



ADDITIONAL HAND TOOLS

When it's about success, details matter

HOW MUCH ATTENTION SHOULD WE GIVE TO DETAILS?

Always more than you would first think.

The line of additional Unior hand tools comprises instruments that will ensure the accurate filing, honing and perfect trimming of your final products. And with all your work pieces safely and precisely locked in place, working with them will be quicker and safer.

Made of superior quality material, the Unior clamps, files, saws, knives, abrasive and cut-off wheels, tyre levers, pry bars and other instruments from the additional hand tools line display a well-studied and efficient design.

Universal, screw and quick-action bar clamps ensure fast and easy clamping and a variable clamping force for different types of jobs. The replaceable jaws and the anti-corrosion protection layer, as well as a series of other excellent qualities prolong the utility of the clamps.

Owing to their ergonomic, double component handles, the Unior rasps as well as the smooth and bastard files enable adequate forming and finishing of a material or product. The files are double cut and made of high-alloyed carbon steel.

All Unior saws (bow, hand, pruning and other types of saws) come with high quality steel blades-some of the models feature frames with storage for spare blades. Their well-designed handles further facilitate sawing.

These same qualities also characterise the range of universal Unior knives available with spare blade sets.

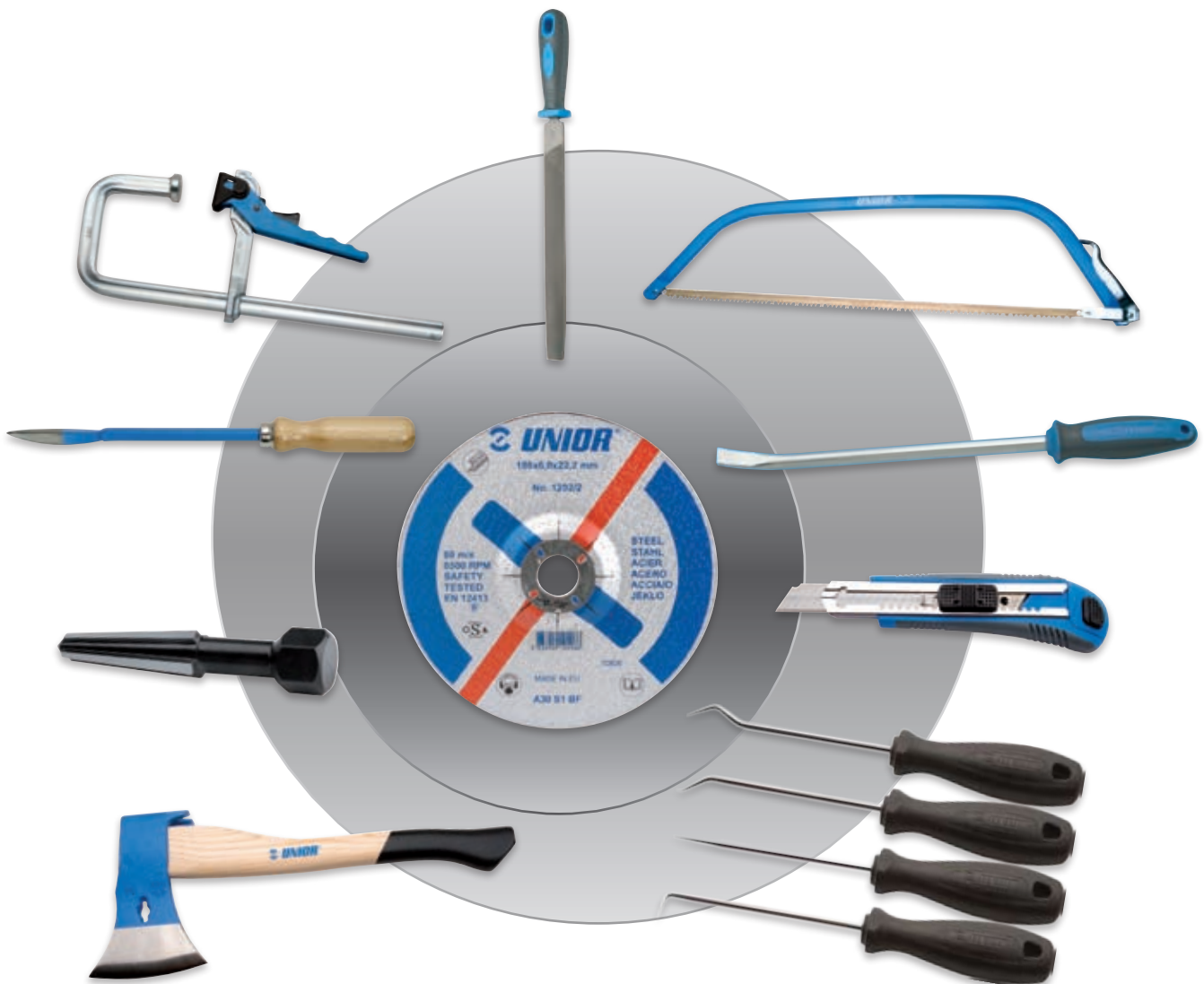
The flat, triangular and spoon-shape scrapers have ground blades, lacquered stems and wooden handles.

Cut-off and abrasive wheels are designed for hand-free use on angle grinders, with a group of wheels especially created for forming and finishing fibrous metals, also suitable to be used on aluminium as well as steel, artificial materials and non-ferrous alloys.

Completing the range of automotive and carpentry tools are tyre levers of high-quality chrome-vanadium and pry bars made of tool steel.

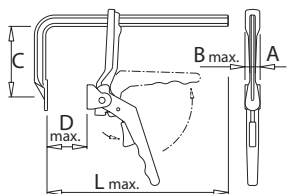
And for that extra bit of help that will really make your work easy you can always rely on Unior's screw extractors, enabling the removal of broken screws and bolts, and the hand riveter with interchangeable assorted-size nosepieces.

