxidables, Martensiticos Acciai inossidabili, Martensitici	**12**	f:	0,04	0,09	0,21	0,28	**40**	f:	0,01	0,05	0,08	0,1	**60**	f:	0,03	0,06	0,13	0,2
I	Fontes grises Graw gietijzer Grauguss Cast Iron Fundicion gris Ghisa grigia	**30**	f:	0,06	0,12	0,3	0,4	**80**	f:	0,01	0,05	0,08	0,1	**100**	f:	0,08	0,16	0,24	0,3

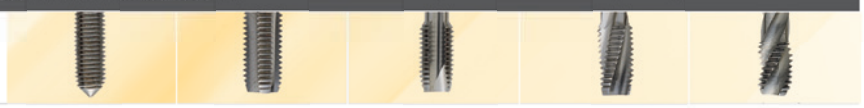
Conditions de Coupe. Werkomstandigheden. Schnittbedingungen. Cutting conditions. Condiciones de corte. Condizioni d'impiego

Forets. Spiraalboren. Spiralbohrer. Drills. Brocas. Punte.

Vc (M/min) *f (mm/tr)*		HSS to HSCo						CARBIDE											
								Standard						Hight performance					
		Vc	f:	Ø2	Ø5	Ø10	Ø15	**Vc**	f:	Ø2	Ø5	Ø10	Ø15	**Vc**	f:	Ø2	Ø5	Ø10	Ø15
J	Fontes GS Gietijzer SG SG Guss SG Iron Fundicion gris con grafito laminar Ghisa a Grafite Sferoidale	**16**	f:	0,04	0,09	0,21	0,28	**50**	f:	0,01	0,05	0,08	0,1	**90**	f:	0,04	0,08	0,16	0,25
K	Alliages d'aluminium gras Zuivere aluminiumlegeringen Reinaluminium Aluminium Forgings Aleaciones de aluminio Laminato (Al)	**80**	f:	0,05	0,1	0,24	0,32	**150**	f:	0,03	0,08	0,13	0,16	**400**	f:	0,03	0,06	0,14	0,24
L	Alliages d'aluminium Aluminiumleggeringen Aluminium-legierungen Cast Aluminium Aleaciones de aluminio Stampate Al **Si < 10%**	**60**	f:	0,04	0,09	0,21	0,28	**150**	f:	0,03	0,08	0,13	0,16	**350**	f:	0,02	0,05	0,12	0,2
M	Alliages d'aluminium Aluminiumleggeringen Aluminium-legierungen Cast Aluminium Aleaciones de aluminio Stampate Al **Si > 10%**	**40**	f:	0,04	0,09	0,21	0,28	**80**	f:	0,01	0,06	0,09	0,12	**300**	f:	0,02	0,05	0,12	0,2
N	Laiton Messing Messing Brass Laton Ottone	**60**	f:	0,05	0,1	0,24	0,32	**100**	f:	0,03	0,06	0,1	0,15	**nc**	f:	nc	nc	nc	nc
O	Bronze Brons Bronze Bronze Bronce Bronzo	**60**	f:	0,04	0,09	0,21	0,28	**100**	f:	0,02	0,05	0,09	0,12	**nc**	f:	nc	nc	nc	nc
ARCO/ AR Ni	Aciers réfractaires base Co Ni Hittebestendige legerinen op basis van Co Ni Hitzebeständige Legierungen, Co Ni base Special Alloys based Co Ni Aleaciones refractarias, base Co Ni Leghe refrattarie, Co Ni base	**10**	f:	0,02	0,04	0,1	0,17	**20**	f:	0,01	0,03	0,05	0,08	**30**	f:	0,02	0,05	0,1	0,16
Ti	Alliages de Titane Titaanlegeringen Titaniegierungen Titan alloys Aleaciones de titanio Titanio	**10**	f:	0,02	0,04	0,1	0,17	**20**	f:	0,01	0,03	0,05	0,08	**30**	f:	0,02	0,05	0,1	0,16

Conditions de Coupe. Werkomstandigheden. Schnittbedingungen. Cutting conditions. Condiciones de corte. Condizioni d'impiego.

Tarauds. Draadsnijtappen. Gewindebohrer. Taps. Machos. Maschio.



	Vc (M/min) Revêtement / coating = Vc + 20 => 50%					
A	Aciers non alliés / faiblement alliés Niet-of licht gelegeerd Staal Unligierte oder schwachlegierte unalloyed & low alloyed steels Aceros de construccion o aceros poco aleados Acciai non legati o poco legati **<400N/mm²**	25-30	18-20	18-20	15-18	15-18
B	Acier pour traitement thermique Staal voor thermische behandeling Vergütungsstäle Heat Treatable Steels Aceros aleados y tratados Acciai per trattamento termico **< 700 N/mm²**	20-30	15-18	15-18	15-18	20-25
C	Acier pour traitement thermique Staal voor thermische behandeling Vergütungsstäle Heat Treatable Steels Aceros aleados y tratados Acciai per trattamento termico **< 950 N/mm²**		6-8	6-8	6-8	5-8
D	Acier pour traitement thermique Staal voor thermische behandeling Vergütungsstäle Heat Treatable Steels Aceros aleados y tratados Acciai per trattamento termico **< 1200 N/mm²**		4-6	4-6	4-6	2-5
E	Acier pour traitement thermique Staal voor thermische behandeling Vergütungsstäle Heat Treatable Steels Aceros aleados y tratados Acciai per trattamento termico **< 1400 N/mm²**			3-5		3-5
F	Aciers inoxydables, ferritiques Roestvrij ferriestaal Rostfreies Stähle, ferritisch Stainless Steels, Ferritic Aceros inoxidables, ferriticos Acciai inossidabili, ferritici	10-20		6-8		6-8
G	Aciers inoxydables, Martensitiques Roestvrij Marttensietstaal Rostfreies Stähle, Martensitisch Stainless Steels, Martensitic Aceros inoxidables, Martensiticos Acciai inossidabili, Martensitici			4-6		4-6
H	Aciers inoxydables, Martensitiques Roestvrij Marttensietstaal Rostfreies Stähle, Martensitisch Stainless Steels, Martensitic Aceros inoxidables, Martensiticos Acciai inossidabili, Martensitici			5-7		5-7
I	Fontes grises Graw gietijzer Grauguss Cast Iron Fundicion gris Ghisa grigia		15-20			

Conditions de Coupe. Werkomstandigheden. Schnittbedingungen. Cutting conditions. Condiciones de corte. Condizioni d'impiego.

