

Wrenches



A special procedure for the manufacture of a combination wrench 24

1. Cutting:

on a machine, flat steel is cut into required shapes; the accuracy of the cut ensures minimal consumption of quality material.

2. Forging:

through forging procedures performed on the renowned LASCO machines, the toughness of combined wrenches is enhanced. By the employment of suitable forging techniques we are able to maintain the appropriate fibre orientation (the same as in the rolled blanks), which is of key importance in products exposed to heavy, dynamic loads (e.g. Unior wrenches).

3. Trimming:

the removal of flash (waste material squirting out of the thin seams between the die covers under the force of the forging hammer) is carried out by a special trimming machine; the weight of the trimmings to be removed in order for the forging to acquire the desired shape always has to be lesser than the weight of the forged part.

4. Perforation:

following the forging and trimming phases, perforations are made in the workpiece by punching or cutting. This procedure can be carried out either on hot or cold workpieces.

5. Burring and grinding:

The wrenches are contour-ground on grinding machines. Using this process, we achieve smooth surfaces on the edges of the wrench. We then smooth out the edges on the forging parts in special drums with the help of mechanical and chemical means.

6. Machine marking and bending:

Depending on the standards, we imprint each product with a suitable mark and also bend the wrench's ring head depending on the requirements.

7. Broaching:

in broaching, material is removed in a single pass by a successive action of a number of cutting blades incorporated in a broach. In the production of Unior wrenches, the internal teeth of the ring are made using a MAE broaching machine.

8. Tempering:

tempering by heating and cooling is designed to improve the grain flow of the steel and thereby increase the toughness of the wrench at the desired points; this heat treatment process grants the Unior wrenches a long lifespan and resistance to high loads and pressure.

9. Sanding:

various abrasive substances are blasted onto the surface of the wrenches by means of compressed air. The abrasives burr the surface, while at the same time imparting to it a certain asperity, important for the subsequent application of a suitable galvanic (protective) coating.

10. Chrome plating and polishing:

wrenches are coated with a thin, solid layer of chrome dioxide to protect them from corrosion, wear and scratches; metal chrome is used in the alloying of steel and metal plate, while also giving the wrench an attractively shiny visual aspect. In certain variants, the head surfaces of the wrench are polished to present a pleasant final appearance.

10 main steps out of 24





Long lifespan

The wrenches are made of high quality chrome-vanadium steel with a greater density at the points of the highest pressure, and such dimensioning and manufacture only increase their extreme power and durability.









Safety cut

With their special safety cut, the wrenches prevent the damaging of corners and edges of the screws and nuts by distributing the force evenly over the surface away from the outer lines of the nut or screw head instead of directly on the edges.



Innovative design

State-of-the art design makes Unior wrenches guarantee an accurate and efficient transfer of force to screw heads and nuts.

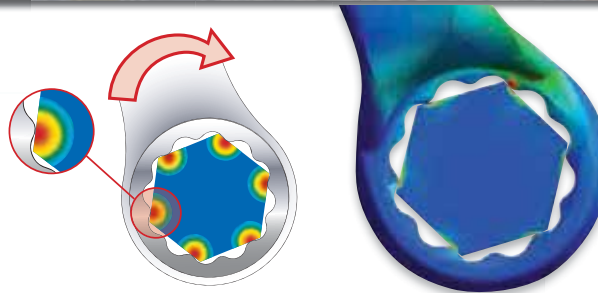
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"LIFE profile"

Main advantages of LIFE profile

- fastens surface screws, screw-nuts in just six points
- protection of screws and screw-nuts edges
- faster position and comfortable work
- suitable also for damaged screws, screw-nuts



1 Open end wrenches

110/1

Open end wrench

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- polished head
- drop forged, entirely hardened and tempered
- made according to standard ISO 10102 (only metric dimension)



		L	B1	B2	A			
603316	4 x 4.5	100	13.6	13.6	3.4	10	A	3,16
603317	4 x 5	100	13.6	13.6	3.4	10	A	3,16
603318	5 x 5.5	100	13.6	13.6	3.4	10	A	3,16
600059	5 x 7	121	14.4	16.4	3.4	15	A	3,62
600060	5.5 x 7	121	14.4	16.4	3.4	15	A	3,62
600061	6 x 7	121	14.4	16.4	3.4	15	A	2,57
600062	7 x 8	140	18.4	22.9	3.7	24	A	2,99
600063	7 x 9	140	18.4	22.9	3.7	25	A	2,99
600064	8 x 9	140	18.4	22.9	3.7	24	A	2,65
600065	8 x 10	140	18.4	22.9	3.7	23	A	3,27
600066	9 x 10	159	22.7	24.2	4.5	43	A	3,32
600067	9 x 11	159	22.7	24.2	4.5	40	A	3,62
600068	10 x 11	159	22.7	24.2	4.5	40	A	3,27
600069	10 x 12	172	26.2	29.2	4.5	58	A	3,87
600070	10 x 13	172	26.2	29.2	4.9	59	A	4,08
600071	10 x 14	172	26.2	29.2	4.9	59	A	4,11
600072	11 x 13	172	26.2	29.2	4.9	58	A	4,08
600074	12 x 13	172	26.2	29.2	4.9	58	A	3,70
600075	12 x 14	172	26.2	29.2	4.9	58	A	4,08
600076	13 x 14	192	31.2	33.2	5.4	81	A	4,11
600077	13 x 15	192	31.2	33.2	5.4	84	A	4,21
603846	13 x 16	192	31.2	33.2	5.4	83	A	4,44
600078	13 x 17	200	31.2	37.7	5.7	101	A	4,44
600079	14 x 15	192	31.2	33.2	5.4	83	A	3,96
600080	14 x 17	200	31.2	37.7	5.7	101	A	4,44
600081	15 x 17	206	35.7	37.7	5.7	108	A	4,96
600082	16 x 17	206	35.7	41.5	5.7	108	A	4,50
603121	16 x 18	213	35.7	41.5	6.2	133	A	5,03
600083	17 x 19	223	39.5	41.5	6.2	143	A	5,08
600084	17 x 22	223	39.5	41.5	6.2	193	A	6,19
600085	18 x 19	223	39.5	41.5	6.2	148	A	5,03
603847	18 x 21	223	39.5	46	6.2	141	A	6,30
600086	19 x 22	232	43.5	46	6.7	183	A	5,94
600087	19 x 24	232	43.5	46	6.7	243	A	6,79
600088	20 x 22	232	43.5	46	6.7	180	A	5,79
600089	21 x 23	249	46	52	7.2	235	A	6,06
600090	22 x 24	249	46	52	7.2	237	A	6,58
600091	22 x 27	249	46	52	7.2	301	A	8,96
600092	24 x 26	265	51.8	55.3	7.7	289	A	7,38
600093	24 x 27	265	53.8	55.3	7.7	289	A	8,38

		L	B1	B2	A			
600094	24 x 30	279	53.8	58.8	8.2	341	A	10,59
600095	25 x 28	279	62.8	58.8	8.2	344	A	8,11
600096	27 x 29	309	62.8	67.3	9.2	535	A	11,53
600097	27 x 30	309	62.8	67.3	9.2	527	A	11,77
600098	27 x 32	309	62.8	67.3	9.2	541	A	10,15
600099	30 x 32	309	62.8	67.3	9.2	532	A	10,99
603848	30 x 34	315	62.8	68.8	9.6	568	C	12,59
602593	30 x 36	319	62.8	78.8	9.6	591	C	19,69
600100	32 x 36	327	68.8	78.8	9.6	653	C	19,75
600101	34 x 36	327	68.8	78.8	9.6	628	C	23,77
600102	36 x 41	360	78.8	86.8	9.6	823	C	25,73
605549	38 x 42	360	78.8	86.8	9.6	822	C	30,00
602594	41 x 46	410	86.8	94.8	14.6	1735	C	37,49
602595	46 x 50	460	94.8	103.9	15.6	2365	C	49,92
605348	1/4" x 5/16"	121	14.4	16.4	3.4	15	A	2,78
618658	1/4" x 9/32"	121	14.4	16.4	3.4	15	A	2,66
605349	5/16" x 3/8"	140	18.4	22.9	3.7	24	A	2,89
618656	11/32" x 13/32"	159	22.7	24.2	4.5	43	A	3,27
605350	3/8" x 7/16"	159	22.7	24.2	4.5	40	A	3,54
605351	7/16" x 1/2"	172	26.3	29.2	4.9	58	A	4,28
605352	1/2" x 9/16"	192	31.2	33.2	5.4	81	A	4,28
605353	9/16" x 5/8"	192	31.2	33.2	5.4	83	A	4,28
605354	5/8" x 11/16"	206	35.7	37.7	5.7	108	A	4,85
605355	11/16" x 3/4"	223	39.5	41.5	6.2	143	A	5,43
618657	3/4" x 13/16"	232	43.5	46	6.7	183	A	6,53
605356	13/16" x 7/8"	249	46	52	7.2	237	A	6,25
605357	15/16" x 1"	265	51.8	55.3	7.7	301	A	8,05
605358	1" x 1.1/8"	279	53.8	58.8	8.2	344	A	8,78
605359	1.1/16" x 1.1/4"	309	62.8	67.3	9.6	527	A	10,90

110/1CB

Set of open end wrenches in carton box



	Nº				
600105	110/1CB	6 - 22 / 8	724	F	31,47
		110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22)			
600106	110/1CB	6 - 32 / 12	2140	F	63,18
		110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32)			
600107	110/1CB	6 - 41 / 13	3982	F	88,90
		110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32, 36 x 41)			
611018	110/1CB	6 - 27 / 10	1250	F	45,91
		110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27)			
605530	110/1CB	1/4" - 3/4" / 8	610	F	32,34
		110/1 (1/4" x 5/16", 5/16" x 3/8", 3/8" x 7/16", 7/16" x 1/2", 1/2" x 9/16", 9/16" x 5/8", 5/8" x 11/16", 11/16" x 3/4")			
605531	110/1CB	1/4" - 1.1/4" / 12	2005	F	66,31
		110/1 (1/4" x 5/16", 5/16" x 3/8", 3/8" x 7/16", 7/16" x 1/2", 1/2" x 9/16", 9/16" x 5/8", 5/8" x 11/16", 11/16" x 3/4", 13/16" x 7/8", 15/16" x 1", 1" x 1.1/8, 1.1/16" x 1.1/4")			
623189	110/1CB	1/4" - 1.1/4" / 10		F	56,78
		110/1 (1/4" x 9/32", 5/16" x 3/8", 11/32" x 13/32", 7/16" x 1/2", 9/16" x 5/8", 11/16" x 3/4", 13/16" x 7/8", 15/16" x 1", 1" x 1.1/8, 1.1/16" x 1.1/4")			

110/1CS

Set of open end wrenches in carton box



Barcode	Nº	Hand	Weight	Volume	Price
602844	110/1CS	6 - 22 / 8	800	E	31,47
110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22)					

110/1CT

Set of open end wrenches in bag



Barcode	Nº	Hand	Weight	Volume	Price
615465	110/1CT	6 - 22 / 8	788	E	45,52
110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22), CT110 (430 x 275)					

CT110

Empty bag

- Dimension 430 x 275, for article 110 in 125
- velcro fastening is used for easy opening and closing
- strap is not required



Barcode	A	B	Weight	Volume	Price
615480	430	275	117	E	16,56

110/1PB

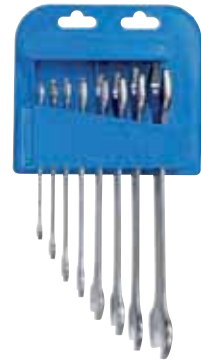
Set of open end wrenches in plastic wallet



Barcode	Nº	Hand	Weight	Volume	Price
600108	110/1PB	6 - 17 / 6	378	E	20,65
110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17)					
600109	110/1PB	6 - 22 / 8	747	E	31,47
110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22)					

110/1PH

Set of open end wrenches on plastic hanger



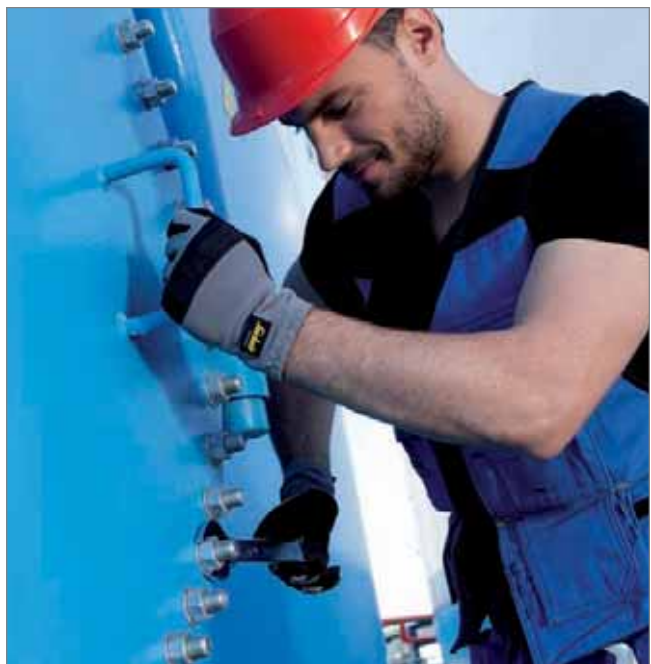
Barcode	Nº	Hand	Weight	Volume	Price
610835	110/1PH	6 - 22 / 8	885	F	33,03
110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22)					

110/1MS

Set of open end wrenches on metal stand



Barcode	Nº	Hand	Weight	Volume	Price
605528	110/1MS	6 - 32 / 12	2740	F	74,45
110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), 977/1 (6 - 32/12)					
605532	110/1MS	1/4" - 1.1/4" / 12	2642	F	77,59
110/1 (1/4" x 5/16", 5/16" x 3/8", 3/8" x 7/16", 7/16" x 1/2", 1/2" x 9/16", 9/16" x 5/8", 5/8" x 11/16", 11/16" x 3/4", 13/16" x 7/8", 15/16" x 1", 1" x 1.1/8", 1.1/16" x 1.1/4"), 977/1 (6 - 32/12)					

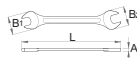


1 Open end wrenches

110/2

Open end wrench

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered
- made according to standard ISO 10102 (only metric dimension)



			L	B1	B2	A			
603319	⌚	4 x 4.5	100	13.6	13.6	3.4	10	A	3,03
600110	⌚	4 x 5	100	13.6	13.6	3.4	10	A	3,03
603320	⌚	5 x 5.5	100	13.6	13.6	3.4	10	A	3,03
600111	⌚	5 x 7	121	14.4	16.4	3.4	15	A	3,46
600112	⌚	5.5 x 7	121	14.4	16.4	3.4	15	A	3,46
600113	⌚	6 x 7	121	14.4	16.4	3.4	15	A	2,49
600114	⌚	7 x 8	140	18.4	22.9	3.7	24	A	2,89
600115	⌚	7 x 9	140	18.4	22.9	3.7	25	A	2,89
600116	⌚	8 x 9	140	18.4	22.9	3.7	24	A	2,60
600117	⌚	8 x 10	140	18.4	22.9	3.7	23	A	3,07
600118	⌚	9 x 10	159	22.7	24.2	4.5	43	A	3,14
600119	⌚	9 x 11	159	22.7	24.2	4.5	40	A	3,46
600120	⌚	10 x 11	159	22.7	24.2	4.5	40	A	3,09
600121	⌚	10 x 12	172	26.2	29.2	4.5	58	A	3,74
600122	⌚	10 x 13	172	26.2	29.2	4.9	59	A	3,92
600123	⌚	10 x 14	172	26.2	29.2	4.9	59	A	3,96
600124	⌚	11 x 13	172	26.2	29.2	4.9	58	A	3,92
600126	⌚	12 x 13	172	26.2	29.2	4.9	58	A	3,53
600127	⌚	12 x 14	172	26.2	29.2	4.9	58	A	3,92
600128	⌚	13 x 14	192	31.2	33.2	5.4	81	A	3,96
600129	⌚	13 x 15	192	31.2	33.2	5.4	84	A	4,06
603849	⌚	13 x 16	192	31.2	33.2	5.4	83	A	4,24
600130	⌚	13 x 17	200	31.2	37.7	5.7	101	A	4,24
600131	⌚	14 x 15	192	31.2	33.2	5.4	83	A	3,80
600132	⌚	14 x 17	200	31.2	37.7	5.7	101	A	4,24
600133	⌚	15 x 17	206	35.7	37.7	5.7	108	A	4,76
600134	⌚	16 x 17	206	35.7	41.5	5.7	108	A	4,29
603122	⌚	16 x 18	213	35.7	41.5	6.2	133	A	4,84
600135	⌚	17 x 19	223	39.5	41.5	6.2	143	A	4,90
600136	⌚	17 x 22	223	39.5	41.5	6.2	193	A	5,80
600137	⌚	18 x 19	223	39.5	41.5	6.2	148	A	4,85
603850	⌚	18 x 21	223	39.5	46	6.2	141	A	6,02
600138	⌚	19 x 22	232	43.5	46	6.7	183	A	5,77
600139	⌚	19 x 24	232	43.5	46	6.7	243	A	6,53
600140	⌚	20 x 22	232	43.5	46	6.7	180	A	5,56
600141	⌚	21 x 23	249	46	52	7.2	235	A	5,81
600142	⌚	22 x 24	249	46	52	7.2	237	A	6,10
600143	⌚	22 x 27	249	46	52	7.2	301	A	8,63
600144	⌚	24 x 26	265	51.8	55.3	7.7	289	A	7,05
600145	⌚	24 x 27	265	53.8	55.3	7.7	289	A	7,98
600146	⌚	24 x 30	279	53.8	58.8	8.2	341	A	10,13



			L	B1	B2	A			
600147	⌚	25 x 28	279	62.8	58.8	8.2	344	A	7,71
600148	⌚	27 x 29	309	62.8	67.3	9.2	535	A	11,05
600149	⌚	27 x 30	309	62.8	67.3	9.2	527	A	11,30
600150	⌚	27 x 32	309	62.8	67.3	9.2	541	A	9,62
600151	⌚	30 x 32	309	62.8	67.3	9.2	532	A	10,59
603851	⌚	30 x 34	315	62.8	68.8	9.6	551	C	12,03
602596	⌚	30 x 36	319	62.8	78.8	9.6	604	C	18,83
600152	⌚	32 x 36	327	68.8	78.8	9.6	635	C	18,89
600153	⌚	34 x 36	327	68.8	78.8	9.6	629	C	22,74
600154	⌚	36 x 41	360	78.8	86.8	9.6	801	C	24,56
605550	⌚	38 x 42	360	78.8	86.8	9.6	826	C	28,69
602597	⌚	41 x 46	410	86.8	94.8	14.6	1720	C	34,10
602598	⌚	46 x 50	460	94.8	103.89	15.6	2510	C	47,72
605458	⌚	1/4" x 5/16"	121	14.4	16.4	3.4	15	A	2,66
605459	⌚	5/16" x 3/8"	140	18.4	22.9	3.7	24	A	2,66
605460	⌚	3/8" x 7/16"	159	22.7	24.2	4.5	40	A	3,43
605461	⌚	7/16" x 1/2"	172	26.3	29.2	4.9	58	A	4,13
605462	⌚	1/2" x 9/16"	192	31.2	33.2	5.4	81	A	4,13
605463	⌚	9/16" x 5/8"	192	31.2	33.2	5.4	83	A	4,48
605464	⌚	5/8" x 11/16"	206	35.7	37.7	5.7	108	A	4,67
605465	⌚	11/16" x 3/4"	223	39.5	41.5	6.2	143	A	5,19
605466	⌚	13/16" x 7/8"	249	46	52	7.2	237	A	5,96
605467	⌚	15/16" x 1"	265	51.8	55.3	7.7	301	A	7,65
605468	⌚	1" x 1.1/8"	279	53.8	58.8	8.2	344	A	8,43
605469	⌚	1.1/16" x 1.1/4"	309	62.8	67.3	9.6	527	A	10,41

110/2CB

Set of open end wrenches in carton box



	Nº				
600155	110/2CB	⌚	6 - 22 / 8	725	F 30,21
		⌚	110/2 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22)		
600156	110/2CB	⌚	6 - 32 / 12	2165	F 60,40
		⌚	110/2 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32)		
600158	110/2CB	⌚	6 - 41 / 13	3005	F 84,96
		⌚	110/2 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32, 36 x 41)		
603345	110/2CB	⌚	6 - 27 / 10	1265	F 44,00
		⌚	110/2 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27)		
605533	110/2CB	⌚	1/4" - 3/4" / 8	600	F 31,35
		⌚	110/2 (1/4" x 5/16", 5/16" x 3/8", 3/8" x 7/16", 7/16" x 1/2", 1/2" x 9/16", 9/16" x 5/8", 5/8" x 11/16", 11/16" x 3/4")		
605534	110/2CB	⌚	1/4" - 1.1/4" / 12	1995	F 63,79
		⌚	110/2 (1/4" x 5/16", 5/16" x 3/8", 3/8" x 7/16", 7/16" x 1/2", 1/2" x 9/16", 9/16" x 5/8", 5/8" x 11/16", 11/16" x 3/4", 13/16" x 7/8", 15/16" x 1", 1" x 1.1/8", 1.1/16" x 1.1/4")		



110/2CS

Set of open end wrenches in carton box



Barcode	Nº	Icon 1	Icon 2	Icon 3	Icon 4	Icon 5
602846	110/2CS	⌚	6 - 22 / 8	790	📦	30,21
🔑 110/2 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22)						

110/2CT

Set of open end wrenches in bag



Barcode	Nº	Icon 1	Icon 2	Icon 3	Icon 4	Icon 5
615466	110/2CT	⌚	6 - 22 / 8	791	📦	44,84
🔑 110/2 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22), CT110 (430 x 275)						

110/2PB

Set of open end wrenches in plastic wallet



Barcode	Nº	Icon 1	Icon 2	Icon 3	Icon 4	Icon 5
600159	110/2PB	⌚	6 - 17 / 6	391	📦	19,80
🔑 110/2 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17)						
600160	110/2PB	⌚	6 - 22 / 8	728	📦	30,21
🔑 110/2 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22)						

110/2PH

Set of open end wrenches on plastic hanger



Barcode	Nº	Icon 1	Icon 2	Icon 3	Icon 4	Icon 5
610836	110/2PH	⌚	6 - 22 / 8	890	📦	31,84
🔑 110/2 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22)						