The majority of these tools are also available in sets.

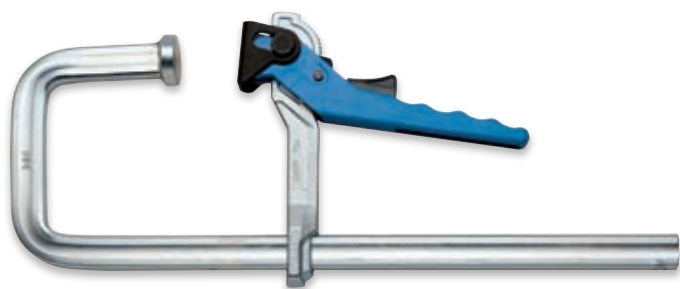



704 QUICK ACTION CLAMP

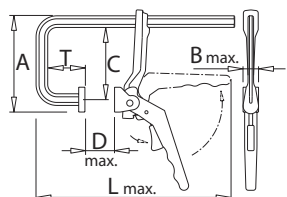
powerful and reliable clamping is achieved with the minimum effort
The spindle has a rolled thread to provides ease of movement and maximum clamping force
the sliding jaw is drop forged, hardened, tempered and electroplated
accidental opening of the clamp is prevented by the locking pawl



Code	EAN	D max	C	L max	A	B max	
609961	099613	160	120	360	25	25	1110
609962	099620	200	120	400	25	25	1170
609963	099637	250	120	450	25	25	1220
609964	099644	300	140	570	35	25	2540
609965	099651	400	140	670	35	35	2660
609966	099668	500	140	770	35	35	2910
609967	099675	600	140	870	35	35	3140
609972	099729	800	140	1070	35	35	3630
609973	099736	1000	140	1270	35	35	4120


704 A QUICK ACTION U CLAMP

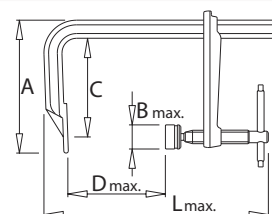
powerful and reliable clamping is achieved with the minimum effort
The spindle has a rolled thread to provides ease of movement and maximum clamping force
the sliding jaw is drop forged, hardened, tempered and electroplated
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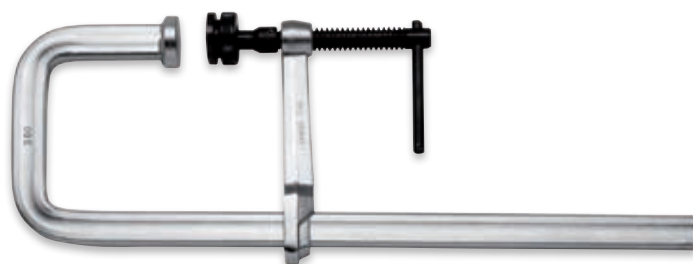
Code	EAN	D max	T	C	L max	A	B max	
617528	175287	250	60	120	530	170	40	1450
617529	175294	300	100	140	655	190	40	3020
617530	175300	400	150	140	805	190	40	3560


705 HEAVY DUTY ENGINEERING CLAMP

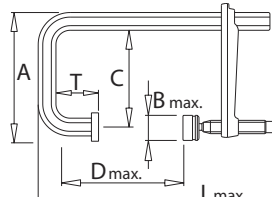
the sliding jaw is drop forged, hardened, tempered and electroplated
the foot is replaceable and swivels to clamp irregular shaped objects. The spindle has a rolled thread to provide ease of movement and maximum clamping force
the foot, spindle and handle are protected against corrosion



Code	EAN	D max	C	L max	A	B max	
609974	099743	160	140	370	155	30	1920
609968	099682	200	140	410	155	30	1960
609982	099828	250	140	460	155	30	2147
609969	099699	300	140	550	180	40	2220
609970	099705	400	140	650	180	40	2440
609971	099712	500	140	750	180	40	2690
609975	099750	600	140	850	180	40	2930
609983	099835	800	140	1050	180	40	3565
609984	099842	1000	140	1250	180	40	4080


705 A HEAVY DUTY ENGINEERING U CLAMP

the sliding jaw is drop forged, hardened, tempered and electroplated
the foot is replaceable and swivels to clamp irregular shaped objects. The spindle has a rolled thread to provide ease of movement and maximum clamping force
the foot, spindle and handle are protected against corrosion

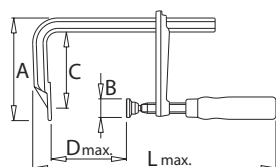


Code	EAN	D max	T	C	L max	A	B max	
617531	175317	250	60	140	450	170	40	1940
617539	175393	300	100	140	560	190	40	2795
617540	175409	400	150	140	710	190	40	3345



702 JOINER'S CLAMP

material: carbon tool steel
surface finish: zinc plated
screw burnished
intended for timber and building industry
wooden handle, lacquered

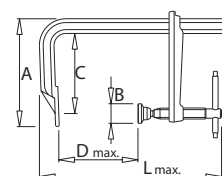


Code	EAN	D max	C	L max	A	B	
601783	017839	120	100	330	155	25	710
601784	017846	160	100	370	155	25	760
601785	017853	200	100	410	155	25	810
601786	017860	250	100	460	155	25	870
601787	017877	300	120	550	180	35	1730
601788	017884	400	120	650	180	35	1970
601789	017891	500	120	750	180	35	2150
601790	017907	600	120	850	180	35	2310
601791	017914	800	120	1050	180	35	2830
601792	017921	1000	120	1250	180	35	3270



702/1 JOINER'S CLAMP

material: carbon tool steel
surface finish: zinc plated
screw burnished
intended for timber and building industry
metal handle