Tarauds. Draadsnijtappen. Gewindebohrer. Taps. Machos. Maschio.

	Vc (M/min) Revêtement / coating = Vc + 20 => 50%					
J	Fontes GS Gietijzer SG SG Guss SG Iron Fundicion gris con grafito laminar Ghisa a Grafite Sferoidale		10-15			
K	Alliages d'aluminium gras Zuivere aluminiumlegeringen Reinaluminium Aluminium Forgings Aleaciones de aluminio Laminato (Al)	30-40		15-25		15-25
L	Alliages d'aluminium Aluminiumleggeringen Aluminium-legierungen Cast Aluminium Aleaciones de aluminio Stampate Al **Si < 10%**	12-20		12-18		12-18
M	Alliages d'aluminium Aluminiumleggeringen Aluminium-legierungen Cast Aluminium Aleaciones de aluminio Stampate Al **Si > 10%**	12-20		12-18		12-18
N	Laiton Messing Messing Brass Laton Ottone	25-30	18-20	18-20	15-18	15-18
O	Bronze Brons Bronze Bronze Bronce Bronzo		5-10	5-10	5-10	4-8
ARCO/ AR Ni	Aciers réfractaires base Co Ni Hittebestendige legerinen op basis van Co Ni Hitzebeständige Legierungen, Co Ni base Special Alloys based Co Ni Aleaciones refractarias, base Co Ni Leghe refrattarie, Co Ni base		2-4	2-4	2-4	2-4
Ti	Alliages de Titane Titaanlegeringen Titaniegierungen Titan alloys Aleaciones de titanio Titanio			3-5		3-5

Conditions de Coupe. Werkomstandigheden. Schnittbedingungen. Cutting conditions. Condiciones de corte. Condizioni d'impiego.

Fraises Limes. Stiftrees. Frässtifte. Rotary burrs. Fresas limas. Frese lima.

	Vc (M/min) Revêtement / coating = Vc + 20 => 50%	A	C	D
A	Aciers non alliés / faiblement alliés Niet-of licht gelegeerd Staal Unligierte oder schwachlegierte unalloyed & low alloyed steels Aceros de construccion o aceros poco aleados Acciai non legati o poco legati **<400N/mm²**		400>800 m/min	
B	Acier pour traitement thermique Staal voor thermische behandeling Vergütungsstäle Heat Treatable Steels Aceros aleados y tratados Acciai per trattamento termico **< 700 N/mm²**		400>800 m/min	
C	Acier pour traitement thermique Staal voor thermische behandeling Vergütungsstäle Heat Treatable Steels Aceros aleados y tratados Acciai per trattamento termico **< 950 N/mm²**		400>800 m/min	
D	Acier pour traitement thermique Staal voor thermische behandeling Vergütungsstäle Heat Treatable Steels Aceros aleados y tratados Acciai per trattamento termico **< 1200 N/mm²**		300>700 m/min	
E	Acier pour traitement thermique Staal voor thermische behandeling Vergütungsstäle Heat Treatable Steels Aceros aleados y tratados Acciai per trattamento termico **< 1400 N/mm²**		300>600 m/min	
F	Aciers inoxydables, ferritiques Roestvrij ferriestaal Rostfreies Stähle, ferritisch Stainless Steels, Ferritic Aceros inoxidables, ferriticos Acciai inossidabili, ferritici		600>1000 m/min	
G	Aciers inoxydables, Martensitiques Roestvrij Martensietstaal Rostfreies Stähle, Martensitisch Stainless Steels, Martensitic Aceros inoxidables, Martensiticos Acciai inossidabili, Martensitici		600>1000 m/min	
H	Aciers inoxydables, Martensitiques Roestvrij Martensietstaal Rostfreies Stähle, Martensitisch Stainless Steels, Martensitic Aceros inoxidables, Martensiticos Acciai inossidabili, Martensitici		600>1000 m/min	
I	Fontes grises Graw gietijzer Grauguss Cast Iron Fundicion gris Ghisa grigia		500>800 m/min	

Conditions de Coupe. Werkomstandigheden. Schnittbedingungen. Cutting conditions. Condiciones de corte. Condizioni d'impiego.

Fraises Limes. Stiftrees. Frässtifte. Rotary burrs. Fresas limas. Frese lima.

Vc (M/min)	Revêtement / coating = Vc + 20 => 50%	A	C	D
J	Fontes GS Gietijzer SG SG Guss SG Iron Fundicion gris con grafito laminar Ghisa a Grafite Sferoidale		500>800 m/min	
K	Alliages d'aluminium gras Zuivere aluminiumlegeringen Reinaluminium Aluminium Forgings Aleaciones de aluminio Laminato (Al)	400>1000 m/min		
L	Alliages d'aluminium Aluminiumleggeringen Aluminium-legierungen Cast Aluminium Aleaciones de aluminio Stampate Al **Si < 10%**	400>1000 m/min		
M	Alliages d'aluminium Aluminiumleggeringen Aluminium-legierungen Cast Aluminium Aleaciones de aluminio Stampate Al **Si > 10%**	300>7000 m/min		
N	Laiton Messing Messing Brass Laton Ottone			400>800 m/min
O	Bronze Brons Bronze Bronze Bronce Bronzo			400>800 m/min
ARCO/ AR Ni	Aciers réfractaires base Co Ni Hittebestendige legerinen op basis van Co Ni Hitzebeständige Legierungen, Co Ni base Special Alloys based Co Ni Aleaciones refractarias, base Co Ni Leghe refrattarie, Co Ni base		400>800 m/min	400>800 m/min
Ti	Alliages de Titane Titaanlegeringen Titaniegierungen Titan alloys Aleaciones de titanio Titanio		400>1000 m/min	