110/2MS

Set of open end wrenches on metal stand



Barcode	Nº	Icon 1	Icon 2	Icon 3	Icon 4	Icon 5
605529	110/2MS	⌚	6 - 32 / 12	2750	📦	72,12
🔑 110/2 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), 977/1 (6 - 32/12)						
605535	110/2MS	⌚	1/4" - 1.1/4" / 12	2650	📦	75,52
🔑 110/2 (1/4" x 5/16", 5/16" x 3/8", 3/8" x 7/16", 7/16" x 1/2", 1/2" x 9/16", 9/16" x 5/8", 5/8" x 11/16", 11/16" x 3/4", 13/16" x 7/8", 15/16" x 1", 1" x 1.1/8", 1.1/16" x 1.1/4"), 977/1 (6 - 32/12)						



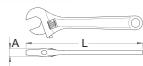


1 Open end wrenches

250/1

Adjustable wrench

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- polished head
- with scale
- drop forged, entirely hardened and tempered
- made according to standard ISO 6787

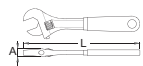


Barcode	Key	L	A	Head	Weight	Box	Price
611917	100	110	9.8	17	61	A	16,36
611918	150	155.5	11.7	23	133	A	17,55
601016	200	205	14.4	28	243	A	19,93
601017	250	254	16.9	32	439	A	24,70
601018	300	303.5	19.1	38	702	C	33,40
601019	380	375	23.8	50	1315	C	59,78
605113	450	458.5	26.3	60	1730	C	94,25
615148	600	608	29.7	70	3240	C	201,24

250/1ADP

Adjustable wrench

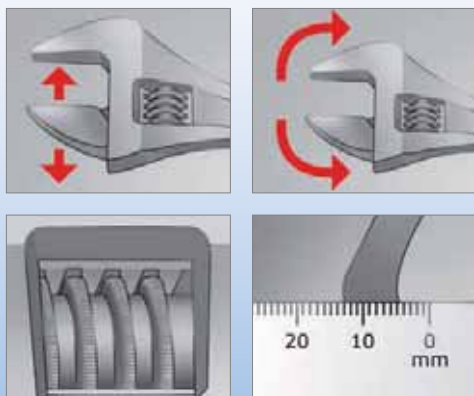
- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- polished head
- with scale
- double plastic dipped handles
- made according to standard ISO 6787



Barcode	Key	L	A	Head	Weight	Box	Price
617246	200	205	14.8	28	280	A	23,14
617247	250	254	17	32	490	A	26,96
617248	300	304	20	38	785	C	35,11
617249	380	381	25.5	50	1395	C	64,00

FEATURES OF

250/1, 250/1ADP, 251/4



250.1/1

Spare parts for adjustable wrench 250/1, 250/1ADP

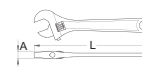


Barcode	Key	Weight	Box	Price
611978	100	16	E	3,16
611979	150	30	E	3,38
602070	200	55	E	3,75
602071	250	95	E	4,63
602072	300	123	E	5,58
602073	380	224	E	6,94
602069	450	320	E	11,66
615149	600	511	E	21,09

251/4

Adjustable wrench

- material: chrome vanadium
- surface finish: phosphated to standard DIN 12476
- left turning
- with scale
- drop forged, entirely hardened and tempered
- made according to standard ISO 6787



Barcode	Key	L	A	Head	Weight	Box	Price
612870	150	155.7	11.7	20	137	A	17,00
612871	200	204.3	14.4	25	257	A	19,27
612872	250	254	16.9	30	447	A	23,88
612873	300	303.5	19.1	36	700	C	32,28

112/2

Open end wrench

- material: special tool steel
- surface finish: chrome plated according to EN12540
- made according to standard DIN 895
- drop forged, entirely hardened and tempered

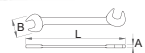


Barcode	Size	L	B1	B2	A1	A2	Weight	Material	Price
602081	6 x 7	97	15	17	3	3.2	11	A	1,46
602082	8 x 10	115	18	22	4.2	4.2	20	A	1,50
613222	10 x 11	122	23	24.5	5	5	35	A	1,65
605045	10 x 12	128	22	28	5	5	37	A	1,65
603611	10 x 13	137	26	28.5	5.2	5.2	43	A	1,65
602083	11 x 13	132	26	28.5	5	5.4	41	A	1,65
602084	12 x 14	146	28	32	5.5	5.5	52	A	1,78
612773	13 x 14	146	28	32	5.5	5.5	43	A	1,95
602085	13 x 15	152	28	32	6	6	63	A	1,96
603134	13 x 17	158	30	35	6.5	6.5	65	A	2,00
612774	14 x 15	137	26	28.5	5.4	5.4	51	A	2,05
602086	14 x 17	158	30	35	6.5	6.5	62	A	2,08
602087	17 x 19	170	35	40	7	7	94	A	2,69
602088	19 x 22	197	42	48	8	8	138	A	3,25
605921	21 x 23	217	46	51	9	9	187	A	3,96

114/2

Small double open ended wrench ELECTRIC

- material: special tool steel
- surface finish: chrome plated according to EN12540
- entirely hardened and tempered



Barcode	Size	L	B	A	Weight	Material	Price
618623	3.2	75	10	2	2	A	2,57
618624	3.5	75	10	2	2	A	2,57
618625	4	75	10.5	2	2	A	2,57
618626	4.5	75	10.5	2	2	A	2,57
618627	5	85	12	2	4	A	2,82
618628	5.5	85	12.2	2	4	A	2,82
618629	6	85	12.5	2	4	A	2,82
618630	7	95	14.5	2	6	A	3,06
618631	8	95	16.5	2	7	A	3,06
618632	9	110	19	3	17	A	3,49
618633	10	110	21	3	18	A	3,49
618634	11	110	23.5	3	20	A	3,49
618635	12	125	24	3	30	A	4,23
618636	13	125	27.5	3	33	A	4,23
618637	14	125	28	3	33	A	4,23
618638	15	135	30	3	38	A	4,91
618639	16	135	32	3	39	A	4,91
618640	17	135	34	3	41	A	4,91
618641	7/32"	85	12.2	2	4	A	2,82
618643	9/32"	95	14.5	2	6	A	3,06
618642	11/32"	110	19	3	17	A	3,49

114/2PB

Set of small double open ended wrenches ELECTRIC

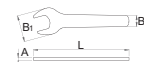


Barcode	Nº	Size	Weight	Material	Price
619287	114/2PB	3.2 - 14 / 15	292	E	48,07
114/2 (3.2, 3.5, 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14)					

135/2

Single open end wrench for gas

- surface finish: chrome plated according to EN12540
- material: sheet metal



Barcode	Size	L	B1	B2	A	Weight	Material	Price
600262	27	187	52	22	4	149	A	3,71

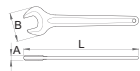


1 Open end wrenches

117/4

Single open end wrench

- material: chrome vanadium
- surface finish: phosphated to standard DIN 12476
- applications: In industry for working on machines, engines and other equipment.
- larger dimensions are useful in shipbuilding, the oil industry and other heavy industries where larger machines and equipment are used
- this wrench is especially suitable for work that requires higher torque and more leverage in difficult to reach areas
- drop forged, entirely hardened and tempered
- made according to standard DIN 894



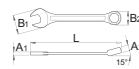
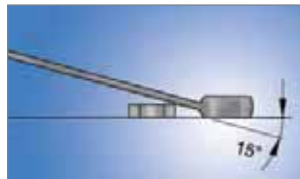
		L	A	B			
615262	10	104	4.5	22	21	A	1,58
620207	12	123	5	26	29	A	1,58
615263	13	132	5.4	28	35	A	1,87
615264	17	157	5.9	36	68	A	1,94
615265	19	170	6.9	40	78	A	2,39
615266	21	195	7.9	46	98	A	2,39
615267	22	195	7.9	46	106	A	2,83
615268	24	218	8.7	50	147	A	3,79
615269	27	240	9.7	56	192	A	4,46
615270	30	265	10.7	62	297	A	5,36
615271	32	275	11.7	66	297	A	5,96
615272	34	275	11.7	70	399	C	7,48
615273	36	295	12.5	74	438	C	8,20
615274	38	295	12.5	74	390	C	9,17
615275	41	335	13.5	84	537	C	9,89
615276	46	365	14.5	94	747	C	12,07
615277	50	400	15.5	102	890	C	14,21
615278	55	475	16	110	1170	C	29,17
615279	60	475	17	120	1365	C	35,77
615280	65	550	18	130	1665	C	49,95
615281	70	550	19	140	1995	C	60,43
615282	75	620	20	150	2995	C	69,59
615283	80	620	21	160	3895	C	83,70
615284	85	665	22	170	3845	C	105,09
615285	90	740	23	190	4795	C	128,57
615286	95	740	23	190	5565	C	163,30
615287	100	800	24	200	6995	C	185,96



120/1

Combination wrench, long type

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- polished head
- ring part with LIFE profile
- drop forged, entirely hardened and tempered
- made according to standard ISO 7738 (only metric dimension)



		L	B2	B1	A2	A1			
600357	6	119	10.4	14.5	5	3.5	14	A	3,69
600358	7	129	11.5	16.5	5.8	3.9	15	A	3,71
600359	8	141	13.2	18.5	6.9	3.9	23	A	3,81
600360	9	152	14.3	21	7.3	4	27	A	4,32
600361	10	163	15.9	23	7.5	4.2	37	A	4,65
600362	11	176	17.8	24.5	8	4.5	45	A	4,89
600363	12	186	19.4	26.5	8.5	4.7	55	A	5,18
600364	13	199	20.4	29.5	8.5	5.2	68	A	5,53
600365	14	210	22	31.5	9	5.2	82	A	5,67
600366	15	222	23.2	33.5	9.5	5.7	96	A	6,10
600367	16	234	24.8	36	10.5	6.2	121	A	6,19
600368	17	245	26.1	38	10.5	6.7	144	A	6,62
600369	18	257	27.7	40	11	7.2	165	A	7,04
600370	19	268	29.3	42	12	7.2	186	A	7,53
600371	20	280	31	44	12.5	7.7	225	A	8,03
600372	21	291	32.6	45.5	13	8.2	251	A	8,57
600373	22	303	34.1	46.5	13	8.2	266	A	9,26
600374	23	314	35.7	50.5	13	8.2	300	A	10,48
600375	24	330	37.3	52.5	14	8.5	382	A	10,81
600376	25	337	39	54.5	14.5	8.5	377	A	12,04
600377	26	349	40.1	56	15	8.5	422	A	12,43
600378	27	360	41.6	57.5	15	9	453	A	13,70
600379	28	373	43.2	59.5	15.5	9	532	A	14,84
600380	29	383	44.9	61.5	16	9.5	567	A	16,01
600381	30	395	46.5	63.5	16	10	632	A	16,95
600382	32	416	49	68	16.5	10.5	719	A	18,29
607019	35	500	53.5	78.8	20	13.6	1405	C	28,35
602601	36	500	53.5	78.8	20	13.6	1415	C	29,99
605838	38	515	58	82.8	20.5	14.1	1310	C	32,41
602602	41	540	62	86.8	21	14.6	2025	C	38,24
618514	46	560	69	94	23	16	2445	C	66,00
618517	50	580	75	103	24	17	1955	C	76,24
618491	1/4"	119	10.4	14.5	5	3.5	14	A	3,69
618492	5/16"	142	13.2	18.5	6.9	3.9	23	A	3,81
618493	3/8"	153	14.3	21	7.3	4	27	A	4,65
618494	7/16"	176	17.8	24.5	8	4.5	45	A	4,89
618495	1/2"	199	20.4	29.5	8.5	5.2	68	A	5,53
618496	9/16"	211	22	31.5	9	5.2	82	A	5,67
618497	5/8"	234	24.8	36	10.5	6.2	121	A	6,19
618498	11/16"	245	26.1	38	10.5	6.7	144	A	7,04
618499	3/4"	268	29.3	42	12	7.2	186	A	7,53
618500	13/16"	291	32.6	45.5	13	8.2	251	A	8,57

		L	B2	B1	A2	A1			
618501	7/8"	303	34.1	46.5	13	8.2	266	A	9,26
618502	15/16"	330	37.3	52.5	14	8.5	382	A	10,81
618503	1"	337	39	54.5	14.5	8.5	377	A	12,04
618504	1.1/16"	360	41.6	57.5	15	9	453	A	13,70
618505	1.1/8"	372	43.2	59.5	15.5	9	532	A	14,84
618506	1.1/4"	417	49	68	16.5	10.5	719	A	16,95
618507	1.5/16"	417	49	68	16.5	10.5	732	C	18,29
618508	1.3/8"	500	53.5	78.8	20	13.6	1425	C	38,91
618509	1.7/16"	500	53.5	78.8	20	13.6	1395	C	38,91
618510	1.1/2"	500	53.5	78.8	20	13.6	1335	C	38,91
618511	1.5/8"	540	62	86.8	21	14.6	1975	C	48,91
618512	1.11/16"	540	62	86.8	21	14.6	1995	C	48,91
618513	1.3/4"	560	69	94	23	16	2435	C	68,55
618515	1.13/16"	560	69	94	23	16	2495	C	68,55
618516	1.7/8"	560	69	94	23	16	2445	C	68,55
618518	2"	580	75	103	24	17	2985	C	77,12

120/1CB

Set of combination wrenches, long type in carton box



	Nº				
600383	120/1CB	6 - 22 / 17	1930	F	100,78
	120/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22)				
600384	120/1CB	6 - 32 / 26	6200	F	226,32
	120/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32)				
611019	120/1CB	8 - 22 / 10	1105	F	59,24
	120/1 (8, 10, 11, 12, 13, 14, 15, 17, 19, 22)				
611020	120/1CB	10 - 30 / 12	2611	F	96,89
	120/1 (10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30)				
619397	120/1CB	1/4" - 3/4" / 9	777	F	49,01
	120/1 (1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4")				
619398	120/1CB	1/4" - 1.1/4" / 16	3720	F	135,18
	120/1 (1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1.1/16", 1.1/8", 1.1/4")				

120/1CS

Set of combination wrenches, long type in carton box



	Nº				
603709	120/1CS	8 - 19 / 8	770	G	43,31
	120/1 (8, 9, 10, 12, 13, 14, 17, 19)				

120/1CT

Set of combination wrenches, long type in bag



	Nº				
615475	120/1CT	8 - 22 / 8	1050	E	65,35
	120/1 (8, 10, 11, 13, 15, 17, 19, 22), CT129 (470 x 330)				

120/1MS

Set of combination wrenches, long type on metal stand



	Nº				
605537	120/1MS	6 - 22 / 17	2765	F	112,05
	120/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22), 977/2 (6 - 22/17)				

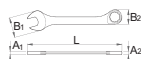


1 Ratchet wrenches

160/2

Forged combination ratchet wrench

- material: chrome vanadium
- drop forged, entirely hardened and tempered
- 72 - teeth, 5° working angle
- ratchet: works both way, screw direction can be changed with button



			L	B2	B1	A2	A1			
622818	8	134	17,1	16,7	8,4	4,7	40	A		10,30
622819	9	158	21	21	8,4	5,5	55	A		10,53
622820	10	158	21	21	8,4	5,5	60	A		10,53
622821	11	164	22,6	23	9,7	6	70	A		10,90
622822	12	167	23,8	25	9,7	6,2	80	A		11,70
622823	13	177	24,9	27,5	9,7	6,0	96	A		12,30
622824	14	189	27	29	10,1	7	125	A		13,13
622825	15	198	28,1	31,5	11,7	7,2	150	A		14,12
622826	16	204	29,9	33	11,7	7,5	165	A		14,95
622827	17	224	31,9	34,9	11,7	8	183	A		15,95
622828	18	245	34,4	38,9	12	8,8	210	A		17,61
622829	19	245	34,4	38,9	19	12	230	A		18,44
622831	21	280	45,7	42,6	14,2	9,5	358	A		24,26
622832	22	280	45,7	42,6	14,2	9,5	378	A		23,36
622834	24	310	51,7	46,5	14,7	10	480	A		27,69

160/2CB

Set of forged combination ratchet wrenches in carton box



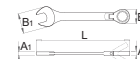
	Nº				
623080	160/2CB	8 - 24 / 9	2000	F	146,29
160/2 (8, 10, 13, 16, 17, 18, 19, 22, 24)					



161/2

Flexible forged combination ratchet wrench

- material: chrome vanadium
- drop forged, entirely hardened and tempered
- 72 - teeth, 5° working angle
- ratchet: works both way, screw direction can be changed with button



		L	B2	B1	A2	A1			
622839	8	136	17,4	16,9	8,4	4,9	50	A	14,29
622841	10	160	20,9	20,8	8,4	3,8	72	A	15,12
622842	11	177,5	23,4	25,1	9,7	6,2	95	A	15,12
622843	12	177,5	23,4	25,1	9,7	6,2	95	A	16,45
622844	13	187,3	24,9	27,2	9,7	6,4	124	A	17,11
622845	14	194,7	27,4	29,3	10,1	7	144	A	17,61
622846	15	218	30,4	33	11,7	7,4	207	A	19,44
622848	17	234,8	31,9	35,2	11,7	8,2	236	A	21,43
622850	19	251,3	34,5	39,4	12	9	280	A	23,10

161/2CB

Set of flexible forged combination ratchet wrenches in carton box



	Nº				
623081	161/2CB	8 - 19 / 5	1360	F	140,70
161/2 (8, 10, 13, 17, 19)					

CT252

Empty bag

- for article 160,161,170,171,183

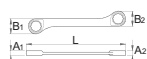


	A	B			
615155	360	290	98	E	14,54

170/2

Forged ratchet ring wrench

- material: chrome vanadium
- drop forged, entirely hardened and tempered
- 72 - teeth, 5° working angle
- ratchet: works both way, screw direction can be changed with button



Barcode	Hex	L	B2	B1	A2	A1	Weight	Case	Price
622851	6 x 8	114,2	17,4	17,4	8,4	8,4	40	A	17,61
622852	8 x 9	130,4	20,9	17,4	8,4	8,4	55	A	17,61
622853	8 x 10	130,4	20,9	17,4	8,4	8,4	55	A	17,61
622854	10 x 11	144,4	22,9	20,9	9,7	8,4	72	A	17,78
622856	12 x 13	166	24,9	23,4	9,7	9,7	97	A	19,11
622857	14 x 15	181,4	30,4	27,4	11,7	10,1	142	A	21,77
622858	16 x 18	205,9	33,9	30,4	12	11,7	198	A	24,42
622859	17 x 19	224,4	34,4	31,9	12	11,7	211	A	25,09

170/2CB

Set of forged ratchet ring wrenches in carton box

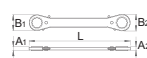


Barcode	Nº	Hand	Weight	Case	Price
623082	170/2CB	6 - 19 / 6	800	F	119,41
170/2 (6 x 8, 10 x 11, 12 x 13, 14 x 15, 16 x 18, 17 x 19)					

165

Ratchet ring wrench

- material: ratchet: chrome vanadium
- body: sheet metal, finish: chrome plated
- the casing on the wrenches is made from plastic
- entirely hardened and tempered
- minimum turn of angle for 20°



Barcode	Hex	L	B1	B2	A1	A2	Weight	Case	Price
611633	6 x 7	116,2	20,1	20,1	11,2	11,2	60	A	8,27
611634	7 x 8	136,3	20,8	23,3	11	11	77	A	8,66
611635	8 x 9	136,3	20,8	23,3	11	11	70	A	8,66
611636	8 x 10	136,3	20,8	23,3	11	11	68	A	8,85

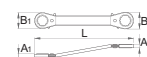


Barcode	Hex	L	B1	B2	A1	A2	Weight	Case	Price
611637	10 x 11	143,8	23,5	26,5	11,1	11,1	77	A	9,05
611638	12 x 13	175	30,1	32,1	13	13,4	156	A	13,28
611639	12 x 14	175	30,1	32,1	13	13,4	156	A	13,28
618769	1/4" x 5/16"	116	20,1	20,1	11,2	11,2	60	A	8,27
618770	3/8" x 7/16"	144	23,5	26,5	11,4	11,1	77	A	9,05
618771	1/2" x 9/16"	175	30,1	32,1	12,8	12,9	156	A	13,28

166

Offset ratchet ring wrench

- material: ratchet: chrome vanadium
- body: sheet metal, finish: chrome plated
- the casing on the wrenches is made from plastic
- entirely hardened and tempered
- minimum turn of angle for 20°

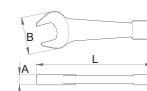


Barcode	Hex	L	B1	B2	A1	A2	Weight	Case	Price
611640	6 x 7	111	20	20	11,2	11	60	A	8,46
611641	7 x 8	130	20,6	23	11	11,2	77	A	8,85
611642	8 x 9	130	20,6	23	11	11,2	69	A	8,85
611643	8 x 10	130	20,6	23	11	11,2	67	A	9,05
611644	10 x 11	136	23,4	26,4	11	11	77	A	9,25
611645	12 x 13	167	30,1	32	13	13,1	153	A	13,47
611646	12 x 14	167	30,1	32	13	13,1	153	A	13,47

118/7

Slogging open end wrench

- material: special tool steel
- surface finish: anticorrosive oiled
- drop forged, entirely hardened and tempered
- made according to standard DIN 133



Barcode	Hex	L	B	A	Weight	Case	Price
620466	24	170	56	15	489	F	13,81
620467	27	170	56	15	477	F	13,81
620468	30	200	70	18	863	F	18,08
620469	32	200	70	18	863	F	19,07
620470	36	200	70	18	834	F	24,76
620471	41	240	88	20	1490	F	30,32
620472	46	240	88	20	1450	F	41,37
620473	50	265	102	20	1790	F	46,71
620474	55	305	112	24	2700	F	54,46
620475	60	305	112	24	2615	F	60,70
620476	65	335	123	27	3645	F	77,88
620477	70	370	154	30	2200	F	95,33
620478	75	370	154	30	4865	F	104,51
620479	80	400	170	33	6450	F	127,41

1 Slogging wrenches

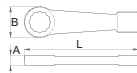
		L	B	A			
620480	⌚	85	400	170	33	5775	F 141,91
620481	⌚	90	450	192	38	7620	F 187,49
620482	⌚	95	450	192	38	9400	F 206,97
620483	⌚	100	485	225	45	10800	F 240,86
620484	⌚	105	485	225	45	10400	F 373,70
620485	⌚	110	515	236	48	12400	F 399,71
620486	⌚	115	515	236	52	15800	F 504,20
620487	⌚	120	535	253	53	20000	F 551,37
620488	⌚	125	535	253	53	19200	F 591,63
620489	⌚	130	565	273	53	23200	F 763,44
620490	⌚	135	565	273	53	23400	F 786,72
620491	⌚	140	635	300	58	28800	F 823,71
620492	⌚	145	635	300	58	28800	F 1121,71
620493	⌚	150	635	300	58	28200	F 1212,13