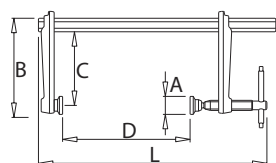


Code	EAN	D max	C	L max	A	B	
608433	084336	120	100	330	155	25	710
608434	084343	160	100	370	155	25	760
608435	084350	200	100	410	155	25	810
608436	084367	250	100	460	155	25	870
608360	083605	300	120	550	180	35	1730
608437	084374	400	120	650	180	35	1970
608438	084381	500	120	750	180	35	2150
608439	084398	600	120	850	180	35	2310
608440	084404	800	120	1050	180	35	2830
608441	084411	1000	120	1250	180	35	3270



703/1 JOINER'S CLAMP UNIVERSAL

material: carbon tool steel
surface finish: zinc plated
screw burnished
intended for timber and building industry
metal handle
for internal and external clamping

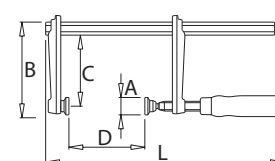


Code	EAN	D	C	L	A	B	
608230	082301	1000	120	1250	35	180	3000



703 JOINER'S CLAMP UNIVERSAL

material: carbon tool steel
surface finish: zinc plated
screw burnished
intended for timber and building industry
wooden handle, lacquered
for internal and external clamping



Code	EAN	D	C	L	A	B	
607346	073460	1000	120	1250	35	180	3300

**760 B** FLAT FILES, BASTARD

material: high carbon - content steel
files hardness 60-65 HRc
all files has second cut



DIN 7621

Code	EAN	Dim.	a x b	
612911	129112	200	5 x 20	180
612912	129129	250	7 x 26	290
612913	129136	300	8 x 30	480

760 1/2 S FLAT FILES, HALF SMOOTH

material: high carbon - content steel
files hardness 60-65 HRc
all files has second cut



DIN 7621

Code	EAN	Dim.	a x b	
612914	129143	200	5 x 20	180
612915	129150	250	7 x 26	290
612916	129167	300	8 x 30	480

760 S FLAT FILES, SMOOTH

material: high carbon - content steel
files hardness 60-65 HRc
all files has second cut



DIN 7621

Code	EAN	Dim.	a x b	
612917	129174	200	5 x 20	180
612918	129181	250	7 x 26	290
612919	129198	300	8 x 30	480

760H B FLAT FILES WITH HANDLE, BASTARD

material: high carbon - content steel
files hardness 60-65 HRc
all files has second cut



DIN 7621

Code	EAN	Dim.	L	a x b	
612992	129921	200	325	5 x 20	245
612993	129938	250	375	7 x 26	355
612994	129945	300	425	8 x 30	545

760H 1/2 S FLAT FILES WITH HANDLE, HALF SMOOTH

material: high carbon - content steel
files hardness 60-65 HRc
all files has second cut



DIN 7621

Code	EAN	Dim.	L	a x b	
612995	129952	200	325	5 x 20	245
612996	129969	250	375	7 x 26	355
612997	129976	300	425	8 x 30	545

760H S FLAT FILE WITH HANDLE, SMOOTH

material: high carbon - content steel
files hardness 60-65 HRc
all files has second cut

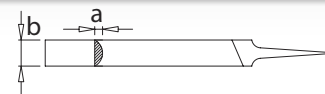


DIN 7621

Code	EAN	Dim.	L	a x b	
612998	129983	200	325	5 x 20	245
612999	129990	250	375	7 x 26	355
613001	130019	300	425	8 x 30	545

**761 B** HALF-ROUND FILES, BASTARD

material: high carbon - content steel
files hardness 60-65 HRc
all files has second cut

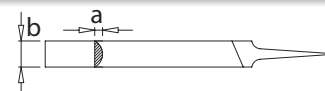


DIN 7621

Code	EAN	Dim.	a x b	
612920	129204	200	7 x 21	160
612921	129211	250	8 x 24	260
612922	129228	300	10 x 30	460

761 1/2 S HALF-ROUND FILE, HALF SMOOTH

material: high carbon - content steel
files hardness 60-65 HRc
all files has second cut

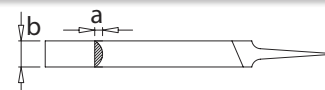


DIN 7621

Code	EAN	Dim.	a x b	
612923	129235	200	7 x 21	180
612924	129242	250	8 x 24	290
612925	129259	300	10 x 30	460

761 S HALF-ROUND FILE, SMOOTH

material: high carbon - content steel
files hardness 60-65 HRc
all files has second cut



DIN 7621

Code	EAN	Dim.	a x b	
612926	129266	200	7 x 21	180
612927	129273	250	8 x 24	290
612928	129280	300	10 x 30	460

761H B HALF-ROUND FILES WITH HANDLE, BASTARD

material: high carbon - content steel
files hardness 60-65 HRc
all files has second cut

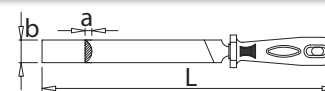


DIN 7621

Code	EAN	Dim.	L	a x b	
613002	130026	200	325	7 x 21	225
613003	130033	250	375	8 x 24	325
613004	130040	300	425	10 x 30	525

761H 1/2 S HALF-ROUND FILE WITH HANDLE, HALF SMOOTH

material: high carbon - content steel
files hardness 60-65 HRc
all files has second cut

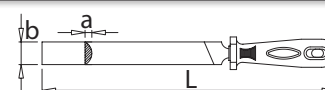


DIN 7621

Code	EAN	Dim.	L	a x b	
613005	130057	200	325	7 x 21	225
613006	130064	250	375	8 x 24	325
613007	130071	300	425	10 x 30	525

761 HS HALF-ROUND FILE WITH HANDLE, SMOOTH

material: high carbon - content steel
files hardness 60-65 HRc
all files has second cut



DIN 7621

Code	EAN	Dim.	L	a x b	
613008	130088	200	325	7 x 21	225
613009	130095	250	375	8 x 24	325
613010	130101	300	425	10 x 30	525