Fraisage **Conditions** de **coupe** End milling Cutting conditions Fresado Condiciones de corte (Part.A)

Vc and **Vc'**(Coated) = **m/min**
fz = **m/tr**

Class	Material	Ø	Vc/fz	HSS to HSSPM			HM carbide regular			HM carbide high perf. (23621, 23623, 23640, 23642, 23634, 23636)		
				0,5d / d / d / 0,5d / d / 0,1d			0,5d / d / d / 0,5d / d / 0,1d			0,5d / d / d / 0,5d / d / 0,1d		
A	Aciers non alliés / faiblement alliés Niet-of licht gelegeerd Staal Unligierte oder schwachlegierte unalloyed & low alloyed steels Aceros de construccion o aceros poco aleados Acciai non legati o poco legati **<400N/mm²**		Vc	**38** to **44** m/min			**80** to **120** m/min					
			Vc(C)	**65** to **75** m/min (coated/revêtu)			**96** to **144** m/min (coated/revêtu)			**145** to **190** m/min (coated/revêtu)		
		4	fz	0,017	0,015	0,022	0,017	0,015	0,022	0,013	0,015	0,038
		6	fz	0,023	0,021	0,029	0,023	0,021	0,029	0,027	0,031	0,077
		8	fz	0,037	0,350	0,049	0,037	0,350	0,049	0,038	0,043	0,108
		10	fz	0,041	0,038	0,054	0,041	0,038	0,054	0,047	0,054	0,134
		12	fz	0,050	0,046	0,065	0,050	0,046	0,065	0,062	0,071	0,178
		16	fz	0,057	0,053	0,075	0,057	0,053	0,075	0,082	0,094	0,235
		20	fz	0,067	0,062	0,088	0,067	0,062	0,088	0,102	0,117	0,293
B	Acier pour traitement thermique Staal voor thermische behandeling Vergütungsstäle Heat Treatable Steels Aceros aleados y tratados Acciai per trattamento termico **< 700 N/mm²**		Vc	**32** to **38** m/min			**60** to **100** m/min					
			Vc(C)	**55** to **70** m min (coated/revêtu)			**72** to **120** m/min (coated/revêtu)			**120** to **170** m/min (coated/revêtu)		
		4	fz	0,018	0,016	0,023	0,018	0,016	0,023	0,012	0,014	0,035
		6	fz	0,027	0,024	0,035	0,027	0,024	0,035	0,025	0,028	0,070
		8	fz	0,039	0,036	0,051	0,039	0,036	0,051	0,035	0,040	0,099
		10	fz	0,044	0,041	0,058	0,044	0,041	0,058	0,043	0,049	0,123
		12	fz	0,053	0,049	0,069	0,053	0,049	0,069	0,057	0,065	0,163
		16	fz	0,060	0,055	0,079	0,060	0,055	0,079	0,075	0,086	0,216
		20	fz	0,070	0,065	0,092	0,070	0,065	0,092	0,094	0,107	0,268
C	Acier pour traitement thermique Staal voor thermische behandeling Vergütungsstäle Heat Treatable Steels Aceros aleados y tratados Acciai per trattamento termico **< 950 N/mm²**		Vc	**30** to **36** m/min			**60** to **80** m/min					
			Vc(C)	**50** to **65** m/min (coated/revêtu)			**75** to **95** m/min (coated/revêtu)			**100** to **130** m/min (coated/revêtu)		
		4	fz	0,017	0,016	0,022	0,017	0,016	0,022	0,011	0,013	0,032
		6	fz	0,025	0,023	0,033	0,025	0,023	0,033	0,022	0,026	0,064
		8	fz	0,039	0,036	0,052	0,039	0,036	0,052	0,032	0,036	0,090
		10	fz	0,047	0,043	0,061	0,047	0,043	0,061	0,039	0,045	0,112
		12	fz	0,050	0,047	0,066	0,050	0,047	0,066	0,052	0,059	0,148
		16	fz	0,060	0,055	0,079	0,060	0,055	0,079	0,069	0,078	0,196
		20	fz	0,070	0,065	0,092	0,070	0,065	0,092	0,085	0,098	0,244
D	Acier pour traitement thermique Staal voor thermische behandeling Vergütungsstäle Heat Treatable Steels Aceros aleados y tratados Acciai per trattamento termico **< 1200 N/mm²**		Vc	**22** to **28** m/min			**40** to **60** m/min					
			Vc(C)	**42** to **50** m/min (coated/revêtu)			**55** to **75** m/min (coated/revêtu)			**75** to **100** m/min (coated/revêtu)		
		4	fz	0,014	0,012	0,017	0,014	0,012	0,017	0,010	0,012	0,029
		6	fz	0,021	0,018	0,026	0,021	0,018	0,026	0,020	0,023	0,058
		8	fz	0,033	0,029	0,041	0,033	0,029	0,041	0,028	0,032	0,081
		10	fz	0,038	0,033	0,047	0,038	0,033	0,047	0,035	0,040	0,101