184/7

Slogging ring wrench

- material: special tool steel
- surface finish: anticorrosive oiled
- made according to standard DIN 7444 (only metric dimension)
- drop forged, entirely hardened and tempered



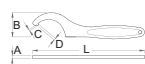
		L	B	A			
620494	⌚	24	180	48.6	16	534	F 16,23
620495	⌚	27	180	48.6	16	514	F 18,19

		L	B	A			
620496	⌚	30	180	48.6	16	488	F 21,55
620497	⌚	32	190	58.4	18	739	F 22,97
620498	⌚	36	190	58.4	18	694	F 29,01
620499	⌚	41	235	74	22	1425	F 37,75
620500	⌚	46	235	74	22	1360	F 41,98
620501	⌚	50	235	74	22	1335	F 47,14
620502	⌚	55	275	97.6	27	2800	F 52,92
620503	⌚	60	275	97.6	27	2710	F 57,12
620504	⌚	65	275	97.6	27	2580	F 73,95
620505	⌚	70	330	108	33	4685	F 84,31
620506	⌚	75	330	108	33	4570	F 88,68
620507	⌚	80	360	124	36	4305	F 121,62
620508	⌚	85	360	124	36	4220	F 148,23
620509	⌚	90	390	142	39	5335	F 179,31
620510	⌚	95	390	142	39	5090	F 200,22
620511	⌚	100	425	153	44	6800	F 218,60
620512	⌚	105	425	153	45	5930	F 403,52
620513	⌚	110	450	168	47	8200	F 411,05
620514	⌚	115	450	168	47	8400	F 541,78
620515	⌚	120	495	190	53	11400	F 570,18
620516	⌚	125	495	190	53	10800	F 604,42
620517	⌚	130	520	200	58	13400	F 768,80
620518	⌚	135	520	200	60	13800	F 835,48
620519	⌚	140	575	220	61	17000	F 859,16
620520	⌚	145	575	220	61	16600	F 1155,29
620521	⌚	150	575	220	61	17000	F 1222,61
620522	⌚	1.1/16"	180	49	16	512	F 19,11
620523	⌚	1.1/8"	180	49	16	511	F 19,11
620524	⌚	1.3/16"	180	49	16	502	F 22,63
620525	⌚	1.1/4"	190	58	18	740	F 24,12
620526	⌚	1.5/16"	190	58	18	708	F 30,46
620527	⌚	1.3/8"	190	58	18	700	F 30,46
620528	⌚	1.7/16"	190	58	18	687	F 30,46
620529	⌚	1.1/2"	235	74	22	1470	F 39,64
620530	⌚	1.5/8"	235	74	22	1425	F 39,64
620531	⌚	1.11/16"	235	74	22	1440	F 39,64
620532	⌚	1.3/4"	235	74	22	1410	F 44,07
620533	⌚	1.13/16"	235	74	22	1360	F 44,07
620534	⌚	1.7/8"	235	74	22	1350	F 49,50
620535	⌚	2"	235	74	22	1335	F 49,50
620536	⌚	2.1/16"	275	98	27	1860	F 55,55
620537	⌚	2.1/8"	275	98	27	2840	F 55,55
620538	⌚	2.3/16"	275	98	27	2800	F 55,55
620539	⌚	2.1/4"	275	98	27	2730	F 59,99
620540	⌚	2.5/16"	275	98	27	2670	F 59,99
620541	⌚	2.3/8"	275	98	27	2710	F 59,99
620542	⌚	2.1/2"	300	102	28.5	2580	F 71,76
620543	⌚	2.9/16"	300	102	28.5	2580	F 74,14
620544	⌚	2.5/8"	300	102	28.5	4685	F 87,45
620545	⌚	2.3/4"	330	108	33	4685	F 92,39
620546	⌚	2.15/16"	330	108	33	4520	F 106,74
620547	⌚	3"	330	108	33	4570	F 110,07
620548	⌚	3.1/8"	360	124	36	4305	F 153,46
620549	⌚	3.3/8"	360	124	36	4220	F 225,70
620550	⌚	3.1/2"	390	142	39	5335	F 279,11
620551	⌚	3.3/4"	390	142	39	5090	F 279,11
620552	⌚	3.7/8"	425	153	44	6910	F 380,86
620553	⌚	4"	425	153	44	6800	F 383,72
620554	⌚	4.1/8"	425	153	45	6800	F 395,12
620555	⌚	4.1/2"	450	168	47	8400	F 423,35

255/2

Hook wrench

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- entirely hardened and tempered
- made according to standard DIN 1810



		L	C	D	A	B			
613050	12 - 14	109	1.2	1.5	3	12	27	A	4,04
613051	16 - 20	109	1.5	2	3	12	28	A	4,04
613052	25 - 28	136	2	2.5	4	21	56	A	4,16
613053	30 - 32	136	2	2.5	4	21	55	A	4,16
613054	34 - 36	171	2.5	3	5	28.5	114	A	5,56
613055	40 - 42	171	2.5	3	5	28.5	111	A	5,56
613056	45 - 50	207	3	3.5	6	37	206	A	6,59
613057	52 - 55	207	3	3.5	6	37	209	A	6,59
613058	58 - 62	242	3.5	4	7	46	320	A	8,96
613059	68 - 75	242	3.5	4	7	46	303	A	8,96
613060	80 - 90	281	4	5	8	61	472	A	12,12
613061	95 - 100	281	4	5	8	61	436	A	12,12
613062	110 - 115	334	4	5	10	81	805	E	20,16
613063	120 - 130	334	4	5	10	81	829	E	20,16



255/2CT

Set of hook wrenches in bag

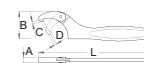


	Nº				
615156	255/2CT	9	3116	E	102,78
	255/2 (30 - 32, 40 - 42, 45 - 50, 52 - 55, 58 - 62, 68 - 75, 80 - 90, 95 - 100, 110 - 115)				

255/2F

Flexible hook wrench

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- entirely hardened and tempered



		L	C	D	A	B			
615027	15 - 35	140	3	3.5	7	25	83	A	12,16
615028	35 - 50	201	4	4	10	41.5	196	A	16,38
615029	50 - 80	262	5	5	12	68	455	A	22,90
615030	80 - 120	320	5.5	5.5	14	86	829	A	32,93
615031	120 - 180	420	7.5	9	16	134	1768	E	45,49



1 Socket wrenches

193N

Socket wrench with T-handle

- material: blade - chrome vanadium, entirely hardened and tempered
- handle - polypropylene
- Surface finishing: blade chrome plated according to EN 12540



Barcode	Size	D	L	B	Weight	Material	Price
621649	5	8.2	230	88	89	B	7,97
608283	5.5	8.8	230	88	106	B	7,97
608284	6	9	230	88	107	B	7,97
608285	7	11	230	88	112	B	8,25
608286	8	12	230	88	135	B	8,32
608287	9	13	230	88	160	B	8,52
608288	10	14	230	88	161	B	8,81
608289	11	16	230	88	169	B	11,07
608290	12	17.5	230	88	196	B	11,30
608291	13	18	230	88	199	B	11,51
608292	14	20	230	88	208	B	11,90
608293	15	22	230	88	212	B	12,66
608294	16	22	230	88	214	B	13,01
608295	17	23	230	88	223	B	13,23

193NTX

Socket with internal TX profile and T-handle

- material: blade - chrome vanadium, entirely hardened and tempered
- handle - polypropylene
- Surface finishing: blade chrome plated according to EN 12540



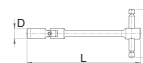
Barcode	Size	D	L	B	Weight	Material	Price
621376	E10	13	230	89	157	B	26,46



194/1A1

Flexible socket wrench with T-handle

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- entirely hardened and tempered



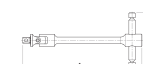
Barcode	Size	D	B	L	Weight	Material	Price
607992	6	10.5	165	400	204	A	18,12
607993	7	11.5	165	400	204	A	18,12
607994	8	12.5	165	400	204	A	18,12
607995	9	13.8	175	450	229	A	18,12
607996	10	15	175	450	414	A	20,19
607997	11	16.5	175	450	414	A	20,19
607998	12	17.5	175	450	418	A	20,19
607999	13	19	175	450	415	A	20,19
608101	14	20.5	180	500	454	A	21,47
608102	15	21.7	180	500	457	A	21,47
608103	16	23	180	500	457	A	22,86
608104	17	24	180	500	464	A	22,86
608105	18	25.4	180	500	825	A	24,79
608106	19	26.6	220	500	898	A	25,53
608107	20	27.7	220	500	877	A	26,82
608108	21	29	220	500	885	A	26,82
608109	22	30.5	220	500	893	A	29,95
608110	24	33	220	500	902	A	32,30

194/2B1

3/8" drive swivel with T-handle

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- entirely hardened and tempered

3/8"



Barcode	Size	B	L	Weight	Material	Price
608113	3/8"	200	450	360	A	35,75

194/1B2

1/2" drive swivel with T - handle

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- entirely hardened and tempered

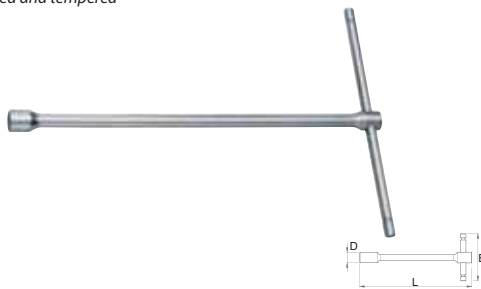


Barcode	Icon	D	B	L	Weight	Material	Price
608114	⌚	1/2"	250	500	894	A	42,50

196/2

Socket wrench with T-handle

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- entirely hardened and tempered



Barcode	Icon	D	B	L	Weight	Material	Price
602075	⌚	8	12.5	165	235	149	A 9,41
602076	⌚	10	15	180	260	239	A 10,03
605000	⌚	11	16	180	260	233	A 10,71
605001	⌚	12	18	180	260	303	A 11,03
602077	⌚	13	19.2	180	260	307	A 12,70
605002	⌚	14	20.2	180	260	311	A 13,46
602078	⌚	17	24	220	285	499	A 17,92

196/1A1

Socket wrench with T-handle

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- entirely hardened and tempered



Barcode	Icon	D	B	L	Weight	Material	Price
608122	⌚	6	9.4	165	300	160	A 9,93
608123	⌚	7	11	165	300	165	A 9,93
608124	⌚	8	12.2	165	300	174	A 9,93

Barcode	Icon	D	B	L	Weight	Material	Price
608125	⌚	9	13	175	300	175	A 9,93
608126	⌚	10	14.6	175	300	298	A 9,93
608127	⌚	11	16	175	300	309	A 11,08
608128	⌚	12	17.2	175	300	315	A 11,08
608129	⌚	13	18	175	300	311	A 12,29
608130	⌚	14	19.7	180	300	362	A 12,29
608131	⌚	15	22	180	300	383	A 12,29
608132	⌚	16	23	180	300	389	A 12,67
608133	⌚	17	24	180	300	402	A 12,67
608134	⌚	18	25.5	180	300	608	A 13,69
608135	⌚	19	26.6	220	300	643	A 14,91
608136	⌚	20	28	220	300	666	A 15,52
608137	⌚	21	29	220	300	671	A 15,52
608138	⌚	22	30	220	300	672	A 15,88
608139	⌚	24	33	220	300	698	A 17,16

202/1

Double swivel end socket wrench

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered



Barcode	Icon	L	D1	D2	Weight	Material	Price
609132	⌚	8 x 9	198	12	13	96	A 10,09
609133	⌚	8 x 10	200.5	12	14.6	82	A 10,75
609134	⌚	10 x 11	214	14.6	16	95	A 11,18
609135	⌚	12 x 13	227	17	18	148	A 11,88
609136	⌚	13 x 17	242	18	23	213	A 13,44
609137	⌚	14 x 15	241	19.5	20.5	211	A 13,02
609138	⌚	16 x 17	255	22	24	295	A 13,79
609139	⌚	18 x 19	273	24.5	26	391	A 16,06
609140	⌚	19 x 22	291.5	26	30	492	A 18,99
609141	⌚	20 x 22	295	27.5	30	518	A 18,85
609142	⌚	21 x 23	298	29	31	511	A 20,75
609143	⌚	24 x 27	323	32	36	756	A 25,40
609144	⌚	30 x 32	363	40	42	1062	A 31,36

202/1CB

Set of double swivel end socket wrenches in carton box



Barcode	Nº	Icon	Weight	Material	Price
609145	202/1CB	8 - 22 / 7	1880	F	94,87
	202/1 (8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22)				
609146	202/1CB	8 - 32 / 10	4220	F	172,39
	202/1 (8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 30 x 32)				

202/1CT

Set of double swivel end socket wrenches in bag



Barcode	Nº	Hand	Weight	Material	Price
615472	202/1CT	8 - 22 / 8	2122	E	126,22
202/1 (8 x 9, 10 x 11, 12 x 13, 13 x 17, 14 x 15, 16 x 17, 18 x 19, 20 x 22), CT129 (470 x 330)					

202/1TX

Double swivel end socket wrench with internal TX profile

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered

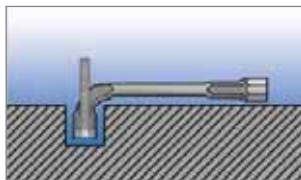
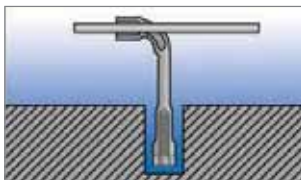
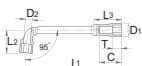


Barcode	Head	L	D1	D2	Weight	Material	Price
619861	E6 x E8	182	13	13	77	A	10,09
619862	E10 x E12	198	15	15	108	A	11,18
619863	E14 x E18	226	19	22	197	A	13,02
619864	E20 x E24	226	22	26	328	A	16,06

176

Double ended offset socket wrench

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered



Barcode	Head	L1	L2	C	D1	T	L3	D2	Weight	Material	Price
609102	6	100	22	21	10	7	27	6	44	A	9,84
609103	7	100	22	21	11	8	27	6	47	A	9,84
609104	8	120	25	24	12	9	30	7	76	A	10,21
609105	9	120	25	25	13	9	30	7	78	A	10,48
609106	10	127	30	30	15	12	36	8	123	A	11,26
609107	11	127	30	30	16	13	36	8	125	A	12,05
609108	12	143	34	34	17	13	43.5	8	161	A	12,89
609109	13	150	34	34	20	13	43.5	12	186	A	13,20
609110	14	170	40	40	21	14	48	12	226	A	16,21
609111	15	171	40	40	22	15	48	14	236	A	16,21
609112	16	197	45	46	24	17	57	15	340	A	16,21
609113	17	197	45	46	25.3	18	57	15	360	A	18,99
609114	18	209	52	49	28.5	18	61	15	411	A	18,99
609115	19	209	52	49	28.5	19	61	15	445	A	19,32
609116	20	220	54	55	29.5	21	63.5	15	495	A	24,88
609117	21	220	54	55	30	22	63.5	15	487	A	24,88
609118	22	241	60	61	32	22	68	16	590	A	30,69
609119	23	241	60	61	33	24	74	20	640	A	30,69
609120	24	242	63	65	34.5	25	77.5	20	713	A	33,54
609121	25	242	63	65	35	26	77.5	20	703	C	34,41
609122	26	278	67	70	36	27	81	22	876	C	40,05
609123	27	278	67	70	36.5	28	81	22	867	C	41,89
609124	28	294	71	70	38.5	29	84	23	1045	C	43,78
609125	29	300	73	85	40	30	90	24	1140	C	46,52
609126	30	316	75	85	42	31	96.5	25	1257	C	48,58
609127	32	305	79	85	44	32	97.5	25	1434	C	54,80
609128	35	385	93	88	48.5	35	100	27	2200	C	66,46
609129	36	395	94	88	49.5	36	101	27	2235	C	68,30

176CB

Set of double ended offset socket wrenches in carton box



Barcode	Nº	Head	Weight	Material	Price
609130	176CB	8 - 24 / 16	5230	F	295,84
176 (8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24)					
609131	176CB	8 - 32 / 22	11800	F	571,46
176 (8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26, 27, 28, 29, 30, 32)					



176CS6

Set of double ended offset socket wrenches in carton box



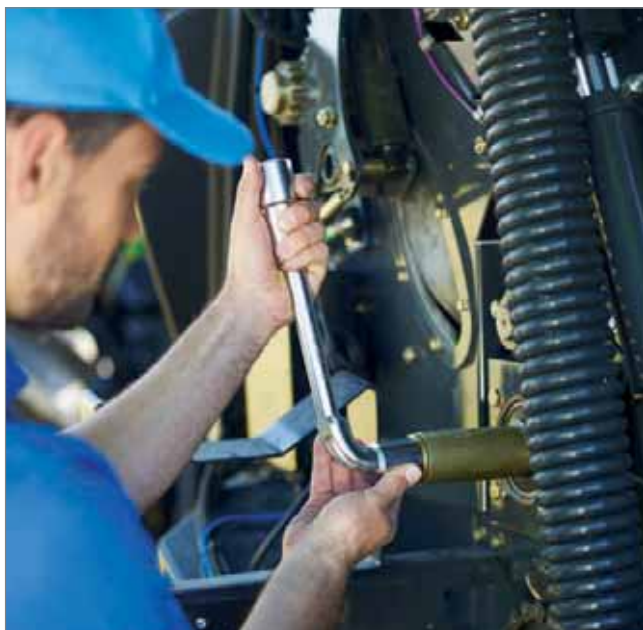
Barcode	Nº	Hand	Weight	Volume	Price
620581	176CS6	8 - 19 / 6	1365	176 (8, 10, 11, 13, 17, 19)	85,04

176CS11

Set of double ended offset socket wrenches in carton box



Barcode	Nº	Hand	Weight	Volume	Price
620582	176CS11	8 - 24 / 11	3650	176 (8, 10, 11, 12, 13, 16, 17, 18, 19, 22, 24)	197,37

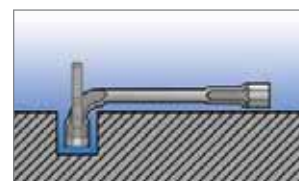
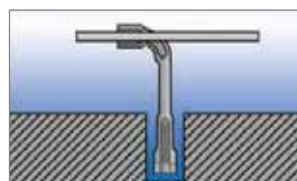
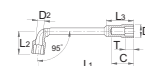


177

Double ended offset socket wrench



- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered



Barcode	Icon	L1	L2	C	D1	T	L3	D2	Weight	Volume	Price
609083		8	120	25	24	12	9	30	76	A	10,21
609084		9	120	25	25	13	9	30	7	78	10,48
609085		10	127	30	30	15	12	36	8	123	11,26
609086		11	127	30	30	16	13	36	8	125	12,05
609087		12	143	34	34	17	13	43.5	8	161	12,89
609088		13	150	34	34	20	13	43.5	12	186	13,20
609089		14	170	40	40	21	14	48	12	226	16,21
609090		15	171	40	40	22	15	48	14	236	16,21
609091		16	197	45	46	24	17	57	15	340	16,21
609092		17	197	45	46	25.3	18	57	15	360	18,99
609093		18	209	52	49	28.5	18	61	15	411	18,99
609094		19	209	52	49	28.5	19	61	15	445	19,32
609095		20	220	54	55	29.5	21	63.5	15	495	24,88
609096		21	220	54	55	30	22	63.5	15	487	24,88
609097		22	241	60	61	32	22	68	16	590	30,69
609098		23	241	60	61	33	24	74	20	640	30,69
609099		24	242	63	65	34.5	25	77.5	20	713	33,54

177CB

Set of double ended offset socket wrenches in carton box



Barcode	Nº	Hand	Weight	Volume	Price
609100	177CB	8 - 24 / 16	5230	177 (8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24)	295,84

1 Socket wrenches

177CS6

Set of double ended offset socket wrenches in carton box



№					
620583	177CS6	8 - 19 / 6	1365	G	85,04
177 (8, 10, 11, 13, 17, 19)					

177CS11

Set of double ended offset socket wrenches in carton box



№					
620584	177CS11	8 - 24 / 11	3650	G	197,37
177 (8, 10, 11, 12, 13, 16, 17, 18, 19, 22, 24)					

215/2

Tubular box wrench

- material: chrome molybdenum
- surface finish: chrome plated according to EN12540
- entirely hardened and tempered
- made according to standard DIN 896 (only metric dimension)



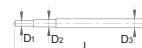
№										
600696	6 x 7	105	10	11.2	6.3	8	8	28	A	3,68
600697	8 x 9	105	12.7	14	6.3	9	9	39	A	4,06
600698	8 x 10	120	12.8	15	6.3	8	8	64	A	4,21
600699	10 x 11	120	15.5	16.7	6.3	10	10	64	A	4,74
600700	12 x 13	140	18.2	19.5	8.5	12	12	104	A	5,11
600717	13 x 17	150	20	24.6	10.5	13	13	144	A	5,98
600701	14 x 15	140	21.2	22.3	8.5	14	14	134	A	5,54
600718	14 x 17	150	21.2	24.6	10.5	13	13	142	A	5,98
600702	16 x 17	150	23.5	24.6	10.5	15	15	158	A	5,98
607957	16 x 18	100	23.5	25.8	10.5	14	14	118	A	7,15
600719	17 x 19	160	24.6	27	12.5	16	16	183	A	7,15
607958	17 x 21	165	24.6	29.3	12.5	16	16	199	A	7,15
600703	18 x 19	155	25.8	27	12.5	16	16	184	A	7,15