763 B ROUND FILES, BASTARD

material: high carbon - content steel
files hardness 60-65 HRC
all files has second cut

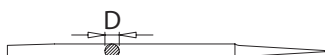


DIN 7621

Code	EAN	Dim.	D	
612935	129358	200	8	77
612936	129365	250	10	130
612937	129372	300	12	230

763 1/2 S ROUND FILES, HALF SMOOTH

material: high carbon - content steel
files hardness 60-65 HRC
all files has second cut

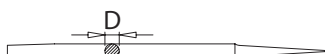


DIN 7621

Code	EAN	Dim.	D	
612938	129389	200	8	77
612939	129396	250	10	130
612940	129402	300	12	230

763 S ROUND FILES, SMOOTH

material: high carbon - content steel
files hardness 60-65 HRC
all files has second cut

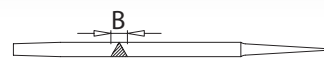


DIN 7621

Code	EAN	Dim.	D	
612941	129419	200	8	77
612942	129426	250	10	130
612943	129433	300	12	230

764 B THREE-SQUARE FILES, BASTARD

material: high carbon - content steel
files hardness 60-65 HRC
all files has second cut

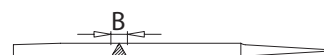


DIN 7621

Code	EAN	Dim.	B	
612944	129440	200	14	120
612945	129457	250	17	190
612946	129464	300	20	370

764 1/2 S THREE-SQUARE FILES, HALF SMOOTH

material: high carbon - content steel
files hardness 60-65 HRC
all files has second cut



DIN 7621

Code	EAN	Dim.	B	
612947	129471	200	14	120
612948	129488	250	17	190
612949	129495	300	20	370

764 S THREE-SQUARE FILES, SMOOTH

material: high carbon - content steel
files hardness 60-65 HRC
all files has second cut

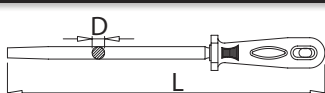


DIN 7621

Code	EAN	Dim.	B	
612950	129501	200	14	120
612951	129518	250	17	190
612952	129525	300	20	370

763H B ROUND FILES WITH HANDLE, BASTARD

material: high carbon - content steel
files hardness 60-65 HRC
all files has second cut

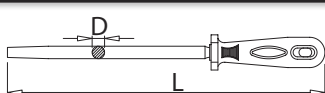


DIN 7621

Code	EAN	Dim.	L	D	
613011	130118	200	325	8	142
613012	130125	250	375	10	195
613013	130132	300	425	12	295

763H 1/2 S ROUND FILE WITH HANDLE, HALF SMOOTH

material: high carbon - content steel
files hardness 60-65 HRC
all files has second cut



DIN 7621

Code	EAN	Dim.	L	D	
613014	130149	200	325	8	142
613015	130156	250	375	10	195
613016	130163	300	425	12	295

763H S ROUND FILE WITH HANDLE, SMOOTH

material: high carbon - content steel
files hardness 60-65 HRC
all files has second cut

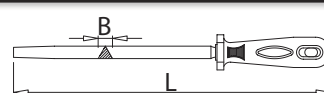


DIN 7621

Code	EAN	Dim.	L	D	
613017	130170	200	325	8	142
613018	130187	250	375	10	195
613019	130194	300	425	12	295

764H B THREE-SQUARE FILES WITH HANDLE, BASTARD

material: high carbon - content steel
files hardness 60-65 HRC
all files has second cut



DIN 7621

Code	EAN	Dim.	L	B	
613020	130200	200	325	14	185
613021	130217	250	375	17	255
613022	130224	300	425	20	435

764H 1/2 S THREE-SQUARE FILES WITH HANDLE, HALF SMOOTH

material: high carbon - content steel
files hardness 60-65 HRC
all files has second cut

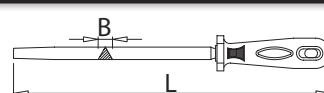


DIN 7621

Code	EAN	Dim.	L	B	
613023	130231	200	325	14	185
613024	130248	250	375	17	255
613025	130255	300	425	20	435

764H S THREE-SQUARE FILES WITH HANDLE, SMOOTH

material: high carbon - content steel
files hardness 60-65 HRC
all files has second cut

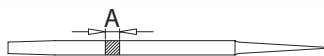


DIN 7621

Code	EAN	Dim.	L	B	
613026	130262	200	325	14	185
613027	130279	250	375	17	255
613028	130286	300	425	20	435


765 B SQUARE FILES, BASTARD

material: high carbon - content steel
files hardness 60-65 HRC
all files has second cut

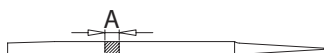


DIN 7621

Code	EAN	Dim.	A	
612953	129532	200	8	97
612954	129549	250	10	190
612955	129556	300	12	340

765 1/2 S SQUARE FILES, HALF SMOOTH

material: high carbon - content steel
files hardness 60-65 HRC
all files has second cut

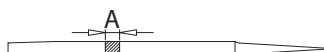


DIN 7621

Code	EAN	Dim.	A	
612956	129563	200	8	97
612957	129570	250	10	190
612958	129587	300	12	340

765 S SQUARE FILES, SMOOTH

material: high carbon - content steel
files hardness 60-65 HRC
all files has second cut

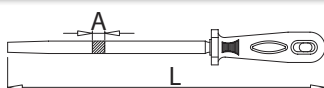


DIN 7621

Code	EAN	Dim.	A	
612959	129594	200	8	97
612960	129600	250	10	190
612961	129617	300	12	340


765H B SQUARE FILES WITH HANDLE, BASTARD

material: high carbon - content steel
files hardness 60-65 HRC
all files has second cut