		12	fz	0,041	0,036	0,052	0,041	0,036	0,052	0,047	0,053	0,133
		16	fz	0,050	0,044	0,063	0,050	0,044	0,063	0,062	0,071	0,176
		20	fz	0,057	0,050	0,071	0,057	0,050	0,071	0,077	0,088	0,220
E	Acier pour traitement thermique Staal voor thermische behandeling Vergütungsstäle Heat Treatable Steels Aceros aleados y tratados Acciai per trattamento termico **< 1400 N/mm²**		Vc	**16** to **22** m/min			**25** to **40** m/min					
			Vc(C)	**30** to **36** m/min (coated/revêtu)			**40** to **55** m/min (coated/revêtu)			**55** to **75** m/min (coated/revêtu)		
		4	fz	0,014	0,012	0,017	0,014	0,012	0,017	0,008	0,009	0,022
		6	fz	0,021	0,018	0,026	0,021	0,018	0,026	0,016	0,018	0,045
		8	fz	0,033	0,029	0,041	0,033	0,029	0,041	0,022	0,025	0,063
		10	fz	0,038	0,033	0,047	0,038	0,033	0,047	0,027	0,031	0,078
		12	fz	0,041	0,036	0,052	0,041	0,036	0,052	0,036	0,041	0,104
		16	fz	0,050	0,044	0,063	0,050	0,044	0,063	0,048	0,055	0,137
		20	fz	0,057	0,050	0,071	0,057	0,050	0,071	0,060	0,068	0,171
F	Aciers inoxydables, ferritiques Roestvrij ferriestaal Rostfreies Stähle, ferritisch Stainless Steels, Ferritic Aceros inoxidables, ferriticos Acciai inossidabili, ferritici		Vc	**18** to **24** m/min			**60** to **80** m/min					
			Vc(C)	**30** to **36** m/min (coated/revêtu)			**75** to **95** m/min (coated/revêtu)			**95** to **125** m/min (coated/revêtu)		
		4	fz	0,010	0,009	0,013	0,010	0,009	0,013	0,011	0,013	0,032
		6	fz	0,022	0,019	0,027	0,022	0,019	0,027	0,022	0,026	0,064
		8	fz	0,033	0,029	0,042	0,033	0,029	0,042	0,032	0,036	0,090
		10	fz	0,043	0,038	0,054	0,043	0,038	0,054	0,039	0,045	0,112
		12	fz	0,054	0,047	0,067	0,054	0,047	0,067	0,052	0,059	0,148
		16	fz	0,067	0,059	0,084	0,067	0,059	0,084	0,069	0,078	0,196
		20	fz	0,075	0,066	0,093	0,075	0,066	0,093	0,085	0,098	0,244
G	Aciers inoxydables, Martensitiques Roestvrij Marttensietstaal Rostfreies Stähle, Martensitisch Stainless Steels, Martensitic Aceros inoxidables, Martensiticos Acciai inossidabili, Martensitici		Vc	**16** to **22** m/min			**40** to **60** m/min					
			Vc(C)	**28** to **34** m/min (coated/revêtu)			**55** to **75** m/min (coated/revêtu)			**75** to **105** m/min (coated/revêtu)		
		4	fz	0,010	0,009	0,013	0,010	0,009	0,013	0,010	0,012	0,029
		6	fz	0,022	0,019	0,027	0,022	0,019	0,027	0,020	0,023	0,058
		8	fz	0,033	0,029	0,042	0,033	0,029	0,042	0,028	0,032	0,081
		10	fz	0,043	0,038	0,054	0,043	0,038	0,054	0,035	0,040	0,101
		12	fz	0,054	0,047	0,067	0,054	0,047	0,067	0,047	0,053	0,133
		16	fz	0,067	0,059	0,084	0,067	0,059	0,084	0,062	0,071	0,176
		20	fz	0,075	0,066	0,093	0,075	0,066	0,093	0,077	0,088	0,220
H	Aciers inoxydables, Martensitiques Roestvrij Marttensietstaal Rostfreies Stähle, Martensitisch Stainless Steels, Martensitic Aceros inoxidables, Martensiticos Acciai inossidabili, Martensitici		Vc	**14** to **18** m/min			**25** to **40** m/min					
			Vc(C)	**22** to **26** m/min (coated/revêtu)			**40** to **55** m/min (coated/revêtu)			**55** to **75** m/min (coated/revêtu)		
		4	fz	0,010	0,009	0,013	0,010	0,009	0,013	0,009	0,010	0,026
		6	fz	0,022	0,019	0,027	0,022	0,019	0,027	0,018	0,020	0,051
		8	fz	0,033	0,029	0,042	0,033	0,029	0,042	0,025	0,029	0,072
		10	fz	0,043	0,038	0,054	0,043	0,038	0,054	0,031	0,036	0,090
		12	fz	0,054	0,047	0,067	0,054	0,047	0,067	0,041	0,047	0,118
		16	fz	0,067	0,059	0,084	0,067	0,059	0,084	0,055	0,063	0,157
		20	fz	0,075	0,066	0,093	0,075	0,066	0,093	0,068	0,078	0,195