605043	18 x 21	160	25.8	29.3	12.5	16	16	165	A	7,64
605044	19 x 22	170	27	31.4	12.5	18	18	266	A	8,07
607960	19 x 24	160	27	33.7	14.5	20	20	230	A	9,05
600705	20 x 22	165	29	31.4	12.5	18	18	269	A	8,07
600706	21 x 23	165	30.3	32.5	14.5	20	20	282	A	9,05
607962	22 x 24	160	31.4	33.7	14.5	20	20	299	A	9,79
600707	24 x 26	180	33.7	36	14.5	22	22	356	A	9,79
600723	24 x 27	190	33.7	37.2	14.5	22	22	374	A	9,79
600708	25 x 28	200	34.8	38.3	16.5	24	24	432	E	12,33
607964	27 x 29	200	38.1	40.5	16.5	25	25	521	E	13,58
617633	27 x 30	200	38.1	41.6	16.5	25	25	528	E	13,11
600709	27 x 32	200	38.1	44	16.5	27	27	536	E	13,58
602557	30 x 32	200	41.6	44	16.5	27	27	585	E	13,58
603128	30 x 36	215	42.6	49.6	18.5	28	28	730	E	16,79
603129	36 x 41	215	51.6	57.4	18.5	31	31	1070	E	20,80
618575	41 x 46	235	52	57	22	34	34	1555	E	38,74
618576	46 x 50	235	59	63	22	68	68	2030	E	46,56
618577	50 x 55	235	63	68	22	75	75	2030	E	50,09

215.1/2

Rod for 215/2

- material: special tool steel
- surface finish: chrome plated according to EN12540
- entirely hardened and tempered



600745	6 - 17	230	6	8	10	137	E	2,52		
600747	18 - 41	330	12	14	16	493	E	7,62		



215/2CB

Set of tubular box wrenches in carton box




















Barcode	Nº	Hand	Weight	Material	Price
600710	215/2CB	6 - 32 / 14	3241	F	98,97
215/2 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), 215.1/2 (6 - 17, 18 - 41)					






216/1

Forged tubular box wrench

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- polished head
- entirely hardened and tempered
- made according to standard DIN 896 (only metric dimension)



		L	D1	D2	T1	T2	D Ø			
615229	6 x 7	105	10	11	5	6	4	39		7,66
615230	8 x 9	110	12.5	13.5	6	7	5	54		7,51
615231	10 x 11	120	15	16	7.5	8	7	66		8,17
615232	12 x 13	140	17.5	19	8	9.5	8	128		9,10
615233	14 x 15	145	20	21.5	10	11	8	144		11,90
615234	16 x 17	155	22.5	24	11	12	10	195		13,42
615235	18 x 19	165	25.5	26	13	15	12	275		15,34
615236	20 x 22	175	28	30	15	16	14	289		16,57
615237	21 x 23	185	29	31	16	17	14	366		18,30
617640	22 x 24	185	30	32.5	16	19	14	360		24,30
615238	24 x 26	195	32.5	36.5	19	21	18	446		27,51
615239	24 x 27	195	32.5	36.5	19	21	18	429		27,51






		L	D1	D2	T1	T2	D Ø			
615240	25 x 28	205	34	37	19	21	18	518	E	32,06
615241	27 x 29	205	36	39	21	22	18	579	E	34,53
617641	27 x 30	205	36	42	21	22	22	624	E	36,43
615242	30 x 32	210	40	42.5	22	26	22	834	E	37,79
617642	32 x 36	230	44	50	26	30	22	947	E	38,53

216.1

Rod for 216/1

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- entirely hardened and tempered



		D1	D2	D3	D4	L			
615243	6 - 19	3.5	4.5	5.5	7.5	165	52	E	3,08
615244	20 - 32	9.5	11.8			210	178	E	4,09

216/1CB

Set of forged tubular box wrenches in carton box



Barcode	Nº	Hand	Weight	Material	Price
615252	216/1CB	6 - 22 / 9	1050	F	92,73
216/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22), 216.1 (6 - 19)					
615253	216/1CB	6 - 32 / 14	3600	F	212,49
216/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32), 216.1 (6 - 19, 20 - 32)					

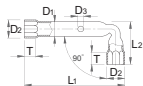


1 Tubular wrenches

217/2

Offset tubular box wrench

- material: chrome molybdenum
- surface finish: chrome plated according to EN12540
- Applications: In industry or repair shops for working in inaccessible areas. The through hole enables tightening of fasteners with a long projecting thread.
- entirely hardened and tempered



		L1	L2	D1	D2	D3	T			
617051	4	102	25	7	7	4.3	7	18	A	3,36
617052	5	99	25	7	8	4.3	7	17	A	3,36
617053	5.5	98	25	7	8.5	4.3	7	18	A	3,54
617054	6	103	26	9	10	5.3	8	35	A	3,59
617055	7	106	26	9	11.2	5.3	8	36	A	3,60
617056	8	112	34	11	12.5	6.3	9	48	A	4,18
617057	9	110	34	11	13.5	6.3	9	54	A	4,20
617058	10	121	41	13	15.5	6.3	10	82	A	4,61
617059	11	120	40	13	16.7	6.3	10	81	A	4,61
617060	12	135	46	16	18.2	8.5	12	123	A	5,59
617061	13	133	46	16	19.5	8.5	12	126	A	5,69
617062	14	138	50	18	21	8.5	14	163	A	6,57
617063	15	135	51	18	22.3	8.5	14	163	A	6,57
617064	16	143	57	20	23.2	10.5	15	197	A	7,43
617065	17	140	56	20	24.6	10.5	15	197	A	7,43
617066	18	149	65	22	25.8	12.5	16	234	A	8,32
617067	19	150	64	22	27	12.5	16	237	A	8,32
617068	20	161	68	25	29	12.5	18	334	A	8,66
617069	21	158	67	25	30.3	12.5	18	332	A	8,70
617070	22	159	71	25	31.4	12.5	20	353	A	10,13
617071	23	167	76	27	32.5	14.5	20	391	A	10,83
617072	24	170	83	30	33.7	14.5	22	467	E	12,94
617073	27	175	87	30	37.2	14.5	25	797	E	13,55
617074	30	178	93	34	41.6	16.5	27	691	E	16,03
617075	32	190	98	34	44	16.5	27	745	E	16,73

217/2CB

Set of offset tubular box wrenches in carton box

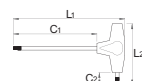


	Nº				
617123	217/2CB	6 - 22 / 11	1540	F	64,32
	217/2 (6, 7, 8, 10, 11, 12, 13, 14, 17, 19, 22)				
617124	217/2CB	6 - 22 / 17	2930	F	108,20
	217/2 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22)				

193HX

Hexagonal head screwdriver with T-handle

- material: blade - chrome vanadium, entirely hardened and tempered
- handle - polypropylene
- blade chrome plated, blacken tip



		L1	C1	C2	L2			
607161	2.5	155	125	15	61	13	B	3,23
607162	3	155	125	15	61	16	B	3,35
607163	3.5	155	125	15	61	20	B	3,42
607164	4	155	125	15	61	24	B	4,27
607165	4.5	188	150	20	88	57	B	4,34
607166	5	188	150	20	88	56	B	4,80
607167	6	188	150	20	88	74	B	5,23
607168	7	223	175	25	113	128	B	7,06
607169	8	223	175	25	113	155	B	7,40
607170	10	248	200	25	113	233	B	9,64

193HXC

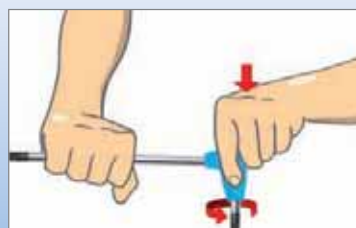
Set of hexagonal head screwdrivers with T-handle in carton box



	Nº				
608879	193HXC	2.5 - 10 / 10	884	F	52,73
	193HX (2.5, 3, 3.5, 4, 4.5, 5, 6, 7, 8, 10)				

FEATURES OF

193



193HXC

Set of hexagonal head screwdrivers with T-handle in carton box



Barcode	Nº	Hand	Weight	Box	Price
607890	193HXC	2,5 - 10 / 7	743	G	37,92
— 193HX (2,5, 3, 4, 5, 6, 8, 10)					

193HXSC

Set of ball - end hexagonal screwdrivers with T-handle in carton box

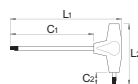
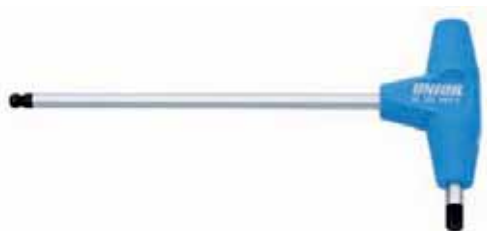


Barcode	Nº	Hand	Weight	Box	Price
609337	193HXSC	2,5 - 10 / 7	739	G	39,58
— 193HXS (2,5, 3, 4, 5, 6, 8, 10)					

193HXS

Ball - end hexagonal screwdriver with T - handle

- material: blade - chrome vanadium, entirely hardened and tempered
- handle - polypropylene
- blade chrome plated, blacken tip

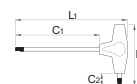


Barcode	Head	L1	C1	C2	L2	Weight	Box	Price
608276	2.5	155	125	15	61	13	B	3,38
608277	3	155	125	15	61	16	B	3,52
608278	4	155	125	15	61	25	B	4,39
608279	5	188	150	20	88	56	B	4,95
608280	6	188	150	20	88	72	B	5,45
608281	8	223	175	25	113	153	B	7,73
608282	10	248	200	25	113	234	B	10,15

193TX

TX profile screwdriver with T-handle

- material: blade - chrome vanadium, entirely hardened and tempered
- handle - polypropylene
- blade chrome plated, blacken tip



Barcode	Head	L1	C1	C2	L2	Weight	Box	Price
607171	TX 6	155	125	15	61	15	B	5,89
607172	TX 7	155	125	15	61	15	B	5,89
607173	TX 8	155	125	15	61	15	B	5,92
607174	TX 9	155	125	15	61	15	B	5,92
607175	TX 10	155	125	15	61	15	B	5,94
607176	TX 15	155	125	15	61	19	B	6,81
607177	TX 20	155	125	15	61	22	B	7,40
607178	TX 25	188	150	20	88	46	B	7,79
607179	TX 27	188	150	20	88	58	B	8,29
607180	TX 30	188	150	20	88	67	B	9,56
607181	TX 40	223	175	25	113	118	B	9,90
607182	TX 45	223	175	25	113	142	B	11,77

193TXCB

Set of TX profile screwdrivers with T handle in carton box



Barcode	Nº	Hand	Person	Box	Weight
608880	193TXCB	TX 6 - TX 45 / 10	631	F	79,27
193TX (TX 6, TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40, TX 45)					

193TXCS

Set of TX profile screwdrivers with T handle in carton box



Barcode	Nº	Hand	Person	Box	Weight
607888	193TXCS	TX 10 - TX 45 / 7	605	G	59,17
193TX (TX 10, TX 15, TX 20, TX 25, TX 30, TX 40, TX 45)					

193TXMS

Set of TX profile screwdrivers with T handle on metal stand



Barcode	Nº	Hand	Person	Box	Weight
607889	193TXMS	TX 6 - TX 45 / 10	1890	F	83,43
193TX (TX 6, TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40, TX 45)					

194/2C1

Flexible hexagonal wrench with T-handle



- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- entirely hardened and tempered



Barcode	Hexagon	B	L	Person	Box	Weight
608117	3	200	400	379	A	27,24
608118	4	200	400	380	A	27,24
608119	5	200	400	384	A	27,24
608120	6	200	400	389	A	29,09
608121	8	200	400	382	A	29,09

202/2AHX

Double swivel end hexagon wrench



- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered



Barcode	Hexagon	L	D1	D2	Person	Box	Weight
619870	3 x 4	207.5	15	15	110	A	10,93
619871	5 x 6	226	18	18	157	A	13,38
619872	8 x 10	242	20	20	220	A	15,78
619873	12 x 14	248	22	22	260	A	17,00
619874	17 x 19	285	24	30	550	A	24,62
619875	1/8" x 5/32"	207.5	15	15	109	A	10,93
619876	3/16" x 7/32"	223	18	18	157	A	10,98
619877	1/4" x 5/16"	225	18	20	174	A	13,38
619878	3/8" x 1/2"	240	20	22	242	A	16,36
619879	9/16" x 5/8"	255	22	24	331	A	18,50

202/2ATX

Double swivel end wrench with TX profile



- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered



Barcode	Star	L	D1	D2	Person	Box	Weight
619865	TX15 x TX20	208	15	15	102	A	10,98
619866	TX25 x TX27	208	15	15	108	A	10,98
619867	TX30 x TX40	208	15	15	113	A	10,98
619868	TX45 x TX50	226	18	18	160	A	13,54
619869	TX55 x TX60	240	20	20	231	A	13,54

220/3

Hexagon wrench

- material: chrome vanadium
- entirely hardened and tempered
- surface finish: nickel plated
- made according to standard ISO 2936 (only metric dimension)



		L1	L2			
607823	1.5	46.5	15.5	5	B	0,13
607824	2	52	18	6	B	0,13
607825	2.5	58.5	20.5	7	B	0,13
601036	3	66	23	10	B	0,20
601037	4	74	29	15	B	0,27
601038	5	85	33	23	B	0,40
601040	6	96	38	35	B	0,58
601041	7	102	41	47	B	0,84
601042	8	108	44	65	B	1,15
601044	10	122	50	108	B	1,84
601045	12	137	57	163	B	2,80
601046	14	154	70	258	B	4,39
601047	17	177	80	433	C	6,65
601048	19	199	89	603	C	9,49
616967	3/64"	41	13	5	B	0,10
616966	1/20"	41	13	5	B	0,09
611905	1/16"	47	16	5	B	0,14
611906	5/64"	52	18	6	B	0,14
611907	3/32"	58	20	7	B	0,23
616968	7/64"	66	23	10	B	0,26
611908	1/8"	66	23	10	B	0,31
616969	9/64"	72	26	15	B	0,33
611909	5/32"	74	29	15	B	0,39
611910	3/16"	85	33	23	B	0,47
611911	7/32"	91	36	35	B	0,65
611912	1/4"	96	38	35	B	0,94
611913	5/16"	108	44	65	B	1,25
611914	3/8"	122	50	108	B	2,03
611915	7/16"	130	53	163	B	3,10
611916	1/2"	145	63	163	B	4,82
616970	9/16"	154	69	258	B	7,05
616971	5/8"	176	76	433	C	8,54
616972	3/4"	199	89	603	C	10,04
616973	7/8"	222	102	950	C	14,41
616974	1"	275	125	1535	C	22,65



220FH

Set of hexagon wrenches in folding holder



	Nº				
617146	220FH	2.5 - 10 / 7	300	E	20,68
		└─ 220/3 (2.5, 3, 4, 5, 6, 8, 10)			
617148	220FH	3/32" - 5/16" / 6	191	E	18,10
		└─ 220/3 (3/32", 1/8", 5/32", 3/16", 1/4", 5/16")			
617149	220FH	3/32" - 3/8" / 7	300	E	20,68
		└─ 220/3 (3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8")			

220/3PB

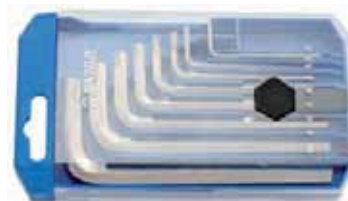
Set of hexagon wrenches in plastic wallet



	Nº				
601057	220/3PB	3 - 10 / 6	237	T	6,27
		└─ 220/3 (3, 4, 5, 6, 8, 10)			
601059	220/3PB	3 - 14 / 8	660	T	13,31
		└─ 220/3 (3, 4, 5, 6, 8, 10, 12, 14)			
601061	220/3PB	3 - 19 / 10	1715	T	29,45
		└─ 220/3 (3, 4, 5, 6, 8, 10, 12, 14, 17, 19)			

220/3PB1

Set of hexagon wrenches in plastic box



	Nº				
610914	220/3PB1	2 - 10 / 8	310	T	9,46
		└─ 220/3 (2, 2.5, 3, 4, 5, 6, 8, 10)			
612161	220/3PB1	5/64" - 3/8" / 8	300	T	9,46
		└─ 220/3 (5/64", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8")			

220/3PH

Set of hexagon wrenches on plastic clip



Barcode	Nº	Hand	Weight	Material	Price
607852	220/3PH	1.5 - 10 / 9	250	T	7,69
	220/3 (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10)				
617079	220/3PH	1.5 - 12 / 10	416	T	10,49
	220/3 (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10, 12)				
617081	220/3PH	1/16" - 3/8" / 9	240	T	9,90
	220/3 (1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8")				

220/3MH

Set of hexagon wrenches in metal folding holder

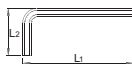


Barcode	Nº	Hand	Weight	Material	Price
610986	220/3MH	2.5 - 10 / 7	349	E	13,42
	220/3 (2.5, 3, 4, 5, 6, 8, 10)				

220/4

Hexagon wrench

- material: chrome vanadium
- entirely hardened and tempered
- surface finish: phosphated to standard DIN 12476
- made according to standard ISO 2936 (only metric dimension)



Barcode	Hex	L1	L2	Weight	Material	Price
618817	1.5	46.5	15.5	5	B	0,11
618818	2	52	18	6	B	0,11
618819	2.5	58.5	20.5	7	B	0,13
618820	3	66	23	10	B	0,18
618821	4	74	29	15	B	0,20
618822	5	85	33	23	B	0,38
618823	6	96	38	35	B	0,46
618824	7	102	41	47	B	0,58



Barcode	Hex	L1	L2	Weight	Material	Price
618825	8	108	44	65	B	0,84
618826	10	122	50	108	B	1,64
618829	12	137	57	163	B	2,61
618831	14	154	70	258	B	4,39
618833	17	177	80	433	C	6,25
618835	19	199	89	603	C	9,49
618839	3/64"	41	13	5	B	0,10
618816	1/20"	41	13	5	B	0,11
618828	1/16"	47	16	5	B	0,14
618843	5/64"	52	18	6	B	0,14
618837	3/32"	58	20	7	B	0,23
618847	7/64"	66	23	10	B	0,26
618834	1/8"	66	23	10	B	0,31
618850	9/64"	72	26	15	B	0,33
618842	5/32"	74	29	15	B	0,39
618836	3/16"	85	33	23	B	0,47
618846	7/32"	91	36	35	B	0,65
618832	1/4"	96	38	35	B	0,94
618841	5/16"	108	44	65	B	1,25
618840	3/8"	122	50	108	B	2,03
618845	7/16"	130	53	163	B	3,69
618830	1/2"	145	63	163	B	4,82
618849	9/16"	154	69	258	B	7,05
618844	5/8"	176	76	433	C	8,54
618838	3/4"	199	89	603	C	10,04
618848	7/8"	222	102	950	C	14,41
618827	1"	275	125	1535	C	22,65

220/4PH

Set of hexagon wrenches on plastic clip

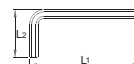


Barcode	Nº	Hand	Weight	Material	Price
619404	220/4PH	1.5 - 10 / 9	250	T	4,78
	220/4 (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10)				
619405	220/4PH	1.5 - 12 / 10	410	T	8,32
	220/4 (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10, 12)				
619406	220/4PH	1/16" - 3/8" / 9	235	T	7,13
	220/4 (1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8")				

220/3L

Hexagon wrench, long type

- material: chrome vanadium
- entirely hardened and tempered
- surface finish: nickel plated
- made according to standard ISO 2936 (only metric dimension)



Barcode	Hex	L1	L2	Weight	Material	Price
608510	1.5	91.5	15.5	6	B	0,51



		L1	L2			
608511	2	102	18	7	B	0,51
608512	2.5	114.5	20.5	10	B	0,61
608513	3	129	23	14	B	0,67
608514	4	144	29	22	B	0,98
608515	5	165	33	35	B	1,45
608516	6	186	38	55	B	1,45
608517	7	197	41	78	B	2,33
608518	8	208	44	105	B	2,33
608519	10	234	50	105	B	3,57
608520	12	262	57	105	B	5,44
608521	14	294	70	437	B	9,21
608522	17	337	80	753	C	15,61
608523	19	379	89	1026	C	20,33
616975	1/16"	92	16	6	B	0,47
616976	5/64"	102	18	7	B	0,47
616977	3/32"	114	20	10	B	0,58
616978	1/8"	129	23	14	B	0,63
616979	9/64"	140	26	22	B	0,76
616980	5/32"	144	29	22	B	0,89
616981	3/16"	165	33	35	B	1,07
616982	7/32"	176	36	55	B	1,18
616983	1/4"	186	38	55	B	1,32
616984	5/16"	208	44	105	B	2,16
616985	3/8"	234	50	105	B	3,30
616986	7/16"	261	53	105	B	5,04
616987	1/2"	293	63	105	B	5,04
616988	9/16"	294	69	437	B	8,24
616989	5/8"	336	76	753	C	12,86
616990	3/4"	379	89	1026	C	18,89

220/3LPB2

Set of hexagon wrenches, long type in plastic box



	Nº				
610915	220/3LPB2	2 - 10 / 8	536	T	17,93
	220/3L (2, 2.5, 3, 4, 5, 6, 8, 10)				

220/3LPH

Set of ball end hexagon wrenches, long type on plastic clip



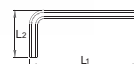
	Nº				
608533	220/3LPH	1.5 - 10 / 9	416	T	14,42
	220/3L (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10)				
617080	220/3LPH	1.5 - 12 / 10	700	T	19,06
	220/3L (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10, 12)				
617082	220/3LPH	1/16" - 3/8" / 9	400	T	18,32
	220/3L (1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8")				



220/4L

Hexagon wrench, long type

- material: chrome vanadium
- entirely hardened and tempered
- surface finish: phosphated to standard DIN 12476
- made according to standard ISO 2936 (only metric dimension)



		L1	L2			
618786	1.5	91.5	15.5	6	B	0,51
618787	2	102	18	7	B	0,51
618788	2.5	114.5	20.5	10	B	0,61
618789	3	129	23	14	B	0,67
618790	4	144	29	22	B	0,98
618791	5	165	33	35	B	1,45
618792	6	186	38	55	B	1,45
618793	7	197	41	78	B	1,99
618794	8	208	44	105	B	2,33
618795	10	234	50	105	B	3,57
618797	12	262	57	105	B	5,44
618799	14	294	70	437	B	9,21
618801	17	337	80	753	C	15,61
618803	19	379	89	1026	C	20,33
618796	1/16"	92	16	6	B	0,47
618810	5/64"	102	18	7	B	0,47
618805	3/32"	114	20	10	B	0,58
618802	1/8"	129	23	14	B	0,63
618815	9/64"	140	26	22	B	0,76
618809	5/32"	144	29	22	B	0,89
618804	3/16"	165	33	35	B	1,07
618813	7/32"	176	36	55	B	1,18
618800	1/4"	186	38	55	B	1,32
618808	5/16"	208	44	105	B	2,16
618807	3/8"	234	50	105	B	3,30
618812	7/16"	261	53	105	B	5,57
618798	1/2"	293	63	105	B	5,57
618814	9/16"	294	69	437	B	8,88
618811	5/8"	336	76	753	C	12,86
618806	3/4"	379	89	1026	C	20,33