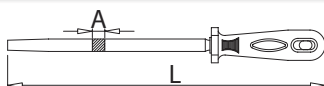


DIN 7621

Code	EAN	Dim.	L	A	
613029	130293	200	325	8	162
613030	130309	250	375	10	255
613031	130316	300	425	12	405

765H 1/2 S SQUARE FILE WITH HANDLE, HALF SMOOTH

material: high carbon - content steel
files hardness 60-65 HRC
all files has second cut



DIN 7621

Code	EAN	Dim.	L	A	
613032	130323	200	325	8	162
613033	130330	250	375	10	255
613034	130347	300	425	12	405

765H S SQUARE FILE WITH HANDLE, SMOOTH

material: high carbon - content steel
files hardness 60-65 HRC
all files has second cut



DIN 7621

Code	EAN	Dim.	L	A	
613035	130354	200	325	8	162
613036	130361	250	375	10	255
613037	130378	300	425	12	405


762/5B SET OF FILES, BASTARD

Code	EAN		
612929	129297	5	777

Art.	Dim..
760H B	200
761H B	200
763H B	200
764H B	200
765H B	200

Code	EAN		
612930	129303	5	1325

Art.	Dim..
760H B	250
761H B	250
763H B	250
764H B	250
765H B	250

762/5 1/2S SET OF FILES, HALF SMOOTH

Code	EAN		
612931	129310	5	777

Art.	Dim..
760H 1/2S	200
761H 1/2S	200
763H 1/2S	200
764H 1/2S	200
765H 1/2S	200

Code	EAN		
612932	129327	5	1325

Art.	Dim..
760H 1/2S	250
761H 1/2S	250
763H 1/2S	250
764H 1/2S	250
765H 1/2S	250

762/5S SET OF FILES, SMOOTH

Code	EAN		
612933	129334	5	777

Art.	Dim..
760H S	200
761H S	200
763H S	200
764H S	200
765H S	200

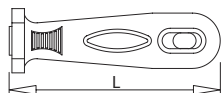
Code	EAN		
612934	129341	5	1325

Art.	Dim..
760H S	250
761H S	250
763H S	250
764H S	250
765H S	250



766B HANDLE FOR FILES 763, 764, 765, 769

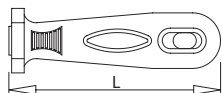
ergonomic heavy duty double component handle



Code	EAN	for Dim.	L	
612962	129624	200	115	65

766C HANDLE FOR FILES 760, 761, 767, 768

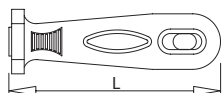
ergonomic heavy duty double component handle



Code	EAN	for Dim.	L	
612963	129631	200	115	65

766D HANDLE FOR FILES 763, 764, 765, 769

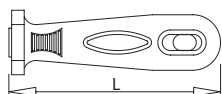
ergonomic heavy duty double component handle



Code	EAN	for Dim.	for Dim.	L	
612964	129648	250	300	115	65

766E HANDLE FOR FILES 760, 761, 767, 768

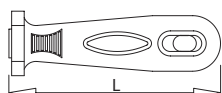
ergonomic heavy duty double component handle



Code	EAN	for Dim.	L	
612965	129655	250	115	65

766F HANDLE FOR FILES 760, 761, 767, 768

ergonomic heavy duty double component handle

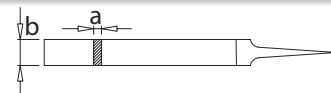


Code	EAN	for Dim.	L	
612966	129662	300	115	65



767 1/2 S FLAT RASP, HALF SMOOTH

material: high carbon - content steel
hardness: 50 - 55HRc



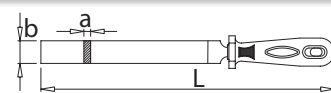
DIN 7623

Code	EAN	Dim.	a x b	
612967	129679	200	5 x 20	180
612968	129686	250	7 x 26	320
612969	129693	300	8 x 30	480



767H 1/2 S FLAT RASP WITH HANDLE, HALF SMOOTH

material: high carbon - content steel
hardness: 50 - 55HRc



DIN 7623

Code	EAN	Dim.	L	a x b	
613038	130385	200	325	5 x 20	245
613039	130392	250	375	7 x 26	385
613040	130408	300	425	8 x 30	545



768 1/2 S HALF-ROUND RASP, HALF SMOOTH

material: high carbon - content steel
hardness: 50 - 55HRc



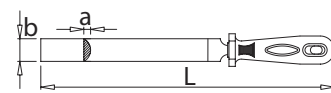
DIN 7623

Code	EAN	Dim.	a x b	
612970	129709	200	7 x 21	150
612971	129716	250	8 x 24	260
612972	129723	300	9 x 28	425



768H 1/2 S HALF-ROUND RASP WITH HANDLE, HALF SMOOTH

material: high carbon - content steel
hardness: 50 - 55HRc



DIN 7623

Code	EAN	Dim.	L	a x b	
613041	130415	200	325	7 x 21	215
613042	130422	250	375	8 x 24	325
613043	130439	300	425	9 x 28	490

769 1/2 S ROUND RASP, HALF SMOOTH

material: high carbon - content steel
hardness: 50 - 55HRC

DIN 7623

Code	EAN	Dim.	D	Weight
612973	129730	200	8	77
612974	129747	250	10	130
612975	129754	300	12	230

769H 1/2 S ROUND RASP WITH HANDLE, HALF SMOOTH

material: high carbon - content steel
hardness: 50 - 55HRC

DIN 7623

Code	EAN	Dim.	L	D	Weight
613044	130446	200	325	8	142
613045	130453	250	375	10	195
613046	130460	300	425	12	295

777 A FLAT SCRAPER

material: alloy tool steel
blade ground, shank blue laquered
wooden handle

Code	EAN	Dim.	a x b	L	Weight
612227	122274	150	5 x 20	255	140
612228	122281	200	5 x 20	325	170
612229	122298	250	6 x 20	370	300