Fraisage **Conditions** de **coupe** End milling Cutting conditions Fresado Condiciones de corte (Part.B)

Vc and **Vc'**(Coated) = **m/min**
fz = **m/tr**

Class	Material	Ø	Vc/fz	HSS to HSSPM			HM carbide regular			HM carbide high perf. (23621, 23623, 23640, 23642, 23634, 23636)		
				0,5d / d	d / 0,5d	d / 0,1d	0,5d / d	d / 0,5d	d / 0,1d	0,5d / d	d / 0,5d	d / 0,1d
I	Fontes grises Graw gietijzer Grauguss Cast Iron Fundicion gris Ghisa grigia		Vc	**34** to **40** m/min			**80** to **100** m/min					
			Vc(C)	**60** to **70** m/min (coated/revêtu)			**100** to **130** m/min (coated/revêtu)			**130** to**160** m/min (coated/revêtu)		
		4	fz	0,020	0,017	0,025	0,020	0,017	0,025	0,013	0,015	0,038
		6	fz	0,034	0,030	0,042	0,034	0,030	0,042	0,027	0,031	0,077
		8	fz	0,045	0,039	0,056	0,045	0,039	0,056	0,038	0,043	0,108
		10	fz	0,054	0,047	0,067	0,054	0,047	0,067	0,047	0,054	0,134
		12	fz	0,059	0,052	0,074	0,059	0,052	0,074	0,062	0,071	0,178
		16	fz	0,068	0,060	0,085	0,068	0,060	0,085	0,082	0,094	0,235
		20	fz	0,081	0,071	0,101	0,081	0,071	0,101	0,102	0,117	0,293
J	Fontes GS Gietijzer SG SG Guss SG Iron Fundicion gris con grafito laminar Ghisa a Grafite Sferoidale		Vc	**20** to **24** m/min			**50** to **70** m/min					
			Vc(C)	**38** to **44** m/min (coated/revêtu)			**75** to **100** m/min (coated/revêtu)			**100** to **130** m/min (coated/revêtu)		
		4	fz	0,020	0,017	0,025	0,020	0,017	0,025	0,012	0,014	0,035
		6	fz	0,034	0,030	0,042	0,034	0,030	0,042	0,025	0,028	0,070
		8	fz	0,045	0,039	0,056	0,045	0,039	0,056	0,035	0,040	0,099
		10	fz	0,054	0,047	0,067	0,054	0,047	0,067	0,043	0,049	0,123
		12	fz	0,059	0,052	0,074	0,059	0,052	0,074	0,057	0,065	0,163
		16	fz	0,068	0,060	0,085	0,068	0,060	0,085	0,075	0,086	0,216
		20	fz	0,081	0,071	0,101	0,081	0,071	0,101	0,094	0,107	0,268
K	Alliages d'aluminium gras Zuivere aluminiumlegeringen Reinaluminium Aluminium Forgings Aleaciones de aluminio Laminato (Al)		Vc	**150** to **250** m/min			**350** to **500** m/min					
			Vc(C)	**200** to **300** m/min (coated/revêtu)			**450** to **650** m/min (coated/revêtu)			**600** to **800** m/min (coated/revêtu)		
		4	fz	0,025	0,022	0,031	0,025	0,022	0,031	0,016	0,018	0,045
		6	fz	0,038	0,033	0,047	0,038	0,033	0,047	0,031	0,036	0,090
		8	fz	0,052	0,046	0,065	0,052	0,046	0,065	0,044	0,050	0,126
		10	fz	0,059	0,052	0,074	0,059	0,052	0,074	0,055	0,063	0,157
		12	fz	0,066	0,058	0,082	0,066	0,058	0,082	0,073	0,083	0,207
		16	fz	0,850	0,075	0,106	0,850	0,075	0,106	0,096	0,110	0,274
		20	fz	0,091	0,080	0,114	0,091	0,080	0,114	0,120	0,137	0,342
L	Alliages d'aluminium Aluminiumleggeringen Aluminium-legierungen Cast Aluminium Aleaciones de aluminio Stampate Al **Si < 10%**		Vc	**100** to **150** m/min			**250** to **400** m/min					
			Vc(C)	**150** to **200** m/min (coated/revêtu)			**300** to **550** m/min (coated/revêtu)			**500** to **700** m/min (coated/revêtu)		
		4	fz	0,028	0,024	0,035	0,028	0,024	0,035	0,015	0,017	0,042
		6	fz	0,041	0,036	0,052	0,041	0,036	0,052	0,029	0,033	0,083
		8	fz	0,057	0,050	0,071	0,057	0,050	0,071	0,041	0,047	0,117
		10	fz	0,065	0,057	0,081	0,065	0,057	0,081	0,051	0,058	0,146
		12	fz	0,073	0,064	0,091	0,073	0,064	0,091	0,067	0,077	0,192
		16	fz	0,093	0,082	0,117	0,093	0,082	0,117	0,089	0,102	0,255
		20	fz	0,100	0,088	0,125	0,100	0,088	0,125	0,111	0,127	0,317
M	Alliages d'aluminium Aluminiumleggeringen Aluminium-legierungen Cast Aluminium Aleaciones de aluminio Stampate Al **Si > 10%**		Vc	**60** to **100** m/min			**150** to **300** m/min					
			Vc (C)	**80** to **120** m/min (coated/revêtu)			**200** to **400** m/min (coated/revêtu)			**350** to **500** m/min (coated/revêtu)		
		4	fz	0,030	0,027	0,038	0,030	0,027	0,038	0,013	0,015	0,038
		6	fz	0,046	0,040	0,057	0,046	0,040	0,057	0,027	0,031	0,077
		8	fz	0,063	0,055	0,078	0,063	0,055	0,078	0,038	0,043	0,108
		10	fz	0,071	0,063	0,089	0,071	0,063	0,089	0,047	0,054	0,134
		12	fz	0,080	0,070	0,100	0,080	0,070	0,100	0,062	0,071	0,178
		16	fz	0,103	0,090	0,128	0,103	0,090	0,128	0,082	0,094	0,235
		20	fz	0,110	0,097	0,138	0,110	0,097	0,138	0,102	0,117	0,293
N	Laiton Messing Messing Brass Laton Ottone		Vc	**70** to **95** m/min			**100** to **200** m/min					
			Vc (C)	**100** to **180** m/min (coated/revêtu)			**120** to **240** m/min (coated/revêtu))			**150** to **250** m/min (coated/revêtu)		
		4	fz	0,011	0,009	0,013	0,011	0,009	0,013	0,011	0,013	0,032
		6	fz	0,019	0,017	0,024	0,019	0,017	0,024	0,022	0,026	0,064
		8	fz	0,031	0,028	0,039	0,031	0,028	0,039	0,032	0,036	0,090
		10	fz	0,039	0,035	0,049	0,039	0,035	0,049	0,039	0,045	0,112
		12	fz	0,053	0,047	0,066	0,053	0,047	0,066	0,052	0,059	0,148
		16	fz	0,071	0,062	0,088	0,071	0,062	0,088	0,069	0,078	0,196
		20	fz	0,079	0,069	0,980	0,079	0,069	0,980	0,085	0,098	0,244
O	Bronze Brons Bronze Bronze Bronce Bronzo		Vc	**50** to **75** m/min			**75** to **125** m/min					
			Vc(C)	**80** to **120** m/min (coated/revêtu)			**110** to **160** m/min (coated/revêtu)			**130** to **180** m/min (coated/revêtu)		
		4	fz	0,011	0,009	0,013	0,011	0,009	0,013	0,011	0,013	0,032
		6	fz	0,019	0,017	0,024	0,019	0,017	0,024	0,022	0,026	0,064
		8	fz	0,031	0,028	0,039	0,031	0,028	0,039	0,032	0,036	0,090
		10	fz	0,039	0,035	0,049	0,039	0,035	0,049	0,039	0,045	0,112
		12	fz	0,053	0,047	0,066	0,053	0,047	0,066	0,052	0,059	0,148
		16	fz	0,071	0,062	0,088	0,071	0,062	0,088	0,069	0,078	0,196
		20	fz	0,079	0,069	0,980	0,079	0,069	0,980	0,085	0,098	0,244
AIR ARFe	Aciers réfractaires base Co Ni Hittebestendige legerinen op basis van Co Ni Hitzebeständige Legierungen, Co Ni base Special Alloys based Co Ni Aleaciones refractarias, base Co Ni Leghe refrattarie, Co Ni base		Vc	**12** to **18** m/min			**30** to **45** m/min					
			Vc(C)	**18** to **24** m/min (coated/revêtu)			**35** to **50** m/min (coated/revêtu)			**45** to **65** m/min (coated/revêtu)		
		4	fz	0,009	0,008	0,012	0,009	0,008	0,012	0,008	0,009	0,022
		6	fz	0,019	0,017	0,024	0,019	0,017	0,024	0,016	0,018	0,045
		8	fz	0,030	0,027	0,038	0,030	0,027	0,038	0,022	0,025	0,063
		10	fz	0,039	0,034	0,049	0,039	0,034	0,049	0,027	0,031	0,078
		12	fz	0,048	0,043	0,061	0,048	0,043	0,061	0,036	0,041	0,104
		16	fz	0,060	0,053	0,075	0,060	0,053	0,075	0,048	0,055	0,137
		20	fz	0,067	0,059	0,084	0,067	0,059	0,084	0,060	0,068	0,171