220/4LPH

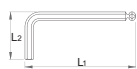
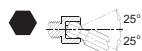
Set of hexagon wrenches, long type on plastic clip



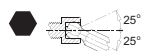
	Nº				
619407	220/4LPH	1.5 - 10 / 9	423	T	12,82
	220/4L (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10)				
619408	220/4LPH	1.5 - 12 / 10	711	T	19,38
	220/4L (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10, 12)				
619409	220/4LPH	1/16" - 3/8" / 9	410	T	12,13
	220/4L (1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8")				

220/3S**Ball end hexagon wrench**

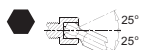
- material: chrome vanadium
- entirely hardened and tempered
- surface finish: nickel plated



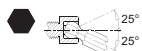
Barcode	Hex	L1	L2	Weight	Box	Price
607826	1.5	46.5	15.5	5	B	0,55
607827	2	52	18	6	B	0,55
607828	2.5	58.5	20.5	7	B	0,61
607829	3	66	23	10	B	0,69
607830	4	74	29	15	B	1,06
607831	5	85	33	23	B	1,18
607832	6	96	38	35	B	1,82
607834	8	108	44	65	B	3,14
607835	10	122	50	108	B	5,51

220/3SFH**Set of ball end hexagon wrenches in folding holder**

Barcode	Nº	Hand	Weight	Box	Price
617147	220/3SFH	2.5 - 10 / 7	298	E	27,40
220/3S (2, 5, 3, 4, 5, 6, 8, 10)					

220/3SPB1**Set of ball end hexagon wrenches in plastic box**

Barcode	Nº	Hand	Weight	Box	Price
610916	220/3SPB1	2 - 10 / 8	316	T	18,01
220/3S (2, 2.5, 3, 4, 5, 6, 8, 10)					

220/3SPH**Set of ball end hexagon wrenches on plastic clip**

Barcode	Nº	Hand	Weight	Box	Price
607853	220/3SPH	1.5 - 10 / 9	252	T	17,41
220/3S (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10)					

220/3SL**Ball end hexagon wrench, long type**

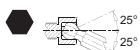
- material: chrome vanadium
- entirely hardened and tempered
- surface finish: nickel plated



Barcode	Hex	L1	L2	Weight	Box	Price
608524	1.5	91.5	15.5	6	B	0,61
608525	2	102	18	7	B	0,67
608526	2.5	114.5	20.5	10	B	0,77
608527	3	129	23	14	B	0,87
608528	4	144	29	22	B	1,27
608529	5	165	33	35	B	1,51
608530	6	186	38	55	B	2,23
608531	8	208	44	105	B	3,92
608532	10	234	50	105	B	7,04

220/3SLPB2**Set of ball end hexagon wrenches, long type in plastic box**

Barcode	Nº	Hand	Weight	Box	Price
610917	220/3SLPB2	2 - 10 / 8	544	T	24,65
220/3SL (2, 2.5, 3, 4, 5, 6, 8, 10)					

220/3SLPH**Set of ball end hexagon wrenches, long type on plastic clip**

Barcode	Nº	Hand	Weight	Box	Price
608534	220/3SLPH	1.5 - 10 / 9	425	T	21,19
220/3SL (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10)					



220/7TX**Wrench with TX profile and hole**

- material: chrome vanadium
- surface finish: blacken to standard DIN 50938
- entirely hardened and tempered



Barcode	Star	L1	L2	Weight	Material	Price
616296	TR 9	59	19	9	B	4,49
609173	TR 10	65	20	9	B	4,49
609174	TR 15	75.5	20.5	12	B	4,49
609175	TR 20	87	22	15	B	4,60
609176	TR 25	97.5	22.5	18	B	4,70
609177	TR 27	105.5	25.5	25	B	5,10
609178	TR 30	111	30	32	B	5,19
609179	TR 40	119	33	45	B	5,81







220/7TXN**Wrench with TX profile**

- material: chrome vanadium
- entirely hardened and tempered
- surface finish: blacken to standard DIN 50938









Barcode	Star	L1	L2	Weight	Material	Price
616991	TX 6	44.5	18.5	7	B	3,01
616992	TX 7	50.5	18.5	7	B	3,01
616993	TX 8	51	19	8	B	3,01
616994	TX 9	51	19	8	B	2,70
616995	TX 10	54	20	8	B	2,77
616996	TX 15	57.5	21.5	10	B	2,77
616997	TX 20	61	23	13	B	2,79
616998	TX 25	64.5	24.5	15	B	2,87
616999	TX 27	69.5	26.5	21	B	3,06
617000	TX 30	76	30	25	B	3,07
617001	TX 40	83	33	35	B	3,46
617002	TX 45	91	37	50	B	4,12
617003	TX 50	104	41	67	B	4,58
617004	TX 55	120	47	126	B	6,57
617005	TX 60	134	52	188	B	8,88








220/7TXMH**Set of wrenches with TX profile in metal folding holder**

	Nº				
610987	220/7TXMH	TR 9 - TR 40 / 8	269	E	35,36
 220/7TX (TR 9, TR 10, TR 15, TR 20, TR 25, TR 27, TR 30, TR 40)					








220/7TXNHF**Set of wrenches with TX profile in folding holder**

	Nº				
617150	220/7TXNHF	TX 9 - TX 40 / 8	225	E	28,43
 220/7TXN (TX 9, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40)					

220/7TXPH**Set of wrenches with TX profile in plastic clip**

	Nº				
613089	220/7TXPH	TR 9 - TR 40 / 8	130		38,80
 220/7TX (TR 9, TR 10, TR 15, TR 20, TR 25, TR 27, TR 30, TR 40)					

220/7TXNPH**Set of wrenches with TX profile in plastic clip**

	Nº				
617077	220/7TXNPH	TX 9 - TX 40 / 8	130		24,38
 220/7TXN (TX 9, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40)					

220/7TXP**Wrench with TXP profile**

- material: chrome vanadium
- surface finish: blacken to standard DIN 50938
- entirely hardened and tempered



Barcode	Icon		L1	L2	Icon	Icon	Icon
617006	TX 9	59	19	9	B	4,31	
617007	TX 10	65	20	9	B	4,44	
617008	TX 15	75.5	20.5	12	B	4,44	
617009	TX 20	87	22	15	B	4,47	
617010	TX 25	94.5	22.5	18	B	5,58	
617011	TX 27	105.5	25.5	25	B	6,11	
617012	TX 30	111	30	32	B	6,65	
617013	TX 40	119	33	45	B	7,40	

220/7TXPPH**Set of wrenches with TXP profile in plastic clip**

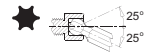
Barcode	Nº	Icon	Icon	Icon	Icon	Icon
617078	220/7TXPPH	TX 9 - TX 40 / 8	162	T	44,30	
220/7TXP (TX 9, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40)						

220/7TXS**Ball end wrench with TX profile**

- material: chrome vanadium
- surface finish: blacken to standard DIN 50938
- entirely hardened and tempered



Barcode	Icon	L1	L2	Icon	Icon	Icon
617083	TX 9	67	19	9	B	5,15
609180	TX 10	76	20	9	B	5,15
609181	TX 15	86.5	20.5	12	B	5,15
609182	TX 20	98	22	15	B	5,20
609183	TX 25	100.5	22.5	18	B	5,32
609184	TX 27	111.5	25.5	28	B	5,68
609185	TX 30	125	30	35	B	5,71
609186	TX 40	139	33	40	B	6,42
609187	TX 45	145	37	67	B	7,64
609188	TX 50	149	41	88	B	8,50
609189	TX 55	157	47	158	B	11,19

220/7TXSPH**Set of ball end wrenches with TX profile in plastic clip**

Barcode	Nº	Icon	Icon	Icon	Icon	Icon
613090	220/7TXSPH	TX 9 - TX 40 / 8	173	T	44,67	
220/7TXS (TX 9, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40)						

220/7ZX**Wrench with ZX profile**

- material: chrome vanadium
- entirely hardened and tempered
- surface finish: anticorrosive oiled



Barcode	Icon	L1	L2	Icon	Icon	Icon
610918	M 5	75	30	18	B	4,05
610919	M 6	86	34	28	B	4,74
610920	M 8	98	40	55	B	6,11
610921	M 10	110	46	88	B	7,90
610922	M 12	124	52	137	B	9,95
610923	M 14	139	59	207	B	12,80
610924	M 16	156	72	309	B	18,95

220/7ZXMH**Set of wrenches with ZX profile in metal folding holder**

Barcode	Nº	Icon	Icon	Icon	Icon	Icon
610988	220/7ZXMH	M 5 - M 12 / 5	425	E	41,35	
220/7ZX (M 5, M 6, M 8, M 10, M 12)						

221AHXPB3

Set of hexagon wrenches with handle in plastic box



618902	⌚	HX 1.5, 2, 2.5, 3, HXS 1.5, 2, 2.5, 3	225	30,57

221HXPB3

Set of hexagon wrenches with handle in plastic box



618898	⌚	HX 1.5, 2, 2.5, 3, HXS 1.5, 2, 2.5, 3	210	29,77

221ATXPB3

Set of hexagon wrenches with TX profile and handle in plastic box



618899	⌚	TX 5, 6, 7, 8, 9, 10, 15, 20	230	32,26

221TXPB3

Set of hexagon wrenches with TX profile and handle in plastic box



618895	⌚	TX 5, 6, 7, 8, 9, 10, 15, 20	215	31,46

221ATXPPB3

Set of hexagon wrenches with TXP profile and handle in plastic box



618901	⌚	TXP 5, 6, 7, 8, 9, 10, 15, 20	230	45,21

221ATXRPB3

Set of hexagon wrenches with TXR profile and handle in plastic box



618900	⌚	TXR 5, 6, 7, 8, 9, 10, 15, 20	230	39,46

210/2

Wheel nut wrench

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered



		L1	L2			
600782	17	255	27	476	A	11,54
600783	19	285	29,5	541	A	13,29

212/2

Wheel nut wrench

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered
- made according to standard ISO DIN 3112



		L1	D1	L2	D2			
600785	17	260	26	300	12	720	C	19,35

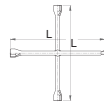
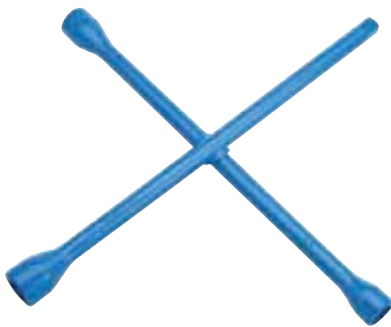
1

		L1	D1	L2	D2			
600786	19	280	28.5	300	12	800	C	20,23
600787	22	300	32	300	12	815	C	25,65
600788	24	315	33.5	400	14	1280	C	27,16
600789	27	355	38.5	400	20	2220	C	30,40
600790	30	425	42.5	400	20	2450	C	33,45
600791	32	430	48	400	20	2815	C	39,61
609815	33	430	48	400	20	2875	C	42,81

213/6

Four way rim wrench

- material: chrome vanadium
- lacquered
- drop forged, entirely hardened and tempered
- made according to standard ISO 6788 (only metric dimension)










					L			
600810	17	19	11/16"	1/2"	370	1355	F	34,08
600811	17	19	22	1/2"	370	1430	F	34,08
600809	17	19	21	23	370	1511	F	30,35
600812	17	19	22	24	370	1500	F	30,35
600813	24	27	30	3/4"	700	4400	F	68,86
600814	24	27	30	32	700	4600	F	68,86

194/2D1

T - handle spark plug wrench swiveling socket

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- entirely hardened and tempered

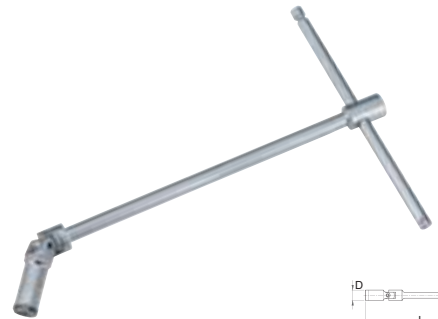









		D	B	L			
608111		16	21	250	300	336	A 36,87
608112		20.8	27	250	300	382	A 36,87

194/2D1L

T - handle spark plug wrench swiveling socket, long type

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- entirely hardened and tempered

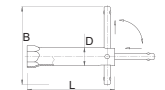


		D	B	L				
608115		16	21	250	500	468	A	41,32
608116		20.8	27	250	500	504	A	41,32

185/2

Spark plug wrench

- material: special tool steel
- surface finish: chrome plated according to EN12540

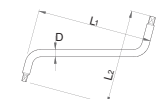


		D	L	B			
600771	16	19	145	120	182	E	4,38
607956	19	22	115	120	199	E	4,51
600772	21	24	115	120	177	E	4,58
600773	21	24	180	120	248	E	4,83

175/2

Wrench for oil drain plugs

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- entirely hardened and tempered

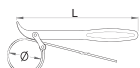


		L1	L2	D			
605112	8 x 10	203	169	10	305	A	6,74

205/2

Strap wrench

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered
- strap from rubberized cloth



Barcode	L	Ø1	Ø2	Weight	Material	Price
601024	220	60	140	225	E	13,59

205.1

Strap for 205/2

- strap from rubberized cloth

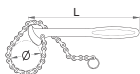


Barcode	Weight	Material	Price
602841	62	E	8,77

206/2

Chain wrench

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered



Barcode	L	Ø1	Ø2	Weight	Material	Price
601025	220	60	140	330	E	26,19

206.1

Chain for 206/2

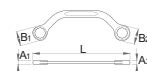


Barcode	L	Weight	Material	Price
620938	500	150	E	5,12

200/2

Starter and block wrench

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered



Barcode	Size	L	B1	B2	A1	A2	Weight	Material	Price
600671	11 x 13	150	16.5	19	7	8.5	54	A	7,78
600672	13 x 17	185	19.2	24.2	8.7	10.3	99	A	8,77
600673	14 x 17	185	20.5	24.2	8.7	10.3	104	A	8,77
600674	15 x 16	185	21.6	23.6	8.7	10.3	104	A	8,77
600675	15 x 17	185	21.6	24.2	8.7	10.3	101	A	8,77
600676	19 x 22	230	27.2	31.8	10	11.5	178	A	11,24

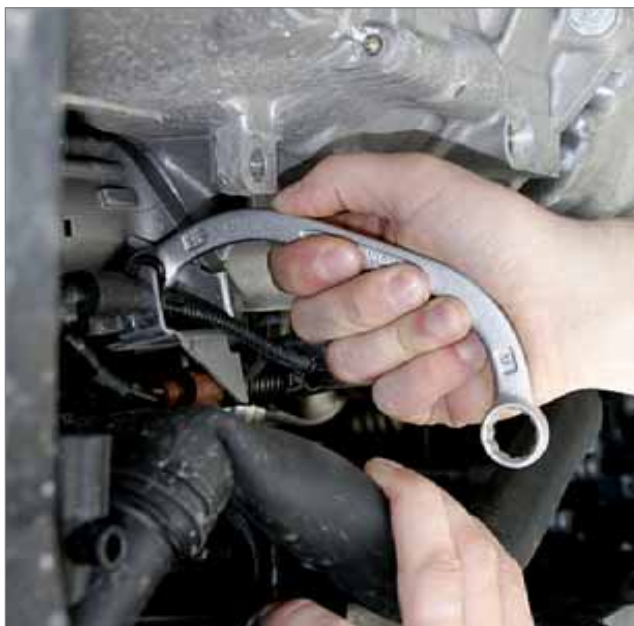
200/2CB

Set of starter and block wrenches in carton box



Barcode	Nº	Quantity	Weight	Material	Price
600677	200/2CB	11 - 22 / 5	605	F	45,32

200/2 (11 x 13, 13 x 17, 14 x 17, 15 x 16, 19 x 22)



Sockets with accessories

A special procedure for the manufacture of sockets



RATCHET

1. **Cutting:** flat steel is cut into the right shape using a machine; the accuracy of the cutting ensures the minimum consumption of quality material.
2. **Forging:** forging parts are made using drop forging technology. Drop forging allows diverse ergonomic product shapes. The appropriate course of the fibres, already present in the rolled blanks, is maintained using the appropriate forging processes.
3. **Trimming:** removing superfluous materials.



RATCHET CASING

4. **Cnc working** on a CNC machine is carried out using special clamping devices that ensures the accuracy of the dimensions and functionality in terms of the coordinated movement of all elements.
5. **Heat treatment (quenching and tempering):** heat treatment with hardening and tempering is intended to improve the structure of the steel, to provide greater hardness and toughness of the product and other properties required to overcome the strains that work with this product requires.
6. **Sanding:** cleaning the surface before chroming is important for the sake of quality and durable surface protection.
7. **Chroming:** the housing of the ratchet is plated with a thin, hard coating of chromium oxide, which protects against corrosion and wear and other mechanical damage. At the same time, it gives the entire product - the Unior ratchet - a brilliant and professional appearance.



PINION

8. **Cnc working** is carried out on a CNC machine, which ensures the required accuracy. The pinion is one of the essential elements of the ratchet and the individual sizes have to be made within very narrow tolerance margins.
9. **Teeth broaching** is an operation for shaping the teeth on the pinion. The geometry of 72 teeth guarantees the required two-sided shifting of the Unior ratchet.
10. **Heat treatment (quenching and tempering):** heat treatment with hardening and tempering is intended to improve the structure of the steel, to provide greater hardness and toughness of the product and other properties required to overcome the strains that work with this product requires.



11. **Sanding:** cleaning the surface after heat treatment



12. **Shift lever**

13. **Closing element**

14. **Shift button**

15. **Cover**

16. **Ejector pin**

17. **Assembly**



18. **Final assembly:** the trained, skilled and meticulous workers performing the final assembly will assemble the product into a whole that ensures the functionality and high quality of the product.





Simple use

The operation of the ratchet accommodating the sockets is based on a 75-tooth mechanism, which divides the 360° full circle into sections of 4.8-degree angles and thus guarantees simpler use even at nearly inaccessible points. With larger ratchet increments, fewer turns and less effort, you can achieve greater reliability and higher precision.



Accuracy

Together with the indispensable ratchets, Unior sockets allow even, predictable and precision tightening and loosening of screws and nuts -working with Unior ratchets is safer and more accurate.



Safety

Special socket retention system with a one-touch release button ensures greater safety at work and an increased socket locking speed.



Sockets 1/4"

66 - 72



Sockets 3/8"

72 - 80



Sockets 1/2"

80 - 92



Sockets 3/4"

92 - 95



Sockets 1"

95 - 96



Impact sockets 3/8"

96 - 97



Impact sockets 1/2"

97 - 102



Impact sockets 3/4"

102 - 103



Impact sockets 1"

103 - 105



Impact sockets 1.1/2"

105

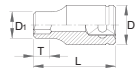


2 Sockets 1/4"

188/2 6p

Socket 1/4"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered
- made according to standard ISO 2725-1 (only metric dimension)

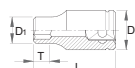


		L	D1	D2	T			
618682	3.2	25	6	12	4	15	B	1,38
600815	4	25	6.7	12	4	15	B	1,38
600816	4.5	25	7.3	12	4	15	B	1,38
600817	5	25	8	12	5	15	B	1,38
600818	5.5	25	8.6	12	5.5	15	B	1,38
600819	6	25	9.2	12	6	15	B	1,38
600820	7	25	11	12	6	15	B	1,38
600821	8	25	12	12	7.5	15	B	1,43
600822	9	25	13	13	7.5	15	B	1,43
600823	10	25	14.5	14.5	9	39	B	1,54
600824	11	25	16	15.5	10.5	39	B	1,56
603130	12	25	17	17	10.5	39	B	1,62
600825	13	25	18	18	10.5	39	B	1,65
603131	14	25	19.5	19.5	13	39	B	1,65
618683	3/16"	25	8	11.9	5	15	B	1,38
618684	7/32"	25	8.8	11.9	5	15	B	1,38
618685	1/4"	25	9.3	11.9	5	15	B	1,38
618686	9/32"	25	10.5	11.9	5	15	B	1,38
618687	5/16"	25	10.5	11.9	5	15	B	1,51
618688	11/32"	25	10.5	13.1	5	15	B	1,64
618689	3/8"	25	10.5	14.6	8	39	B	1,70
618690	13/32"	25	10.5	14.6	8	39	B	1,58
618691	7/16"	25	10.5	15.9	8	39	B	1,55
618692	1/2"	25	10.5	17.9	10	39	B	1,91
618693	9/16"	25	10.5	19.7	10	39	B	1,91

188/2 12p

Socket 1/4", 12 point

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered
- made according to standard ISO 2725-1 (only metric dimension)



		L	D1	D2	T			
618657	4	25	6.8	11.9	5	15	B	1,38
618658	4.5	25	7.1	11.9	5	15	B	1,38
618659	5	25	8	11.9	5	15	B	1,38
618660	5.5	25	8.3	11.9	5	15	B	1,38
618661	6	25	9.3	11.9	5	15	B	1,38
618662	7	25	10.5	11.9	5	15	B	1,38
618663	8	25	10.5	11.9	5	15	B	1,43
618664	9	25	10.5	13.1	8	15	B	1,43
618665	10	25	10.5	14.5	8	39	B	1,54

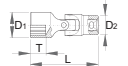


		L	D1	D2	T			
616866	11	25	10.5	15.8	8	39	B	1,56
616867	12	25	10.5	16.8	8	39	B	1,62
616868	13	25	10.5	17.8	10	39	B	1,65
616869	14	25	10.5	19.6	10	39	B	1,65
616870	3/16"	25	8	11.9	5	15	B	1,38
616871	7/32"	25	8.3	11.9	5	15	B	1,38
616872	1/4"	25	9.3	11.9	5	15	B	1,38
616873	9/32"	25	10.5	11.9	5	15	B	1,38
616874	5/16"	25	10.5	11.9	5	15	B	1,51
616875	11/32"	25	10.5	12.9	5	15	B	1,64
616876	3/8"	25	10.5	13.9	8	39	B	1,70
616877	13/32"	25	10.5	14	8	39	B	1,58
616878	7/16"	25	10.5	15.8	8	39	B	1,55
616879	1/2"	25	10.5	17.8	10	39	B	1,91
616880	9/16"	25	10.5	19.6	10	39	B	1,91