777 B SPOON SCRAPER

material: alloy tool steel
blade ground, shank blue laquered
wooden handle

Code	EAN	Dim.	A	L	Weight
612230	122304	150	8	255	100
612231	122311	200	8	325	130
612232	122328	250	8	370	160

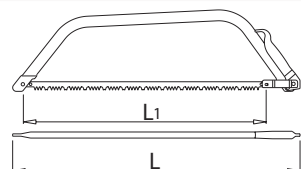
777 C TRIANGULAR SPOON SCRAPER

material: alloy tool steel
blade ground, shank blue laquered
wooden handle

Code	EAN	Dim.	A	L	Weight
612233	122335	150	8	255	120
612234	122342	200	8	325	140
612235	122359	250	8	370	180


755 BOW SAW

material: blade C75 steel
handle steel 12.03



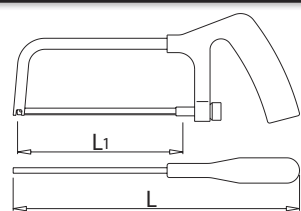
Code	EAN	L1	L	L1"	Weight
612236	122366	610	700	24"	440
609407	094076	762	850	30"	660
609408	094083	914	1000	36"	880

755.1 SPARE BLADE FOR 755

Code	EAN	L1	L1"
612237	122373	610	24"
609409	094090	762	30"
609410	094106	914	36"


753 P SAW

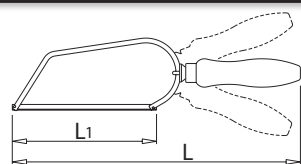
plastic handle
replaceable blade



Code	EAN	L1	L	Weight
612164	121642	150	260	105


753 W SAW

wooden handle
adjustable handle
replaceable blade

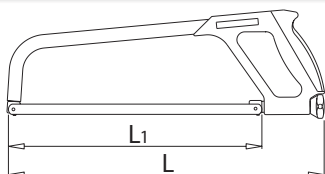


Code	EAN	L1	L	Weight
612163	121635	150	305	122



750/1 HACKSAW FRAME

light compact with ergonomically designed handle
three blade position
blade storage in the frame
frame chrome plated, handle blue lacquered
art. 750/1 with one blade
art. 750/6 with 6 blades

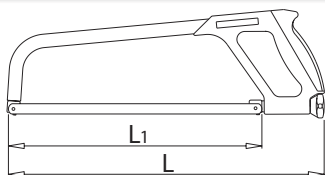


Code	EAN	L	L1	L1	
601890	018904	407	310	12"	780



750/6 SAW

light compact with ergonomically designed handle
three blade position
blade storage in the frame
frame chrome plated, handle blue lacquered
art. 750/1 with one blade
art. 750/6 with 6 blades



Code	EAN	L	L1	L1	
601891	018911	407	310	12"	800



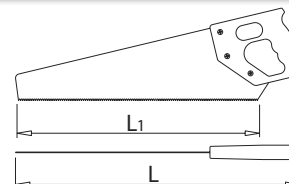
750.1 A SPARE BLADE FOR HACKSAW Art. 750

Code	EAN	L1	L1	
610955	109558	300	12"	10
610956	109565	300	12"	20



757 HAND SAW

material: blade C75 steel
handle polystyrene

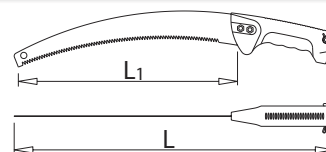


Code	EAN	L1	L	
609423	094236	400	493	370



752 PRUNNING SAW

material: blade C75 steel
handle polystyrene

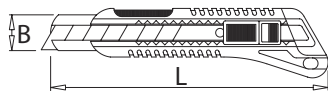


Code	EAN	L1	L	
609424	094243	330	497	190




556 A UTILITY KNIFE

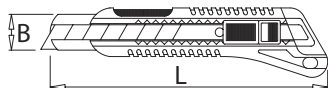
double component handle
3 automatic exchangeable snap-off blades inside
blade has 13 snap-off blades
blade from high alloy carbon steel



Code	EAN	L	B	
616853	168531	160	18	85


556 B UTILITY KNIFE

double component handle
8 automatic exchangeable snap-off blades inside
blade has 13 snap-off blades
blade from high alloy carbon steel



Code	EAN	L	B	
612136	121369	160	18	110


556.1B SET OF 10 SPARE BLADES FOR UTILITY KNIFE 556A AND 556B

blade can only be moved with cutting block forward
when the blade is blunt, it can be snapped off
when the last blade has been used, the remnant of the blade can be removed the pushing cutting block forward; new blade can be inserted wiby pushing cutting block backwards

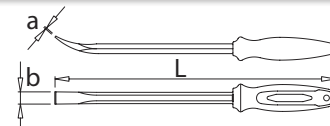
Code	EAN	L	B	
612137	121376	140	18	15


556S42 SET OF UTILITY KNIVES ON CARTON STAND

Code	EAN		
613070	130705	42	4420
Art.		Dim..	
556A		160	21
556B		160	21


300 C TYRE LEVERS

material: chrome vanadium
chrome plated
ergonomic heavy duty double component handle



Code	EAN	L	a x b	
613103	131030	320	1,1 x 13	235
613104	131047	410	1,5 x 15	500
613105	131054	610	1,5 x 21	800


300C CB SET OF TYRE LEVERS WITH HANDLE

Code	EAN	GRT		
613106	131061		3	1700
Art.		Dim..		
300 C			320,410,610	


300 TYRE LEVERS

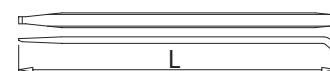
material: chrome vanadium
forged
hardened and tempered
surface finish: zinc plated



Code	EAN	L	
617661	176611	200	107
601755	017556	300	275
601756	017563	400	338
601757	017570	500	524


300 A TYRE LEVERS

material: chrome vanadium
forged
hardened and tempered
surface finish: zinc plated