Fraisage **Conditions** de **coupe** End milling Cutting conditions Fresado Condiciones de corte (Part.C)

Vc and **Vc'**(Coated) = **m/min**
fz = **m/tr**

Class	Material	Ø	Vc/fz	HSS to HSSPM			HM carbide regular			HM carbide high perf. (23621, 23623, 23640, 23642, 23634, 23636)		
				0,5d / d	d / 0,5d	d / 0,1d	0,5d / d	d / 0,5d	d / 0,1d	0,5d / d	d / 0,5d	d / 0,1d
ARCo ARNi	Aciers réfractaires base Co Ni Hittebestendige legerinen op basis van Co Ni Hitzebeständige Legierungen, Co Ni base Special Alloys based Co Ni Aleaciones refractarias, base Co Ni Leçhe refrattarie, Co Ni base		Vc	10 to 16 m/min			25 to 40 m/min					
			Vc(C)	20 to 26 m/min (coated/revêtu)			30 to 45 m/min (coated/revêtu)			40 to 60 m/min (coated/revêtu)		
		4	fz	0,013	0,012	0,016	0,013	0,012	0,016	0,007	0,008	0,019
		6	fz	0,022	0,019	0,027	0,022	0,019	0,027	0,013	0,015	0,038
		8	fz	0,033	0,029	0,042	0,033	0,029	0,042	0,019	0,022	0,054
		10	fz	0,044	0,039	0,056	0,044	0,039	0,056	0,024	0,027	0,067
		12	fz	0,057	0,050	0,071	0,057	0,050	0,071	0,031	0,036	0,089
		16	fz	0,067	0,059	0,084	0,067	0,059	0,084	0,041	0,047	0,118
		20	fz	0,079	0,069	0,098	0,079	0,069	0,098	0,051	0,059	0,146
ARCo ARNi	Aciers réfractaires base Co Ni Hittebestendige legerinen op basis van Co Ni Hitzebeständige Legierungen, Co Ni base Special Alloys based Co Ni Aleaciones refractarias, base Co Ni Leçhe refrattarie, Co Ni base		Vc	8 to 12 m/min			20 to 35 m/min					
			Vc(C)	14 to 16 m/min (coated/revêtu)			25 to 40 m/min (coated/revêtu)			35 to 55 m/min (coated/revêtu)		
		4	fz	0,011	0,010	0,014	0,011	0,010	0,014	0,007	0,008	0,019
		6	fz	0,018	0,016	0,023	0,018	0,016	0,023	0,013	0,015	0,038
		8	fz	0,029	0,025	0,036	0,029	0,025	0,036	0,019	0,022	0,054
		10	fz	0,038	0,034	0,048	0,038	0,034	0,048	0,024	0,027	0,067
		12	fz	0,048	0,043	0,061	0,048	0,043	0,061	0,031	0,036	0,089
		16	fz	0,057	0,051	0,072	0,057	0,051	0,072	0,041	0,047	0,118
		20	fz	0,067	0,059	0,084	0,067	0,059	0,084	0,051	0,059	0,146
Ti	Alliages de Titane Titaanlegeringen Titaniegierungen Titan alloys Aleaciones de titanio Titanio		Vc	12 to 18 m/min			20 to 40 m/min					
			Vc(C)	22 to 28 m/min (coated/revêtu)			24 to 48 m/min (coated/revêtu)			45 to 65 m/min	55 to 75 m/min	75 to 85 m/min
		4	fz	0,011	0,010	0,014	0,011	0,010	0,014	0,008	0,009	0,022
		6	fz	0,017	0,016	0,023	0,017	0,016	0,023	0,016	0,018	0,045
		8	fz	0,027	0,025	0,036	0,027	0,025	0,036	0,022	0,025	0,063
		10	fz	0,036	0,034	0,048	0,036	0,034	0,048	0,027	0,031	0,078
		12	fz	0,046	0,043	0,061	0,046	0,043	0,061	0,036	0,041	0,104
		16	fz	0,055	0,051	0,072	0,055	0,051	0,072	0,048	0,055	0,137
		20	fz	0,064	0,059	0,084	0,064	0,059	0,084	0,060	0,068	0,171