188/2F6p

Swiveling socket 1/4"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered

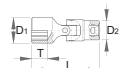


		L	D1	D2	T			
620790	6	35.4	9.2	13.8	5	26	B	9,25
620791	7	37.4	10.5	13.8	5	29	B	9,25
620792	8	37.4	12.2	13.8	5	29	B	9,83
620793	9	37.4	12.2	13.8	5	29	B	9,83
620794	10	39.9	14.7	13.8	6	29	B	9,83
620795	11	39.9	15.9	13.8	6	29	B	10,12
620796	12	39.9	16.9	13.8	6	29	B	10,12
620797	13	39.9	17.9	13.8	7	29	B	10,12

188/2F12p

Swiveling socket 1/4", 12 point

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered



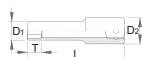
		L	D1	D2	T			
620798	3/16"	35.4	7.7	13.8	4	26	B	9,25
620799	7/32"	35.4	8.6	13.8	4	26	B	9,25
620800	1/4"	35.4	9.5	13.8	4	26	B	9,25
620801	9/32"	37.4	10.7	13.8	5	29	B	9,83
620802	5/16"	37.4	12.2	13.8	5	29	B	9,83
620803	11/32"	37.4	13.1	13.8	5	29	B	9,83
620804	3/8"	39.9	14.7	13.8	5	29	B	9,83
620805	7/16"	39.9	15.9	13.8	6	29	B	10,12
620806	1/2"	39.9	17.9	13.8	7	29	B	10,12



188/2L6p

Socket 1/4", long type

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered
- made according to standard ISO 2725-1 (only metric dimension)

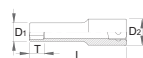


Barcode	Icon	L	D1	D2	T	Icon	Icon	Icon
618697	3.2	50	6	12	8	20	B	2,42
618681	4	50	6.8	11.9	5	20	B	1,80
618682	4.5	50	7.1	11.9	5	20	B	1,80
618683	5	50	8	11.9	5	20	B	1,80
618684	5.5	50	8.3	11.9	5	20	B	1,80
618685	6	50	9.3	11.9	8	20	B	1,80
618686	7	50	10.5	11.9	8	71	B	1,80
618687	8	50	10.5	11.9	8	71	B	1,80
618688	9	50	10.5	13.1	11	71	B	1,97
618689	10	50	10.5	14.5	11	71	B	2,11
618690	11	50	10.5	15.8	11	71	B	2,36
618691	12	50	10.5	16.8	13	71	B	2,36
618692	13	50	10.5	17.8	13	71	B	2,69
618693	14	50	10.5	19.6	16	71	B	2,99
618694	3/16"	50	8	11.9	5	20	B	1,80
618695	7/32"	50	8.3	11.9	5	20	B	1,80
618696	1/4"	50	9.3	11.9	5	71	B	1,80
618697	9/32"	50	10.5	11.9	5	71	B	1,80
618698	5/16"	50	10.5	11.9	5	71	B	1,80
618699	11/32"	50	10.5	12.9	5	71	B	1,97
616900	3/8"	50	10.5	13.9	8	71	B	2,11
616901	13/32"	50	10.5	14	8	71	B	2,36
616902	7/16"	50	10.5	15.8	8	71	B	2,36
616903	1/2"	50	10.5	17.8	10	71	B	2,69
616904	9/16"	50	10.5	19.6	10	71	B	2,99

188/2L12p

Socket 1/4", long type, 12 point

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered
- made according to standard ISO 2725-1 (only metric dimension)

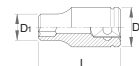


Barcode	Icon	L	D1	D2	T	Icon	Icon	Icon
618698	3.2	50	6	12	8	20	B	2,64
618694	7/32"	50	8.8	11.9	5	20	B	1,80
618695	9/32"	50	10.5	11.9	8	71	B	1,80
618696	11/32"	50	10.5	11.9	11	71	B	1,97

189/2

Socket with internal TX profile 1/4"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered

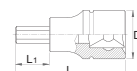


Barcode	Icon	L	D2	D1	Icon	Icon	Icon
607911	E 4	25	12	5.4	15	B	2,55
607912	E 5	25	12	6.7	15	B	2,55
607913	E 6	25	12	7.7	15	B	2,58
607914	E 7	25	12	8.3	15	B	2,58
607915	E 8	25	12	10.1	15	B	2,61
607916	E 10	25	12	11.3	15	B	2,61
607917	E 11	25	12	12.9	15	B	2,68

187/2HX

Hexagonal screwdriver socket 1/4"

- material: socket: chrome vanadium, chrome plated
- material: bit: special tool steel, anticorrosive oiled
- made according to standard DIN 7422 (only metric dimension)
- entirely hardened and tempered

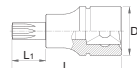


Barcode	Icon	L	L1	D	Icon	Icon	Icon
607898	3	32	13	12	18	B	1,95
607899	4	32	13	12	18	B	1,95
607900	5	32	13	12	18	B	1,95
607901	6	32	13	12	18	B	1,95
607902	7	32	13	12	18	B	1,95

187/2TX

Screwdriver socket with TX profile 1/4"

- material: socket: chrome vanadium, chrome plated
- material: bit: special tool steel, anticorrosive oiled
- entirely hardened and tempered



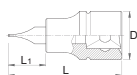
Barcode	Icon	L	L1	D	Icon	Icon	Icon
607903	TX 8	32	13	12	15	B	1,95
607904	TX 10	32	13	12	15	B	1,95
607905	TX 15	32	13	12	15	B	1,95
607906	TX 20	32	13	12	15	B	1,95
607907	TX 25	32	13	12	15	B	1,95
607908	TX 27	32	13	12	15	B	1,95
607909	TX 30	32	13	12	15	B	1,95
607910	TX 40	32	13	12	17	B	1,95

2 Sockets 1/4"

187/2SL

Slotted screwdriver socket 1/4"

- material: socket: chrome vanadium, chrome plated
- material: bit: special tool steel, anticorrosive oiled
- entirely hardened and tempered








	a	b	L	L1	D			
607895	0.8	4	32	13	12	15	B	2,05
607896	1	5.5	32	13	12	15	B	2,05
607897	1.2	7	32	13	12	17	B	2,05

187/2PH

Crosstip screwdriver socket 1/4"

- material: socket: chrome vanadium, chrome plated
- material: bit: special tool steel, anticorrosive oiled
- entirely hardened and tempered

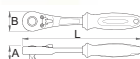






		L	L1	D			
607892	PH 1	32	13	12	14	B	2,05
607893	PH 2	32	13	12	14	B	2,05
607894	PH 3	32	13	12	15	B	2,05

188.1/1ABI

Reversible ratchet 1/4"

- material: special tool steel
- ergonomic heavy duty double component handle
- with 40 - teeth
- body drop forged
- entirely hardened and tempered
- surface finish: chrome plated to standard EN 12540
- made according to standard ISO 3315



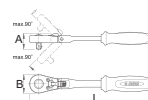
		L	A	B			
611901	1/4"	157	24.5	25	111	B	26,27








188.1/1FBI

Flexible reversible ratchet 1/4"

- material: special tool steel
- ergonomic heavy duty double component handle
- with 40 - teeth
- flexible ratchet allows working with the handle inclination up to max 90° with the 22,5° steps
- body drop forged
- entirely hardened and tempered
- surface finish: chrome plated to standard EN 12540



		L	A	B			
618367	1/4"	180	22	25	127	B	35,78

188.11

Set of spare parts for 188.1/1ABI and 188.1/1FBI





612503	11	30	E	13,01

188.2/2BI

Swivel handle 1/4"

- material: chrome vanadium
- ergonomic heavy duty double component handle
- body drop forged
- surface finish: chrome plated to standard EN 12540
- made according to standard ISO 3315
- entirely hardened and tempered

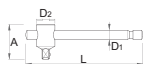


		L			
611902	1/4"	150	81	B	11,52

188.3/2

Sliding T - handle 1/4"

- material: chrome vanadium
- surface finish: chrome plated to standard EN 12540
- made according to standard ISO 3315
- entirely hardened and tempered



Barcode	Material	L	A	D1	D2	Weight	Box	Price
600830	1/4"	120	24	7	14	47	A	5,25

188.4/2

Extension bar 1/4"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered
- made according to standard ISO 3316



Barcode	Material	L	D1	D2	Weight	Box	Price
600826	1/4"	55	8	12	18	B	4,10
600827	1/4"	150	8	12	50	B	4,32

188.4/2F

Flexible extension bar 1/4"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- entirely hardened and tempered



Barcode	Material	L	D1	D2	Weight	Box	Price
612868	1/4"	150	8.3	12	56	B	5,13

188.4/2S

Ball end extension bar 1/4"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered



Barcode	Material	L	D1	D2	Weight	Box	Price
610910	1/4"	150	8	12	51	B	5,00
610911	1/4"	55	8	12	18	B	4,49

188.6/2

Universal joint 1/4"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered
- made according to standard ISO 3316



Barcode	Material	L	D	Weight	Box	Price
607821	1/4"	41	14	35	B	5,60

188.7/2

Adaptor 1/4"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered
- made according to standard ISO 3316

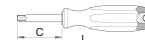


Barcode	Material	L	D	Weight	Box	Price
607976	1/4" - 3/8"	35	12	23	B	2,56

188.8

Spinner handle 1/4"

- material: blade - chrome vanadium, entirely hardened and tempered
- handle - polypropylene
- made according to standard ISO 3315

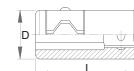


Barcode	Material	L	C	Weight	Box	Price
607349	1/4"	150	50	97	B	8,01

188.9

Adaptor for bits

- for bits E6,3, C6,3
- material: special tool steel
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered



Barcode	Material	L	D	Weight	Box	Price
612867	1/4" - 1/4"	25	12	18	B	2,56

2 Sockets 1/4"

188.10

Socket adaptor

- material: chrome vanadium
- entirely hardened and tempered
- made according to standard DIN 7428

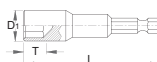


Barcode	Angle	L	Weight	Material	Price
604531	1/4" (6.3) - 1/4"	50	15	A	3,20
616808	1/4" (6.3) - 3/8"	50	20	A	7,99
616809	1/4" (6.3) - 1/2"	50	33	A	9,07

188.10A

Bit with socket wrench

- material: chrome vanadium
- entirely hardened and tempered
- made according to standard DIN 7424



Barcode	Angle	Hex	D1	L	T	Weight	Material	Price
619448	6.3(1/4")	8	12.5	65	3.9	27	A	3,23
618701	6.3(1/4")	10	14.5	65	5	33	A	3,44
618702	6.3(1/4")	13	18	65	6	47	A	3,67
618703	6.3(1/4")	17	23.3	65	9.5	74	A	4,77

188.13

Bits adaptor with 10mm hexagonal drive

- material: chrome vanadium
- entirely hardened and tempered



Barcode	Hex	Angle	Weight	Material	Price
620858	10	1/4"	20	E	2,40
620859	10	5/16"	22	E	2,70

188H

Rail for 1/4" sockets

- dimension 165 - for set 10 pcs 4-13, maximum numbers of clips 13
- dimension 205 - 10 pcs set same dimension (14), maximum numbers of clips 17



Barcode	L	Weight	Material	Price
619088	165	43	E	1,18
619235	205	53	E	1,23

188H1

Set 10 clips for 188H

1/4"









Barcode	Weight	Material	Price
619410	11	E	0,96

188H6P12

Socket set 1/4" on rail








	Nº				
622628	188H6P12	4 - 13 / 12	250	E	18,73
 188/2 6p (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13). 188H (205)					

188H6LP9

Socket set 1/4", long type on rail













	Nº				
622629	188H6LP9	4 - 13 / 9	300	E	19,34
<div><div></div><div></div>188/2L6p (4, 5, 6, 7, 8, 9, 10, 12, 13), 188H (205)</div>					

188BI

Socket set 1/4" in metal box

- Dimension of box: 197 x 105 x 38



	Nº				
611996	188BI	4 - 13 / 16	897	G	75,57
<div><div> 188/2 6p (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13),  188.1/1ABI (1/4"),</div><div> 188.2/2BI (1/4"),  188.3/2 (1/4"),  188.4/2</div><div>(1/4" x 55, 1/4" x 150)</div></div>					

188BI12P16**Socket set 1/4" in metal box**

• Dimension of box: 197 x 105 x 38



Barcode	Nº	Hand	Person	Box	Weight
617118	188BI12P16	4 - 13 / 16	871	G	75,57
188/2 12p (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13), 188.4/2 (1/4" x 55, 1/4" x 150), 188.3/2 (1/4"), 188.1/1ABI (1/4"), 188.2/2BI (1/4")					

188BI6P16INCH**Socket set 1/4" in metal box**

• Dimension of box: 197 x 105 x 38



Barcode	Nº	Hand	Person	Box	Weight
619413	188BI6P16INCH	3/16" - 9/16" / 16	920	G	75,57
188.1/1ABI (1/4"), 188.2/2BI (1/4"), 188.3/2 (1/4"), 188.4/2 (1/4" x 55, 1/4" x 150), 188/2 6p (3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 1/2", 9/16")					

188BI12P16INCH**Socket set 1/4" in metal box**

• Dimension of box: 197 x 105 x 38



Barcode	Nº	Hand	Person	Box	Weight
619414	188BI12P16INCH	3/16" - 9/16" / 16	861	G	75,57
188.1/1ABI (1/4"), 188.2/2BI (1/4"), 188.3/2 (1/4"), 188.4/2 (1/4" x 55, 1/4" x 150), 188/2 12p (3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 1/2", 9/16")					

**188BI6P36****Socket and bits set 1/4"**

• Dimension of box: 244 x 207 x 59



Barcode	Nº	Hand	Person	Box	Weight
621407	188BI6P36	36	813	G	105,53
188/2 6p (5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14), 6469C6,3 (3, 4, 5, 6), 6466C6,3 (PZ 1, PZ 2, PZ 3), 6463C6,3 (PH 1, PH 2, PH 3), 6460C6,3 (0.6 x 4.5, 1.2 x 6.5, 1.2 x 8.0), 6472C6,3 (TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), 188.1/1ABI (1/4"), 188.4/2 (1/4" x 55, 1/4" x 150), 188.6/2 (1/4"), 188.9 (1/4" - 1/4"), 188.8 (1/4")					

188B**Socket set 1/4" in metal box**

• Dimension of box: 321 x 198 x 54



Barcode	Nº	Hand	Person	Box	Weight
615150	188B	44	1990	G	148,93
188/2 6p (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14), 188.1/1ABI (1/4"), 188.3/2 (1/4"), 188.4/2 (1/4" x 55, 1/4" x 150), 188.6/2 (1/4"), 187/2PH (PH 1, PH 2, PH 3), 187/2SL (0.8 x 4, 1 x 5.5, 1.2 x 7), 187/2HX (3, 4, 5, 6, 7), 187/2TX (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), 189/2 (E 4, E 5, E 6, E 7, E 8, E 10, E 11)					

2 Sockets 1/4"

188C

Socket set 1/4" in metal box

• Dimension of box: 321 x 198 x 54



Barcode	Nº	Hand	Weight	Volume	Price
615151	188C	33	1850	122,68	
188/2 6p (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14), 188.1/1AB1 (1/4"), 188.3/2 (1/4"), 188.4/2 (1/4" x 55, 1/4" x 150), 188.6/2 (1/4"), 187/2PH (PH 1, PH 2, PH 3), 187/2HX (3, 4, 5, 6, 7), 187/2TX (TX 8, TX 10, TX 15, TX 25, TX 27, TX 30, TX 40)					

188D

Socket set 1/4" and bits in metal box

• Dimension of box: 197 x 105 x 38



Barcode	Nº	Hand	Weight	Volume	Price
613074	188D	19	722	60,09	
6472C6,3 (TX 6, TX 7, TX 8, TX 9, TX 10, TX 15, TX 20, TX 25), 189/2 (E 4, E 5, E 6, E 7, E 8, E 10, E 11), 188.8 (1/4"), 188.3/2 (1/4"), 188.4/2F (1/4" x 150), 188.9 (1/4" - 1/4")					

188E

Socket set 1/4" and bits in metal box

• Dimension of box: 197 x 105 x 38



Barcode	Nº	Hand	Weight	Volume	Price
613075	188E	26	791	58,90	
188/2 6p (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10), 6460C6,3 (0.5 x 3.0, 0.6 x 4.5, 0.8 x 5.5, 1.0 x 5.5, 1.2 x 6.5), 6463C6,3 (PH 0, PH 1, PH 2, PH 3), 6469C6,3 (3, 4, 5, 6), 188.8 (1/4"), 188.3/2 (1/4"), 188.4/2F (1/4" x 150), 188.9 (1/4" - 1/4")					

186BI

Set of spark plug sockets with accessories 3/8"

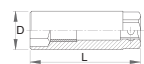








Barcode	Nº	Hand	Weight	Volume	Price
619401	186BI	4	627	69,24	
238.1/1FBI (3/8"), 238.4/2 (3/8" x 45, 3/8" x 75), 186.4/2 (21)					
619402	186BI	4	615	66,63	
238.1/1FBI (3/8"), 238.4/2 (3/8" x 45, 3/8" x 75), 186.4/2 (19)					
619403	186BI	4	560	66,01	
238.1/1FBI (3/8"), 238.4/2 (3/8" x 45, 3/8" x 75), 186.4/2 (16)					

186.4/2

Spark plug socket 3/8"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered









		D	L				
620819	13	17.9	63		68	B	3,54
603193	16	22	63	19	68	B	3,78
620820	18	24.7	63	22	68	B	4,07
603192	19	26	63	22	68	B	4,39
600776	21	27	66	19	68	B	7,00

186.4/2A

Spark plug socket 3/8"

- material: chrome molybdenum
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered

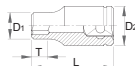


		D	L				
622513	14	18	63	17	58	B	7,60

238/1 6p

Socket 3/8"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- polished
- drop forged, entirely hardened and tempered
- made according to standard ISO 2725-1 (only metric dimension)

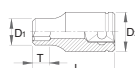


		L	D1	D2	T			
605322	6	28	9.9	16.9	4	28	B	2,16
605323	7	28	10.6	16.9	4	28	B	2,16
605324	8	28	11.8	16.9	5	28	B	2,16
605325	9	28	13.2	16.9	5	29	B	2,16
605326	10	28	14.5	16.9	6	29	B	2,16
605327	11	28	15.7	16.9	7	30	B	2,16
605328	12	28	16.9	16.9	8	31	B	2,16
605329	13	28	17.9	17.9	8	35	B	2,16
605330	14	28	19.6	19.6	10	41	B	2,33
605331	15	28	21	21	10	44	B	2,71
605332	16	30	21.8	21.8	10	52	B	2,77
605333	17	30	23.4	23.4	10	57	B	3,07
605334	18	30	24.7	21	12	57	B	3,07
605335	19	30	25.8	23	12	59	B	3,07
605336	20	32	27.1	24	12	73	B	3,48
605337	21	32	27.8	25	12	73	B	3,57
605338	22	32	29.5	26	14	88	B	3,85
612051	3/8"	28	14.5	16.7	8	30	B	1,78
612052	7/16"	28	15.7	16.7	8	30	B	1,78
612053	1/2"	28	17.75	17.7	8	32	B	1,78
612054	9/16"	28	19.55	19.5	12	39	B	1,99
612055	5/8"	30	21.75	21.7	12	48	B	2,20
612056	11/16"	30	23.3	23.3	12	59	B	2,48
612057	3/4"	30	25.7	23	14	73	B	3,35
612058	13/16"	32	27.7	25	14	88	B	4,41
612059	7/8"	32	29.5	26	14	102	B	4,84

238/1 12p

Socket 3/8", 12 point

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- polished
- drop forged, entirely hardened and tempered
- made according to standard ISO 2725-1 (only metric dimension)



		L	D1	D2	T			
617122	6	28	10.6	16.9	4	28	B	2,16
616905	7	28	10.6	16.9	4	28	B	2,16
616906	8	28	11.8	16.9	5	29	B	2,16
616907	9	28	13.2	16.9	5	29	B	2,16
616908	10	28	14.5	16.9	6	30	B	2,16
616909	11	28	15.7	16.9	7	29	B	2,16
616910	12	28	16.9	16.9	8	28	B	2,16

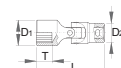


		L	D1	D2	T			
616911	13	28	17.9	17.9	8	32	B	2,16
616912	14	28	19.6	19.6	10	39	B	2,33
616913	15	28	21	21	10	46	B	2,71
616914	16	30	21.8	21.8	10	48	B	2,77
616915	17	30	23.4	23.4	10	49	B	3,07
616916	18	30	24.7	21	12	65	B	3,07
616917	19	30	25.8	23	12	73	B	3,07
616918	20	32	27.1	24	12	86	B	3,48
616919	21	32	27.8	25	12	88	B	3,57
616920	22	32	29.5	26	14	105	B	3,85
616921	23	32	31.5	27	14	120	B	4,17
616922	24	32	31.8	28	14	112	B	5,65
616923	1/4"	28	10.2	16.7	8	28	B	1,78
616924	5/16"	28	11.8	16.7	8	29	B	1,78
616925	3/8"	28	14.5	16.7	8	30	B	1,78
616926	7/16"	28	15.7	16.7	8	29	B	1,78
616927	1/2"	28	15.7	17.7	8	32	B	1,78
616928	9/16"	28	15.7	19.5	12	39	B	1,99
616929	5/8"	30	15.7	21.7	12	48	B	2,20
616930	11/16"	30	15.7	23.3	12	59	B	2,48
616931	3/4"	30	25.7	23	14	73	B	3,35
616932	13/16"	32	27.7	25	14	88	B	4,41
616933	7/8"	32	29.5	26	14	105	B	4,84
616934	15/16"	32	31.7	28	14	112	B	5,12
616935	1"	32	33.7	30	14	132	B	6,68

238/1F12p

Swiveling socket 3/8"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- polished
- drop forged, entirely hardened and tempered



		L	D1	D2	T			
619793	10	51	14.2	18.8	6	57	B	7,30
619794	11	52	15.5	18.8	7	57	B	7,30
619795	12	52	16.7	18.8	8	61	B	7,30
619796	13	53	18	18.8	8	65	B	7,30
619797	14	53	19	18.8	10	65	B	7,41
619798	15	54	20.5	18.8	10	70	B	7,52
619799	16	54	21.7	18.8	10	70	B	7,52
619800	17	56	23	18.8	10	68	B	7,52
619801	18	56	24.2	18.8	12	75	B	7,90
619802	19	57	25.5	18.8	12	75	B	7,90