Code	EAN	L	
601758	017587	537	1030



300 B CARPENTER'S LEVER

material: carbon tool steel
lacquered

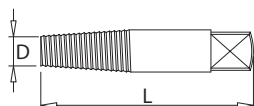


Code	EAN	L	L1		
608815	088150	500	120	18	1165
608816	088167	600	120	18	1370
608817	088174	800	120	18	2175
608821	088211	1000	120	20	2700



778 SCREW EXTRACTOR

for unscrewing ruined screws and thread bolts
without damaging threads
material: chrome vanadium
oil hardened
burnished



Code	EAN	No.	D		L		mm	
616812	168128	1	1.75	3.6	50	M3 - M6	2.5	4
616813	168135	2	2.2	5.0	57	M6 - M8	3.0	8
616814	168142	3	3.3	6.5	64	M8 - M11	4.5	14
616815	168159	4	4.75	8.8	71	M11 - M14	6.0	30
616816	168166	5	6.35	11.0	78	M14 - M18	8.0	52
616817	168173	6	9.50	15.0	85	M18 - M24	11	112
616818	168180	7	12.70	19.0	92	M24 - M33	13.5	190
616819	168197	8	17.50	24.0	100	M33 - M45	18.5	320



778PB SCREW EXTRACTORS SET

Code	EAN	GRT		
616820	168203	1-5	5	111

Art. Dim..
778 1,2,3,4,5

Code	EAN	GRT		
616821	168210	1-6	6	221

Art. Dim..
778 1,2,3,4,5,6

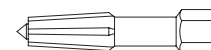
Code	EAN	GRT		
616822	168227	1-8	8	717

Art. Dim..
778 1,2,3,4,5,6,7,8



778 A DOUBLE-EDGED SCREW EXTRACTOR

for unscrewing ruined screws and thread bolts
without damaging threads
Applicable for both right- and left-hand threads
Extractor being driven into the bore hole for firm
and safe hold
With centre punch pin
Non-slip and double-edged engagement with the
screw or bolt to be removed
material: chrome vanadium
oil hardened
burnished
Cutting edges polished



Code	EAN	No.		mm	mm	
616823	168234	1	6.35 (1/4")	M5 - M6	3.2 - 4.8	8
616824	168241	2	9.5 (3/8)	M8 - M10	4.8 - 7.1	18
616825	168258	3	12.7 (1/2")	M10 - M12	6.4 - 9.5	35
616826	168265	4	15.9 (5/8")	M12 - M16	8.7 - 12.7	57
616827	168272	5	19.0 (3/4")	M16 - M20	11.1 - 15.9	87
616828	168289	6	22.0 (7/8")	M20 - M24	14.0 - 19.1	130
616829	168296	7	25.4 (1")	M24 - M33	19.1 - 23.8	203



778APB DOUBLE-EDGED SCREW EXTRACTORS SET

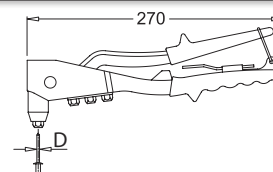
Code	EAN	GRT		
616830	168302	1-5	5	230

Art. Dim..
778 1,2,3,4,5



1300 HAND RIVETER

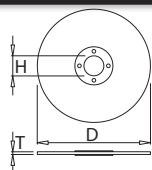
material: frame from aluminium alloy, lever
handle from special composition steel
handle: ergonomic shape
spring for reopening
completed with 4 nose pieces for setting blind
rivets upto 4,8 mm or 3/16"
with wrench for the range of nose-pieces



Code	EAN	D1	D2	D3	D4	
615454	154541	2.4 (3/32")	3.2 (1/8")	4.0 (5/32")	4.8 (3/16")	565


1200/1 FLAT CUTTING-OFF WHEELS, FOR STEEL

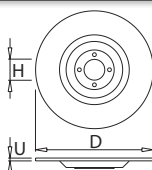
Side reinforced flat cut-off wheels for offhand cutting on angle grinders for operating speed 80m/s, furnished with one metal hole insert. Cut-off wheel meet OSA requirements to European standard EN 12413 (side grinding is not allowed) characteristic of material: A30S1BF



Code	EAN	D	T	H	
610484	104843	115	3	22	72
610485	104850	125	3	22	87
610486	104867	180	3	22	160
610487	104874	230	3	22	282


1200/2 DEPRESSED CENTER CUTTING-OFF WHEELS, FOR STEEL

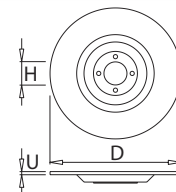
Side reinforced depressed cut-off wheels for offhand cutting on angle grinders for operating speed 80m/s, furnished with one metal hole insert. Cut-off wheel meet OSA requirements to European standard EN 12413 (side grinding is not allowed) characteristic of material: A30S1BF



Code	EAN	D	U	H	
610488	104881	115	3	22	65
610489	104898	125	3	22	88
610490	104904	180	3	22	155
610491	104911	230	3	22	257


1202/2 DEPRESSED CENTER GRINDING WHEELS, FOR STEEL

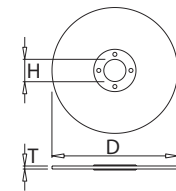
Reinforced depressed centre grinding wheels for offhand grinding on angle grinders for operating speed 80 m/s, furnished with two metal hole insert.; Suitable for grinding in inaccessible places The optimum operating angle between the material and the depressed centre grinding wheel is 20° to 35°. Cut-off wheel meet OSA requirements to European standard EN 12413 characteristic of material: A30S1BF



Code	EAN	D	U	H	
610492	104928	115	4	22	90
610493	104935	115	6	22	147
610494	104942	125	6	22	162
610495	104959	125	8	22	235
610496	104966	180	6	22	334
610497	104973	180	8	22	476
610498	104980	180	10	22	558
610499	104997	230	6	22	554
610500	105000	230	8	22	743