Information

HM CARB — Carbure monobloc / Solid Carbide

HS COB — Hss + Cobalt / Hss + Cobalt

HSS PM — Acier fritté ASP / Powder mettalurgy ASP

BRIGHT UNCOATED — Non revêtu / Uncoated

FLAM COATED — Revêtement / Coating

STEAM TREATED — Oxyda. à la vapeur SH / Steam oxidinzing SH

DIN 333A — Norme / Norm

simDiN 338 — Similaire à la norme / Similar to the standard

2xd — Profondeur de perçage / Depth Drilling

Dépouille conique / Conventional point

1/3 2/3

Pointe en croix / Split point

4 faces / 4 facet point

Plaquette carb. rapportée / Carbide tip

Affutage standard carb. / Standard solid carbide

Tivoly Sirius+

Tivoly Sirius+ (trous d'huile) / Tivoly Sirius+ (coolant feed)

Bout fraise lime / Rotary burr end cutting

Bout foret / Drill end cutting

Bout Queue de poisson / Fish tail end cutting

3 lèvres / 3 flutes

TIVOLY
TIVOLY
TIVOLY

TIVOLY

MERCHANDISING

Présentoirs et materiels de PLV

Pour dynamiser les ventes et animer les rayons, Tivoly propose des solutions de mise en avant, promotions, cross-marketing sur mesure.
Pour des installations pérennes ou temporaires, Tivoly conçoit du matériel de présentation et de communication sur lieu de vente, adapté à chaque gamme de produits.

Pour chaque gamme, Tivoly propose l'assortiment et l'implantation des produits adaptés à vos surfaces de vente. Nos commerciaux et conseillers sont à votre écoute pour définir avec vous l'offre et l'organisation du rayon pour optimiser vos ventes.

Displays, communication and promotional materials

To drive sales and animate the shelves, Tivoly offers customized highlighted solutions for promotions, cross-marketing etc....

For each product line, Tivoly offers the implantation of an assortment of products adapted to your sales floor needs. Our sales representatives and consultants will listen to you to define the way you want to organize the product range for maximum sales.

PRÉSENTOIRS ET MATERIELS DE PLV
DISPLAYS, COMMUNICATION AND PROMOTIONAL MATERIALS

TIVOLY

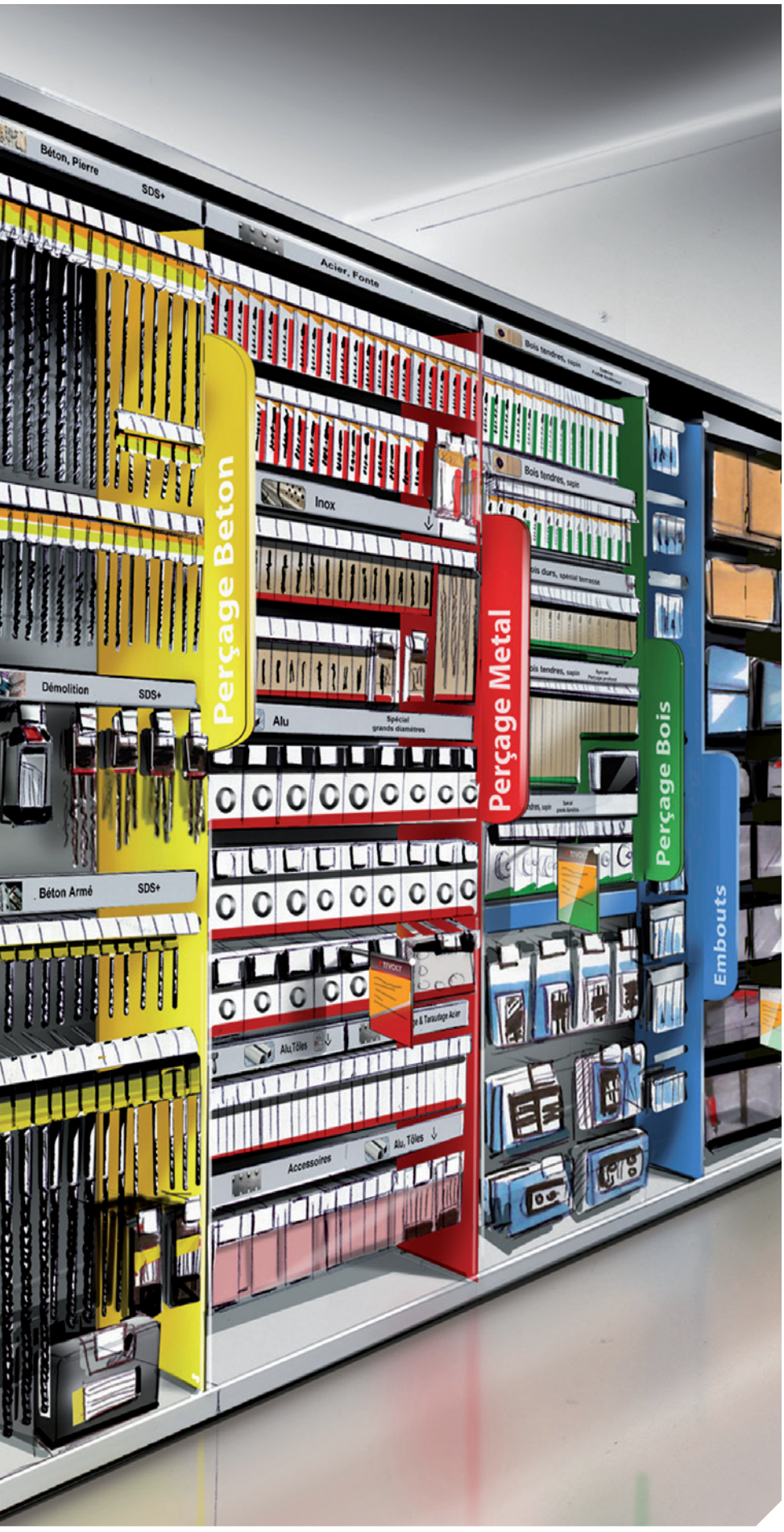
MERCHANDISING

TIVOLY
SHOP IN SHOP

Présentoirs et Matériel de PLV
Pour dynamiser les ventes et animer les rayons, **Tivoly propose des solutions de mise en avant, promotions, cross-marketing** sur mesure.
Pour des installations pérennes ou temporaires, **Tivoly conçoit du matériel de présentation** et de communication sur lieu de vente, **adapté à chaque gamme de produits.**