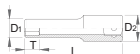


2 Sockets 3/8"

238/1L6p

Socket 3/8", long type

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- polished
- drop forged, entirely hardened and tempered
- made according to standard ISO 2725-1 (only metric dimension)

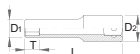


		L	D1	D2	T				
612036	8	63	11.8	16.8	9	55	B		4,34
612037	9	63	13.2	16.8	9	58	B		4,34
612038	10	63	14.5	16.8	9	61	B		4,42
612039	11	63	15.7	16.8	12	67	B		4,42
612040	12	63	16.8	16	12	75	B		4,42
612041	13	63	17.8	16.5	12	81	B		4,42
612042	14	63	19.55	17	15	91	B		4,42
612043	15	63	20.75	18	15	117	B		4,49
612044	16	63	21.75	19	15	107	B		4,62
612045	17	63	23.3	20	15	128	B		4,83
612046	18	63	24.5	21	18	112	B		5,52
612047	19	63	25.7	23	18	147	B		5,73
612048	20	63	27	24	18	157	B		5,87
612049	21	63	27.7	25	18	165	B		6,06
612050	22	63	29.5	26	21	200	B		6,61

238/1L12p

Socket 3/8", long type, 12 point

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- polished
- drop forged, entirely hardened and tempered
- made according to standard ISO 2725-1 (only metric dimension)



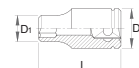
		L	D1	D2	T				
616936	7	63	10.6	16.9	6	55	B		4,34
616937	8	63	11.8	16.9	9	56	B		4,34
616938	9	63	13.2	16.9	9	58	B		4,42
616939	10	63	14.5	16.9	9	61	B		4,42
616940	11	63	15.7	16.9	12	67	B		4,42
616941	12	63	16.8	16.9	12	75	B		4,42
616942	13	63	17.8	17.9	12	81	B		4,42
616943	14	63	19.6	19.6	15	91	B		4,42
616944	15	63	21	21	15	117	B		4,49
616945	16	63	21.8	21.8	15	107	B		4,62
616946	17	63	23.4	23.4	15	128	B		4,83
616947	18	63	24.7	21	18	158	B		5,52
616948	19	63	25.8	23	18	147	B		5,73
616949	20	63	27.1	24	18	167	B		5,87
616950	21	63	27.8	25	18	165	B		6,06
616951	22	63	29.5	26	21	200	B		6,61
616952	23	63	31.5	27	21	215	B		8,90
616953	24	63	31.8	28	21	215	B		9,18

		L	D1	D2	T				
616954	1/4"	63	9.9	16.8	6	55	B		4,21
616955	5/16"	63	11.8	16.8	9	56	B		4,21
616956	3/8"	63	14.5	16.8	9	61	B		4,21
616957	7/16"	63	15.7	16.8	12	67	B		4,21
616958	1/2"	63	17.8	16.5	12	81	B		4,21
616959	9/16"	63	19.5	17	15	91	B		4,21
616960	5/8"	63	21.7	19	15	107	B		4,41
616961	11/16"	63	23.3	20	15	128	B		4,61
616962	3/4"	63	25.7	23	18	147	B		5,46
616963	13/16"	63	27.7	25	18	165	B		5,81
616964	7/8"	63	29.5	26	21	200	B		6,37
616965	15/16"	63	31.7	28	21	215	B		9,04

237/1

Socket 3/8" with internal TX profile

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered

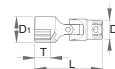


		L	L1	D2	D1				
612121	E 8	28	11	16.8	12	30	B		4,22
612122	E 10	28	11	16.8	13.5	32	B		4,22
612123	E 11	28	11	16.8	14	30	B		4,22
612124	E 12	28	11	16.8	15	32	B		4,22
612125	E 14	28	11	17.8	17	37	B		4,22
612126	E 16	28	11	19.8	19	45	B		4,22

237/1F

Swiveling socket 3/8" with internal TX profile

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered



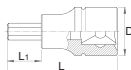
		L	D1	D2	T				
620811	E8	51.4	18.8	11.2	5.9	67	B		13,10
620812	E10	51.4	18.8	13.2	6.6	67	B		13,71
620813	E12	51.4	18.8	14.8	8.2	67	B		14,52
620814	E14	51.4	18.8	16.8	9.5	67	B		14,52



236/2HX

Hexagonal screwdriver socket 3/8"

- material: socket: chrome vanadium, chrome plated
- material: bit: special tool steel, anticorrosive oiled
- made according to standard DIN 7422 (only metric dimension)
- entirely hardened and tempered

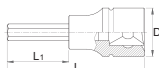


Barcode	Hex	L	L1	D	Weight	Material	Price
612082	4	48	22	18	39	B	5,21
612083	5	48	22	18	39	B	5,21
612084	6	48	22	18	41	B	5,21
612085	8	48	22	18	45	B	5,21
612086	10	48	22	18	56	B	5,46
617662	1/8"	48	22	18	39	B	5,03
617663	9/64"	48	22	18	39	B	5,03
617664	5/32"	48	22	18	39	B	5,03
617665	3/16"	48	22	18	39	B	5,03
617666	7/32"	48	22	18	41	B	5,03
617667	1/4"	48	22	18	41	B	5,03
617668	5/16"	48	22	18	45	B	5,03
617669	3/8"	48	22	18	56	B	5,28

236/2HXL

Long hexagonal screwdriver socket 3/8"

- material: socket: chrome vanadium, chrome plated
- material: bit: special tool steel, anticorrosive oiled
- made according to standard DIN 7422 (only metric dimension)
- entirely hardened and tempered

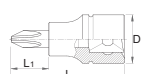


Barcode	Hex	L	L1	D	Weight	Material	Price
612087	4	92	66	18	65	B	6,15
612088	5	92	66	18	65	B	6,15
612089	6	92	66	18	65	B	6,15
612090	8	92	66	18	65	B	6,15
612091	10	92	66	18	65	B	6,45

236/2PH

Crosstip screwdriver socket 3/8"

- material: socket: chrome vanadium, chrome plated
- material: bit: special tool steel, anticorrosive oiled
- entirely hardened and tempered



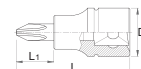
Barcode	Hex	D	L	L1	Weight	Material	Price
612092	PH 1	18	48	22	39	B	7,04
612093	PH 2	18	48	22	39	B	7,04
612094	PH 3	18	48	22	39	B	7,04



236/2PZ

Double crosstip screwdriver socket 3/8"

- material: socket: chrome vanadium, chrome plated
- material: bit: special tool steel, anticorrosive oiled
- entirely hardened and tempered

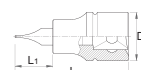


Barcode	Hex	D	L	L1	Weight	Material	Price
612095	PZ 1	18	48	22	39	B	8,06
612096	PZ 2	18	48	22	39	B	8,06
612097	PZ 3	18	48	22	39	B	8,06

236/2SL

Slotted screwdriver socket 3/8"

- material: socket: chrome vanadium, chrome plated
- material: bit: special tool steel, anticorrosive oiled
- entirely hardened and tempered

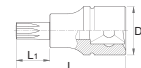


Barcode	Hex	D	L	L1	Weight	Material	Price
612098	5.5	18	48	22	42	B	8,06
612099	8	18	48	22	45	B	8,06
612100	10	18	48	22	55	B	8,06

236/2TR

Screwdriver socket 3/8" with TX profile and hole

- material: socket: chrome vanadium, chrome plated
- material: bit: special tool steel, anticorrosive oiled
- entirely hardened and tempered



Barcode	Hex	D	L	L1	Weight	Material	Price
619829	20	18	92	66	50	B	7,27
619830	25	18	92	66	51	B	7,27
619831	27	18	92	66	52	B	7,27
619832	30	18	92	66	53	B	7,26
619833	40	18	92	66	54	B	7,26
619834	45	18	92	66	55	B	7,26
619835	50	18	92	66	62	B	7,26

2 Sockets 3/8"

236/2TX

Screwdriver socket 3/8" with TX profile

- material: socket: chrome vanadium, chrome plated
- material: bit: special tool steel, anticorrosive oiled
- entirely hardened and tempered

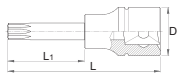


Barcode	Star	D	L	L1	Weight	Box	Price
612101	TX 15	18	48	22	39	B	6,92
612102	TX 20	18	48	22	39	B	6,92
612103	TX 25	18	48	22	39	B	6,92
612104	TX 27	18	48	22	39	B	7,24
612105	TX 30	18	48	22	39	B	7,24
612106	TX 40	18	48	22	40	B	7,58

236/2TXL

Long screwdriver socket 3/8" with TX profile

- material: socket: chrome vanadium, chrome plated
- material: bit: special tool steel, anticorrosive oiled
- entirely hardened and tempered

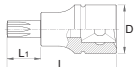


Barcode	Star	L	L1	D	Weight	Box	Price
612107	TX 15	92	66	18	50	B	7,68
612108	TX 20	92	66	18	50	B	7,68
612109	TX 25	92	66	18	50	B	7,68
612110	TX 27	92	66	18	50	B	7,68
612111	TX 30	92	66	18	50	B	7,68
612112	TX 40	92	66	18	51	B	7,68

236/2ZX

Screwdriver socket 3/8" with ZX profile

- material: socket: chrome vanadium, chrome plated
- material: bit: special tool steel, anticorrosive oiled
- entirely hardened and tempered
- made according to standard DIN 2324

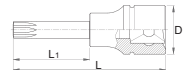


Barcode	Star	L	L1	D	Weight	Box	Price
612113	M5	48	22	18	37	B	8,06
612114	M6	48	22	18	39	B	8,06
612115	M8	48	22	18	46	B	8,06
612116	M10	48	22	18	54	B	9,14

236/2ZX

Long screwdriver socket 3/8" with ZX profile

- material: socket: chrome vanadium, chrome plated
- material: bit: special tool steel, anticorrosive oiled
- entirely hardened and tempered
- made according to standard DIN 2324

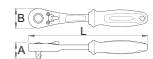


Barcode	Star	L	L1	D	Weight	Box	Price
612117	M6	92	66	18	51	B	8,79
612118	M8	92	66	18	61	B	8,79
612119	M10	92	66	18	65	B	9,88

238.1/1ABI

Reversible ratchet 3/8"

- material: special tool steel
- ergonomic heavy duty double component handle
- 75 - teeth
- body drop forged
- entirely hardened and tempered
- surface finish: chrome plated to standard EN 12540
- made according to standard ISO 3315

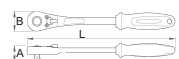


Barcode	Size	L	A	B	Weight	Box	Price
612501	3/8"	200	30	35	239	B	32,25

238.1/1ALBI

Reversible ratchet 3/8", long form

- material: special tool steel
- ergonomic heavy duty double component handle
- 75 - teeth
- body drop forged
- entirely hardened and tempered
- surface finish: chrome plated to standard EN 12540
- made according to standard ISO 3315



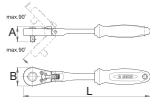
Barcode	Size	L	A	B	Weight	Box	Price
617631	3/8"	260	30	35	274	B	31,98

238.1/1FBI

Flexible reversible ratchet 3/8"

3/8"

- material: special tool steel
- ergonomic heavy duty double component handle
- 75 - teeth
- flexible ratchet allows working with the handle inclination up to max 90° with the 22,5° grade of inclination
- body drop forged
- entirely hardened and tempered
- surface finish: chrome plated to standard EN 12540



Barcode	Material	L	A	B	Weight	Price	Price
618368	3/8"	260	30	35	322	B	47,23

238.11

Set of spare parts for 238.1/1ABI



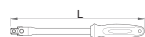
Barcode	Material	Weight	Price	Price
612505	8	66	E	13,25

238.2/1BI

Swivel handle 3/8"

3/8"

- material: chrome molybdenum
- ergonomic heavy duty double component handle
- body drop forged
- surface finish: chrome plated to standard EN 12540
- made according to standard ISO 3315
- entirely hardened and tempered



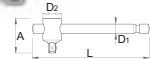
Barcode	Material	L	Weight	Price	Price
612502	3/8"	210	188	B	13,05

238.3/1

Sliding T-handle 3/8"

3/8"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- polished head
- made according to standard ISO 3315
- entirely hardened and tempered



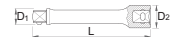
Barcode	Material	L	A	D1	D2	Weight	Price	Price
605341	3/8"	165	34	10.4	19	149	A	7,41

238.4/2

Extension bar 3/8"

3/8"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered
- made according to standard ISO 3316



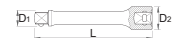
Barcode	Material	L	D1	D2	Weight	Price	Price
600777	3/8"	45	12.5	18	48	B	4,20
600778	3/8"	75	12.5	18	76	B	6,33

238.4/1

Extension bar 3/8"

3/8"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- polished head
- drop forged, entirely hardened and tempered
- made according to standard ISO 3316



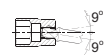
Barcode	Material	L	D1	D2	Weight	Price	Price
605343	3/8"	125	12.5	18	121	B	7,61
605342	3/8"	250	12.5	18	233	B	8,67

238.4/1S

Ball end extension bar 3/8"

3/8"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- polished head
- drop forged, entirely hardened and tempered



Barcode	Material	L	D1	D2	Weight	Price	Price
610913	3/8"	125	12.5	18	120	B	5,92

2 Sockets 3/8"

238.5/2

Offset handle 3/8"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- made according to standard ISO 3315
- drop forged, entirely hardened and tempered



611962	3/8"	L1	L2	D			
		200	45	10	145	A	6,60

238.6/1

Universal joint 3/8"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered
- made according to standard ISO 3316



605344	3/8"	L	D				
		54	19	72	B		6,72

238.7/1

Adaptor 3/8"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- polished head
- drop forged, entirely hardened and tempered
- made according to standard ISO 3316



607977	3/8" - 1/4"	D	L				
		18	32	38	B		2,13

238.7/2

Adaptor 3/8"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered
- made according to standard ISO 3316



605345	3/8" - 1/2"	D	L				
		17	38	38	B		2,66

238.12

Quick-release bit holder 3/8"

- material: special tool steel
- surface finish: phosphated to standard DIN 12476
- drop forged, entirely hardened and tempered



620855	3/8" - 1/4"	L	D				
		33	19	56	E		14,63

238H

Rail for 3/8" sockets

- dimension 260 - for set 10 pcs 6-22, maximum numbers of clips 15
- dimension 345 - 10 pcs set same dimension (22), maximum numbers of clips 20



619089	L			
	260	69	E	1,51
619236	L			
	345	84	E	1,56

238H1

10 pieces set of socket clips for 238H



619411				
	16	E		1,10

239A

Socket set 3/8" in metal box

- Dimension of box: 321 x 198 x 54



612509	Nº				
	239A	6 - 22 / 24	2935	G	147,63
	238/1 6p (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22), 238.3/1 (3/8"), 238.4/1 (3/8" x 250, 3/8" x 125), 238.6/1 (3/8"), 238.1/1ABI (3/8"), 238.2/1BI (3/8"), 238.7/2 (3/8" - 1/2")				

239A12P24**Socket set 3/8" in metal box**

• Dimension of box: 321 x 198 x 54



Barcode	Nº	Hand	Weight	Box	Price
617117	239A12P24	6 - 22 / 24	2920	G	147,63

238/1 12p (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22),
238.3/1 (3/8"), **238.4/1** (3/8" x 250, 3/8" x 125),
238.6/1 (3/8"), **238.1/1ABI** (3/8"),
238.2/1BI (3/8"), **238.7/2** (3/8" - 1/2")

239B**Socket set 3/8" in metal box**

• Dimension of box: 321 x 198 x 54



Barcode	Nº	Hand	Weight	Box	Price
612510	239B	3/8" - 7/8" / 16	3670	G	126,98

238.3/1 (3/8"), **238.4/1** (3/8" x 250, 3/8" x 125),
238.6/1 (3/8"), **238/1 6p** (3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8"),
238.1/1ABI (3/8"), **238.2/1BI** (3/8"),
238.7/2 (3/8" - 1/2")

239C**Socket set 3/8" in metal box**

• Dimension of box: 321 x 198 x 54



Barcode	Nº	Hand	Weight	Box	Price
613072	239C	30	2930	G	182,96

238/1 6p (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22), **238.3/1** (3/8"),
238.4/1 (3/8" x 250, 3/8" x 125), **238.6/1** (3/8"),
236/2HX (4, 5, 6, 8), **236/2PH** (PH 2, PH 3), **236/2SL** (5.5, 8),
238.1/1ABI (3/8")

239D**Socket set 3/8" in metal box**

• Dimension of box: 321 x 198 x 54



Barcode	Nº	Hand	Weight	Box	Price
613073	239D	30	3190	G	184,98

238/1 6p (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19),
238.3/1 (3/8"), **238.4/1** (3/8" x 250, 3/8" x 125),
238.6/1 (3/8"), **238.5/2** (3/8"), **236/2HX** (4, 5, 6, 8, 10),
236/2HXL (4, 5, 6, 8, 10), **238.1/1ABI** (3/8")

238H6P16**Socket set 3/8" on rail**

Barcode	Nº	Hand	Weight	Box	Price
622630	238H6P16	7 - 22 / 16	700	E	44,64

238/1 6p (7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22), **238H** (345)

238H6LP7**Socket set 3/8", long type on rail**

Barcode	Nº	Hand	Weight	Box	Price
622631	238H6LP7	10 - 19 / 7	600	E	34,27

238/1L6p (10, 12, 13, 14, 15, 17, 19), **238H** (345)

2 Sockets 3/8"

238HHXP5

Hexagon screwdriver socket set 3/8" on rail



Barcode	Nº	Hand	Person	Tool	Weight
622632	238HHXP5	4 - 10 / 5	300	E	27,88
236/2HX (4, 5, 6, 8, 10), 238H (345)					

238HTXP6

Screwdriver socket set with TX profile 3/8" on rail

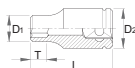


Barcode	Nº	Hand	Person	Tool	Weight
622633	238HTXP6	TX 15 - TX 40 / 6	250	E	44,39
236/2TX (TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), 238H (345)					

190/1 6p

Socket 1/2"

- material: chrome molybdenum
- surface finish: chrome plated according to EN12540
- polished
- drop forged, entirely hardened and tempered
- made according to standard ISO 2725-1 (only metric dimension)



Barcode	Hex	L	D1	D2	T	Weight	Tool	Weight
605307	8	38	13.2	22.9	12	55	B	3,21
610155	9	38	13.9	22.9	12	55	B	3,21
600851	10	38	15	22.9	12	55	B	3,21
600852	11	38	16.3	22.9	12	55	B	3,21
600853	12	38	17.9	22.9	12	65	B	3,21
600854	13	38	18.8	22.9	12	65	B	3,21
600855	14	38	19.7	22.9	12	65	B	3,21
600856	15	38	20.4	22.9	12	65	B	3,21
600857	16	38	22.9	21.5	12	85	B	3,21
600858	17	38	24.3	22	12	95	B	4,13
600859	18	38	25.5	23	12	100	B	4,13
600860	19	38	26.8	24	14	105	B	4,13
600861	20	38	28.1	24	14	115	B	4,30
600862	21	38	29.3	25	14	128	B	4,30
600863	22	38	30.4	25	14	142	B	4,37
600864	23	40	31.7	26	14	147	B	4,87
600865	24	42	33.1	28	16	165	B	4,87
600866	25	42	34.2	29	16	126	B	4,87

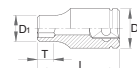


Barcode	Hex	L	D1	D2	T	Weight	Tool	Weight
600867	26	42	35.3	30	16	126	B	4,94
600868	27	43	37	30	18	180	B	5,36
600869	28	43	38	31	20	185	B	5,36
610156	29	43	39	32	20	185	B	5,81
600871	30	46	40.7	34	22	195	B	5,81
600872	32	46	43.2	36	22	237	B	5,81
610105	5/16"	38	13.2	22.9	12	55	B	3,37
610106	3/8"	38	15	22.9	12	55	B	3,37
610107	7/16"	38	16.3	22.9	12	55	B	3,37
610108	1/2"	38	18.8	22.9	12	65	B	3,37
610109	9/16"	38	20.4	22.9	12	65	B	3,37
610110	5/8"	38	22.9	21.5	12	85	B	3,37
610111	11/16"	38	25.5	23	12	95	B	4,33
610112	3/4"	38	26.8	24	14	105	B	4,33
610113	13/16"	38	29.3	25	14	128	B	4,52
610114	7/8"	40	31.7	26	14	142	B	4,52
610115	15/16"	42	33.1	28	16	165	B	5,12
610116	1"	42	35.3	30	16	126	B	5,20
610117	1.1/16"	43	37	30	18	180	B	5,62
610118	1.1/8"	43	39	32	20	185	B	5,62
610119	1.3/16"	46	40.7	34	22	237	B	6,08
610120	1.1/4"	46	43.2	36	22	55	B	6,08

190/1 12p

Socket 1/2", 12 point

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- polished
- drop forged, entirely hardened and tempered
- made according to standard ISO 2725-1 (only metric dimension)



Barcode	Hex	D1	D2	L	T	Weight	Tool	Weight
603812	10	15	22.9	38	12	55	B	3,21
603813	11	16.3	22.9	38	12	55	B	3,21
603814	12	17.9	22.9	38	12	65	B	3,21
603815	13	18.8	22.9	38	12	65	B	3,21
603816	14	19.7	22.9	38	12	65	B	3,21
603817	15	20.4	22.9	38	12	65	B	3,21
603818	16	22.9	21.5	38	12	65	B	3,21
603819	17	24.3	22	38	12	65	B	4,13
603820	18	25.5	23	38	12	100	B	4,13
603821	19	26.8	24	38	14	105	B	4,13
603822	20	28.1	24	38	14	115	B	4,30
603823	21	29.3	25	38	14	128	B	4,30
603824	22	30.4	25	38	14	142	B	4,37
603825	23	31.7	26	40	14	147	B	4,87
603826	24	33.1	28	42	16	165	B	4,87
603827	27	37	30	43	18	180	B	5,36
603828	30	40.7	34	46	22	195	B	5,81
603829	32	43.2	36	46	22	237	B	5,81
621722	36	48	42	46	22	245	B	8,71
609366	3/8"	15	22.9	38	12	55	B	3,56
609367	7/16"	16.3	22.9	38	12	55	B	3,56
609368	1/2"	18.8	22.9	38	12	65	B	3,84
609369	9/16"	20.4	22.9	38	12	65	B	3,84
609370	19/32"	20.4	20.7	38	12	65	B	3,95
609371	5/8"	22.9	21.5	38	12	65	B	3,95
609372	11/16"	25.5	23	38	12	65	B	3,95