1210 FLAT CUTTING-OFF WHEELS, FOR STEEL

Side reinforced flat cut-off wheels in resin bond for manual cutting on stationary machines with operating speed 80m/s, furnished with one metal hole insert.; Thin cut-off wheel meet requirements of european standard pr EN 12413 and their production is approved by Safety Certificates DSA 1819 (side grinding is not allowed) Thin cut-off wheels are manufactured in specifications for universal steel cast iron and non ferrous metals.; characteristic of material: A46S8F



Code	EAN	D	T	H	
610518	105185	115	1	22	24
610519	105192	115	1,6	22	39
610520	105208	125	1	22	31
610521	105215	125	1,6	22	50
610522	105222	180	1,6	22	91
610523	105239	230	1,6	22	150

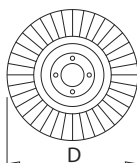


1216 FLAP DISC

Flap disc are to be used at the operating peripheral speed 80m/s.

Production is approved by Safety.

Application: coarse and fine grinding of brakes, edge grinding and removal of jagged edges, removal of dyes, cleaning of cast iron products, surface grinding
Field of use: aluminium, soft materials, steel, plastic, wood, alloyed steel, non-iron alloys



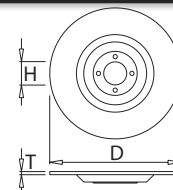
Code	EAN	D	Z	
610539	105390	115	40	75
610540	105406	115	60	70
610541	105413	115	80	65
610542	105420	115	100	60
610543	105437	115	120	60
610544	105444	125	40	90
610545	105451	125	60	80
610546	105468	125	80	70
610547	105475	125	100	65
610548	105482	125	120	65
610549	105499	180	40	180
610550	105505	180	60	160
610551	105512	180	80	150
610552	105529	180	100	145
610553	105536	180	120	145



1205/2 DEPRESSED CENTER CUTTING-OFF WHEELS, FOR STONE

Side reinforced depressed cut-off wheels for offhand cutting on angle grinders for operating speed 80 m/s, furnished with one metal hole insert.

Cut-off wheel meet OSA requirements to European standard EN 12413 (side grinding is not allowed)
characteristic of material: C30P3BF



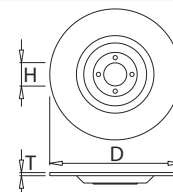
Code	EAN	D	T	H	
610505	105055	115	3	22	60
610506	105062	125	3	22	80
610507	105079	180	3	22	150
610508	105086	230	3	22	247



1207/2 DEPRESSED CENTER GRINDING WHEELS, FOR STONE

Reinforced depressed centre grinding wheels for offhand grinding on angle grinders for operating speed 80 m/s, furnished with two metal hole insert.

Suitable for grinding in inaccessible places
The optimum operating angle between the material and the depressed centre grinding wheel is 20° to 35°; Cut-off wheel meet OSA requirements to European standard EN 12413
characteristic of material: C30P4BF



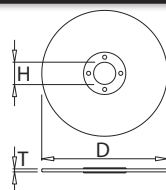
Code	EAN	D	T	H	
610509	105093	115	4	22	83
610510	105109	115	6	22	125
610511	105116	125	6	22	147
610512	105123	125	8	22	207
610513	105130	180	6	22	324
610514	105147	180	8	22	426
610515	105154	180	10	22	538
610516	105161	230	6	22	498
610517	105178	230	8	22	743



1205/1 FLAT CUTTING-OFF WHEELS, FOR STONE

Side reinforced depressed cut-off wheels for offhand cutting on angle grinders for operating speed 80 m/s, furnished with one metal hole insert.

Cut-off wheel meet OSA requirements to European standard EN 12413 (side grinding is not allowed)
characteristic of material: C30P3BF



Code	EAN	D	T	H	
610501	105017	115	3	22	68
610502	105024	125	3	22	81
610503	105031	180	3	22	150
610504	105048	230	3	22	247

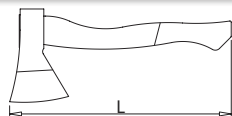

300E TWOCROW BARS

material: special composition for hardening and tempering forged and oil hadened lacquered

Code	EAN	kg	L	
617782	177823	4	700	4000
617783	177830	5	800	5000
617784	177847	6	900	6000
617785	177854	8	1100	8000
617786	177861	10	1200	10000
617787	177878	12	1300	12000


1310 MASON'S AXE

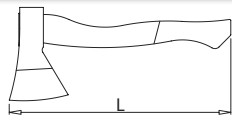
material: special composition for hardening and tempering, forged
hardened
lacquered
ash wooden handle, antislip lacquered



Code	EAN	kg	L	
617740	177403	0,8	380	1000


1311 CAMP AXE

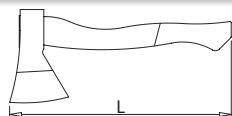
material: special composition for hardening and tempering, forged
hardened
lacquered
ash wooden handle, antislip lacquered



Code	EAN	kg	L	
617752	177526	0,5	340	700


1312 HOME AXE

material: special composition for hardening and tempering, forged
hardened
lacquered
ash wooden handle, antislip lacquered



Code	EAN	kg	L	
617749	177496	0,6	360	800
617750	177502	0,8	380	1000
617751	177519	1,0	400	1200


639 A AWL WITH ROUND STRAIGHT BLADE

Code	EAN	L	
617773	177731	165	10


639 B AWL WITH ROUND, 90° BENT BLADE

Code	EAN	L	
617774	177748	165	10


639 C AWL WITH ROUND, DOUBLE BENT BLADE

Code	EAN	L	
617775	177755	165	10


639 D AWL WITH ROUND, DOUBLE BENT SMALL BLADE

Code	EAN	L	
617776	177762	165	10


639 PB AWL SET

Code	EAN		
617777	177779	set 4 pcs	10