Displays, Communication and Promotional Materials
To drive sales and animate the shelves, **Tivoly offers customized highlighted solutions for promotions, cross-marketing** etc...
For permanent and temporary installations, **Tivoly designed specific materials** for presentation and communication in stores, **tailored for each product line.**

particulier@tivoly.com



MERCHANDISING

TIVOLY
SHOP IN SHOP

Pour chaque gamme,**Tivoly propose l'assortiment et l'implantation des produits adaptés à vos surfaces de vente**.
Nos commerciaux et conseillers sont à votre écoute pour définir avec vous l'offre et l'organisation du rayon pour optimiser vos ventes.
Pour une recherche facilité des produits en magasin, Tivoly propose également un système modulaire de bandeaux d'informations destiné à orienter l'utilisateur et à assurer **une bonne segmentation et lisibilité du rayon.**

For each product line, **Tivoly offers the implantation of an assortment of products adapted to your sales floor needs.**
Our sales representatives and consultants will listen to you to define the way you want to organize the product range for maximum sales.
To facilitate finding products in your store, Tivoly also offers a modular system of information stickers designed to drive customer and to insure **a good visibility of each part of the shelf.**

Notes

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#01-08

CUTTING TOOLS
HERRAMIENTAS DE CORTE
UTENSILI DA TAGLIO

#01 48

#02 160

#03 170

#04 226

#05 238

#06 341

#07 354

#08 376

#09-19

POWER TOOL ACCESSORIES
ACCESORIOS PARA HERRAMIENTAS ELECTROPORTÁTIL
ACCESSORI ELETTROPORTATIVI

#09 384

#10 465

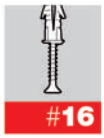
#11 508

#12 576

#13 605

#14 624

#15 665


#16 675

#17 689

#18 703

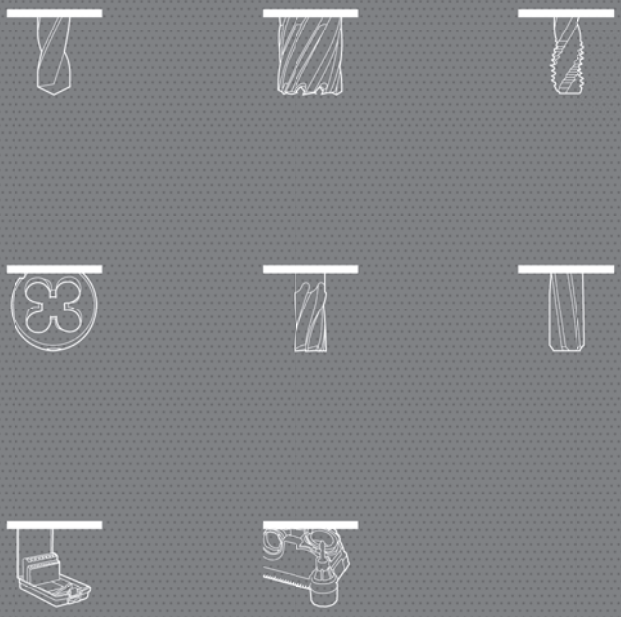
#19 729

#20

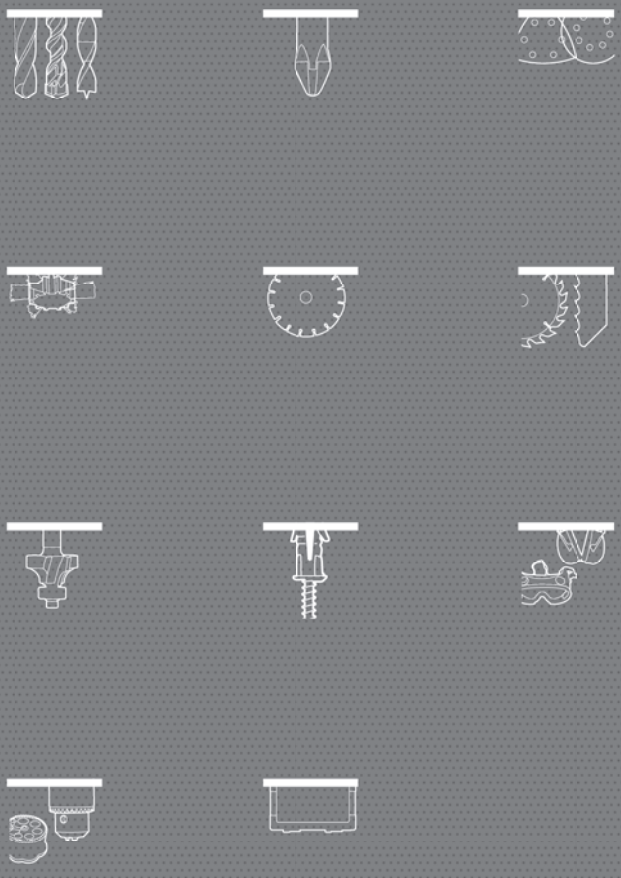
TECHNICAL INFORMATION
INFORMACIÓN TÉCNICA
INFORMAZIONI TECNICHE

#20 738

01-08



09-19



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GENERAL
CATALOGUE

GENERAL
CATÁLOGO

GENARALE
CATALOGO

Ref. **1310060 0004** | 11.2012_V1

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20€