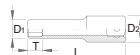


		D1	D2	L	T			
609373	3/4"	26.8	24	38	14	105	B	4,44
609374	25/32"	27.9	24	38	14	115	B	5,29
609375	13/16"	29.3	25	38	14	128	B	5,29
609376	7/8"	31.7	26	40	14	142	B	4,77
609377	15/16"	33.1	28	42	16	165	B	5,12
609378	1"	35.3	30	42	16	170	B	5,36
609379	1.1/16"	37	30	43	18	180	B	5,84
609380	1.1/8"	39	32	43	20	190	B	6,45
609381	1.3/16"	40.7	34	46	22	195	B	6,89
609382	1.1/4"	43.2	36	46	22	237	B	7,19

190/1L12p

Socket 1/2", long type, 12 point

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- polished
- drop forged, entirely hardened and tempered
- made according to standard ISO 2725-1 (only metric dimension)



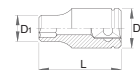
		D1	D2	L	T			
610762	10	15	22	77	12	85	B	6,84
610763	11	16.3	22	77	12	110	B	6,84
610764	12	17.6	22	77	12	100	B	6,84
610765	13	18.8	22	77	12	107	B	6,84
610766	14	20.4	22	77	15	112	B	6,84
610767	15	21.6	20.7	77	15	107	B	6,84
610768	16	22.9	21.5	77	15	121	B	6,84
610769	17	24	22	77	15	130	B	7,05
610770	18	25.4	23	77	18	150	B	7,05
610771	19	26	21	77	18	140	B	7,05
610772	20	27.9	24	77	18	176	B	7,34
610773	21	28	25	77	18	166	B	7,34
610774	22	30	26	77	21	197	B	7,47
610775	23	31.6	27	77	21	226	B	8,31
610776	24	32	28	77	24	223	B	8,31
610777	27	36	30	77	27	277	B	11,19
610778	30	40	34	77	30	317	B	12,07
610779	32	42	36	77	33	335	B	12,07
610780	3/8"	15	22	77	12	85	B	7,62
610781	7/16"	16.3	22	77	12	110	B	7,62
610782	1/2"	18.8	22	77	15	100	B	8,20
610783	9/16"	20.4	22	77	15	112	B	8,20
610784	19/32"	21.6	20.7	77	15	107	B	8,42
610785	5/8"	22.9	21.5	77	15	121	B	8,42
610786	11/16"	24	22	77	15	130	B	8,42
610787	3/4"	26	23	77	18	140	B	9,47
610788	25/32"	27.9	24	77	18	176	B	11,28
610789	13/16"	28	25	77	18	166	B	11,28
610790	7/8"	30	26	77	21	197	B	10,15
610791	15/16"	32	28	77	24	223	B	10,91
610792	1"	34	30	77	24	245	B	11,44
610793	1.1/16"	36	30	77	27	277	B	12,42
610794	1.1/8"	38	32	77	27	295	B	13,77
610795	1.3/16"	40	34	77	30	317	B	14,69
610796	1.1/4"	42	36	77	33	335	B	15,36

191/1

Socket with internal TX profile 1/2"



- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- polished
- drop forged, entirely hardened and tempered



		D2	D1	L			
607141	E 10	22	14	38	58	B	5,04
607142	E 11	22	15	38	52	B	5,04
607143	E 12	22	15	38	55	B	5,04
607144	E 14	22	17	38	57	B	5,04
607145	E 16	22	19	38	62	B	5,04
607146	E 18	22	21	38	78	B	5,38
607147	E 20	26	23	40	95	B	5,69
607148	E 22	26	25.3	40	105	B	6,00
607149	E 24	28	27.3	40	119	B	6,52

191MB1

Set of sockets with internal TX profile 1/2" in metal box



- Dimension of box: 197 x 105 x 38



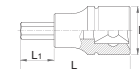
	Nº				
607314	191MB1	9	1000	F	56,69
191/1 (E 10, E 11, E 12, E 14, E 16, E 18, E 20, E 22, E 24)					

192/2HX

Hexagonal screwdriver socket 1/2"



- material: socket: chrome vanadium, chrome plated
- material: bit: special tool steel, anticorrosive oiled
- made according to standard DIN 7422 (only metric dimension)
- entirely hardened and tempered



		D	L	L1			
600978	4	23	60	24	60	B	4,35
603420	5	23	60	24	60	B	4,35
603421	6	23	60	24	60	B	4,35
603422	7	23	60	24	75	B	4,46
603423	8	23	60	24	81	B	4,46
605923	9	23	60	24	85	B	4,63



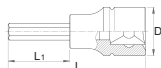
2 Sockets 1/2"

Barcode	Hex	D	L	L1	Weight	Material	Price
603424	10	23	60	24	95	B	4,63
603425	12	23	60	24	116	B	4,78
603426	14	23	60	24	168	B	6,20
603427	17	24	60	20	187	B	6,78
603428	19	26.5	60	20	195	B	7,22
619894	3/16"	22.9	40	24	60	B	4,35
619895	7/32"	22.9	40	24	60	B	4,35
619896	1/4"	22.9	40	24	60	B	4,35
619898	5/16"	22.9	40	24	81	B	4,46
619899	3/8"	22.9	40	24	95	B	4,63
619900	1/2"	22.9	40	24	116	B	4,63
619901	9/16"	22.9	40	24	168	B	4,78
619902	5/8"	22.9	40	24	187	B	6,20
619904	3/4"	26.8	40	21	195	B	7,22

192/2HXL

Long hexagonal screwdriver socket 1/2"

- material: socket: chrome vanadium, chrome plated
- material: bit: special tool steel, anticorrosive oiled
- made according to standard DIN 7422 (only metric dimension)
- entirely hardened and tempered

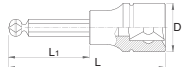


Barcode	Hex	D	L	L1	Weight	Material	Price
603380	5	22.9	100	64	67	B	5,17
619803	5	22.9	203	167	85	B	5,51
603381	6	22.9	100	64	67	B	5,17
619804	6	22.9	163	127	91	B	5,45
619805	6	22.9	183	147	95	B	5,51
603383	7	22.9	100	64	67	B	5,32
603384	8	22.9	100	64	67	B	5,32
619806	8	22.9	143	107	115	B	5,74
603386	10	22.9	100	64	117	B	5,52
619807	10	22.9	163	127	163	B	6,47
603455	12	22.9	100	64	139	B	5,52
619808	12	22.9	163	127	205	B	7,11
619415	14	22.9	100	64	165	B	5,57
619809	14	22.9	163	127	255	B	7,91

192/2HXL

Ball end screwdriver socket, long type 1/2"

- material: socket: chrome vanadium, chrome plated
- material: bit: special tool steel, anticorrosive oiled
- entirely hardened and tempered



Barcode	Hex	L	D	L1	Weight	Material	Price
618704	5	203	22.9	180	83	B	6,81
619810	6	163	22.9	127	113	B	6,11
618705	6	243	22.9	220	107	B	7,14
619811	7	163	22.9	127	103	B	6,31

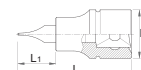


Barcode	Hex	L	D	L1	Weight	Material	Price
619812	8	163	22.9	127	121	B	6,58
618706	8	243	22.9	220	163	B	7,78
619813	10	163	22.9	127	159	B	7,39
618707	10	243	22.9	220	213	B	8,59

192/2SL

Slotted screwdriver socket 1/2"

- material: socket: chrome vanadium, chrome plated
- material: bit: special tool steel, anticorrosive oiled
- entirely hardened and tempered

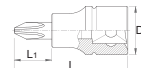


Barcode	a	b	D	L	L1	Weight	Material	Price
605551	1.2	8	22.9	63	27	77	B	5,74
605552	1.6	10	22.9	63	27	77	B	6,04
605553	2	12	22.9	63	27	77	B	6,20
605554	2.5	14	22.9	63	27	77	B	7,80
605555	2.5	16	22.9	63	27	77	B	9,86

192/2PH

Crosstip screwdriver socket 1/2"

- material: socket: chrome vanadium, chrome plated
- material: bit: special tool steel, anticorrosive oiled
- entirely hardened and tempered

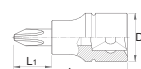


Barcode	+	D	L	L1	Weight	Material	Price
605556	PH 2	22.9	54	18	72	B	6,33
605557	PH 3	22.9	54	18	75	B	6,33
605558	PH 4	22.9	57	21	86	B	7,46

192/2PZ

Double - crosstip screwdriver socket 1/2"

- material: socket: chrome vanadium, chrome plated
- material: bit: special tool steel, anticorrosive oiled
- entirely hardened and tempered



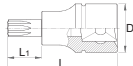
Barcode	+	D	L	L1	Weight	Material	Price
605559	PZ 2	22.9	54	18	72	B	6,88
605560	PZ 3	22.9	54	18	75	B	6,88
605561	PZ 4	22.9	57	21	86	B	8,16



192/2R

Screwdriver socket 1/2" with Ribe profile

- material: socket: chrome vanadium, chrome plated
- material: bit: special tool steel, anticorrosive oiled
- entirely hardened and tempered

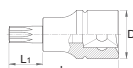


		D	L	L1			
619891	M 5	22.9	43	17	82	B	6,27
619892	M 6	22.9	43	17	83	B	6,27
619893	M 7	22.9	43	17	83	B	6,27
619814	M 8	22.9	43	17	83	B	6,27
619815	M 9	22.9	43	17	84	B	6,27
619816	M 10	22.9	43	17	86	B	6,27
619817	M 12	22.9	43	17	92	B	6,67
619818	M 13	22.9	43	17	99	B	7,15
619819	M 14	22.9	43	17	99	B	7,15

192/2TR

Screwdriver socket 1/2" with TX profile and hole

- material: socket: chrome vanadium, chrome plated
- material: bit: special tool steel, anticorrosive oiled entirely hardened and tempered

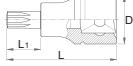


		D	L	L1			
619820	20	22.9	58	22	71	B	6,60
619821	25	22.9	58	22	72	B	6,60
619822	27	22.9	58	22	72	B	6,60
619823	30	22.9	58	22	74	B	6,60
619824	40	22.9	58	22	75	B	6,55
619825	45	22.9	58	22	86	B	6,93
619826	50	22.9	58	22	89	B	6,93
619827	55	22.9	58	22	102	B	7,85
619828	60	22.9	58	22	95	B	8,53

192/2TX

Screwdriver socket 1/2" with TX profile

- material: socket: chrome vanadium, chrome plated
- material: bit: special tool steel, anticorrosive oiled entirely hardened and tempered



		D	L	L1			
605562	TX 20	22.9	52	16	71	B	5,97

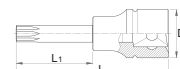


		D	L	L1			
605563	TX 25	22.9	52	16	73	B	5,97
605564	TX 27	22.9	52	16	73	B	5,97
605565	TX 30	22.9	52	16	75	B	6,08
605566	TX 40	22.9	52	16	77	B	6,45
605567	TX 45	22.9	52	16	78	B	6,45
605568	TX 50	22.9	52	16	80	B	6,71
605569	TX 55	22.9	57	21	85	B	8,03
605570	TX 60	22.9	57	21	96	B	8,03

192/2TXL

Long screwdriver socket 1/2" with TX profile

- material: socket: chrome vanadium, chrome plated
- material: bit: special tool steel, anticorrosive oiled
- entirely hardened and tempered

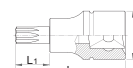


		D	L	L1			
619857	TX 70	24.3	105	65	253	B	9,54
619858	TX 80	24.3	105	65	261	B	11,42
619859	TX 90	26.8	105	65	363	B	13,04
619860	TX 100	26.8	105	65	325	B	14,31
612422	TX 20	22.9	100	64	76	B	7,38
612423	TX 25	22.9	100	64	86	B	7,38
612424	TX 27	22.9	100	64	86	B	7,38
612425	TX 30	22.9	100	64	86	B	7,41
612426	TX 40	22.9	100	64	90	B	7,98
612427	TX 45	22.9	100	64	92	B	7,98
612428	TX 50	22.9	100	64	94	B	8,31
612429	TX 55	22.9	100	64	100	B	9,94
612430	TX 60	22.9	100	64	110	B	9,94

192/2ZX

Screwdriver socket 1/2" with ZX profile

- material: socket: chrome vanadium, chrome plated
- material: bit: special tool steel, anticorrosive oiled
- entirely hardened and tempered



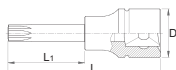
		D	L	L1			
612165	M 5	22.9	52	16	72	B	6,01
612166	M 6	22.9	52	16	70	B	6,01
612167	M 8	22.9	52	16	80	B	6,01
612168	M 10	22.9	57	21	84	B	6,59
612169	M 12	22.9	57	21	90	B	6,59
612170	M 14	22.9	57	21	97	B	7,19
620257	M 16	22.9	57	21	155	B	7,83

2 Sockets 1/2"

192/2ZXL

Long screwdriver socket 1/2" with ZX profile

- material: socket: chrome vanadium, chrome plated
- material: bit: special tool steel, anticorrosive oiled
- entirely hardened and tempered



Barcode	Star	D	L	L1	Person	Box	Price
612171	M 6	22.9	100	64	85	B	6,88
612172	M 8	22.9	100	64	91	B	6,88
612173	M 10	22.9	100	64	110	B	7,32
612174	M 12	22.9	100	64	123	B	7,72
619845	M 14	22.9	100	64	143	B	7,79
620258	M 16	22.9	100	64	235	B	8,47

192/12

Set of screwdriver sockets with TX profile 1/2" in metal box

- Dimension of box: 197 x 105 x 38



Barcode	Nº	Hand	Person	Box	Price
603657	192/12	9	1010	G	65,94
192/2TX (TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55, TX 60)					

192/10

Screwdriver socket set 1/2" in metal box

- Dimension of box: 197 x 105 x 38



Barcode	Nº	Hand	Person	Box	Price
603655	192/10	9	981	G	63,81
192/2PH (PH 2, PH 3, PH 4), 192/2TX (TX 25, TX 27, TX 30, TX 40, TX 45, TX 50)					

192/13

Screwdriver socket set 1/2" in metal box

- Dimension of box: 197 x 105 x 38



Barcode	Nº	Hand	Person	Box	Price
603658	192/13	9	1080	G	58,71
192/2HX (8, 10, 12), 192/2PH (PH 2, PH 3, PH 4), 192/2TX (TX 27, TX 30, TX 45)					

192/11

Screwdriver socket set 1/2" in metal box

- Dimension of box: 197 x 105 x 38



Barcode	Nº	Hand	Person	Box	Price
603656	192/11	9	1050	G	56,37
192/2HX (6, 8, 10, 12), 192/2TX (TX 25, TX 27, TX 30, TX 40, TX 45)					

192/14

Hexagonal screwdriver socket set 1/2" in metal box

- Dimension of box: 197 x 105 x 38



Barcode	Nº	Hand	Person	Box	Price
607064	192/14	9	1170	G	51,19
192/2HX (5, 6, 7, 8, 9, 10, 12, 14, 17)					

192/14INCH**Hexagonal screwdriver socket set 1/2" in metal box**

• Dimension of box: 197 x 105 x 38



Barcode	Nº	Hand	Weight	Box	Price
621759	192/14INCH	3/16" - 3/4" / 9	1250		51,19
192/2HX (3/16", 7/32", 1/4", 5/16", 3/8", 1/2", 9/16", 5/8", 3/4")					

192/16**Set of long hexagonal screwdriver socket 1/2" in plastic box**

• Dimension of box: 197 x 167 x 35



Barcode	Nº	Hand	Weight	Box	Price
619416	192/16	5 - 14 / 7	893		54,32
192/2HXL (5, 6, 7, 8, 10, 12, 14)					

192/15**Set of screwdriver sockets with ZX profile 1/2" in plastic box**

• Dimension of box: 197 x 167 x 35



Barcode	Nº	Hand	Weight	Box	Price
617125	192/15	10	1030		67,27
192/2ZX (M 5, M 6, M 8, M 10, M 12, M 14), 192/2ZXL (M 6, M 8, M 10, M 12)					

192/17**Set of long screwdriver socket with TX profile 1/2" in plastic box**

• Dimension of box: 197 x 167 x 35



Barcode	Nº	Hand	Weight	Box	Price
619417	192/17	TX 20 - TX 50 / 7	752		70,56
192/2TXL (TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50)					



2 Sockets 1/2"

192/18

Adapter set in metal box

- Dimension of box: 197 x 105 x 38



Barcode	Nº	Hand	Weight	Box	Price
619418	192/18	1/4" - 3/4" / 6	888	G	47,63
<input type="checkbox"/> 188.7/2 (1/4" - 3/8"), <input type="checkbox"/> 238.7/1 (3/8" - 1/4"), <input type="checkbox"/> 238.7/2 (3/8" - 1/2"), <input type="checkbox"/> 190.7/2 (1/2" x 3/8", 1/2" x 3/4"), <input type="checkbox"/> 197.7/1 (3/4" - 1/2")					

192/19

Set of screwdriver socket with Ribe profile in metal box

- Dimension of box: 197 x 105 x 38



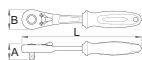
Barcode	Nº	Hand	Weight	Box	Price
622624\$	192/19	M 5 - M 14 / 9	1000	E	73,10
192/2R (M 5, M 6, M 7, M 8, M 9, M 10, M 12, M 13, M 14)					

190.1/1ABI

Reversible ratchet 1/2"

1/2"

- material: special tool steel
- ergonomic heavy duty double component handle
- 75 - teeth
- body drop forged
- entirely hardened and tempered
- surface finish: chrome plated to standard EN 12540
- made according to standard ISO 3315



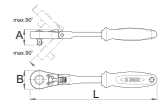
Barcode	Weight	L	A	B	Weight	Box	Price
611782	1/2"	260	36	45	423	B	35,23

190.1/1FBI

Flexible reversible ratchet 1/2"

1/2"

- material: special tool steel
- ergonomic heavy duty double component handle
- 75 - teeth
- flexible ratchet allows working with the handle inclination up to max 90° with the 22,5° steps
- body drop forged
- entirely hardened and tempered
- surface finish: chrome plated to standard EN 12540



Barcode	Weight	L	A	B	Weight	Box	Price
618369	1/2"	320	36	40	598	B	57,91

190.11

Set of spare parts for 190.1/1ABI and 190.1/1FBI



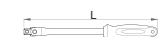
Barcode	Weight	Weight	Box	Price
612504	12	106	E	13,85

190.2/1BI

Swivel handle 1/2"

1/2"

- material: chrome vanadium
- ergonomic heavy duty double component handle
- body drop forged
- surface finish: chrome plated to standard EN 12540
- made according to standard ISO 3315
- entirely hardened and tempered

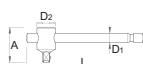


Barcode	Weight	L	Weight	Box	Price
611899	1/2"	380	572	B	24,21
611900	1/2"	450	671	B	25,94

**190.3/1****Sliding T - handle 1/2"**

1/2"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- made according to standard ISO 3315
- entirely hardened and tempered



Barcode	Material	L	A	D1	D2	Weight	Unit	Price
600876	1/2"	300	45	14	25.5	340	A	9,86

190.4/2**Extension bar 1/2"**

1/2" 1/2"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered



Barcode	Material	L	D1	D2	Weight	Unit	Price
612565	1/2"	600	16.8	24	732	A	20,92

190.4/1**Extension bar 1/2"**

1/2" 1/2"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- polished head
- drop forged, entirely hardened and tempered
- made according to standard ISO 3316



Barcode	Material	L	D1	D2	Weight	Unit	Price
607955	1/2"	75	16.8	24	114	B	5,94
600874	1/2"	125	16.8	24	178	B	7,98
600875	1/2"	250	16.8	24	326	B	10,30

190.4/15**Ball end extension bar 1/2"**

1/2" 1/2"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- polished head
- drop forged, entirely hardened and tempered
- made according to standard ISO 3316



Barcode	Material	L	D1	D2	Weight	Unit	Price
610909	1/2"	75	16.8	24	110	B	8,13
610908	1/2"	125	16.8	24	180	B	10,47
610907	1/2"	250	16.4	24	340	B	13,71

2 Sockets 1/2"

190.5/2

Offset handle 1/2"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- made according to standard ISO 3315
- drop forged, entirely hardened and tempered



Barcode	Material	L1	L2	D	Weight	Box	Price
610933	1/2"	250	59	16.8	342	A	9,70

190.6/2

Universal joint 1/2"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered
- made according to standard ISO 3316









Barcode	Material	D	L	Weight	Box	Price
600873	1/2"	23	75.5	158	B	13,69

190.7/2

Adaptor 1/2"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered
- made according to standard ISO 3316



			D	L			
603334	1/2"	3/8"	23	38	67	B	3,44
607975	1/2"	3/4"	22	35	168	B	8,05

190.9/2BI

Oneway ratchet 1/2"

- material: special tool steel
- ergonomic heavy duty double component handle
- body drop forged
- entirely hardened and tempered
- surface finish: chrome plated to standard EN 12540



Barcode	Material	A	B	L	Weight	Box	Price
600909	1/2"	38	43.5	252	498	B	24,92

190.10

Replacement square 1/2"

- for oneway ratchet 190.9/2BI
- entirely hardened and tempered
- material: special tool steel
- made according to standard ISO 3315



Barcode	Material	L	Weight	Box	Price
603378	1/2"	40	50	E	2,94

190.12

Quick-release bit holder 1/2"

- material: special tool steel
- surface finish: phosphated to standard DIN 12476
- drop forged, entirely hardened and tempered



Barcode	Material	L	D	Weight	Box	Price
620856	1/2" - 1/4"	41	25	95	B	14,63

190H

Rail for sockets 1/2"

- dimension 330 - for set 10 pcs 8 - 32, maximum numbers of clips 14
- dimension 450 - 10 pcs set same dimension (22), maximum numbers of clips 19



Barcode	L	Weight	Box	Price
619090	330	95	E	1,65
619237	450	120	E	2,03



190H1

10 pieces set of socket clips 1/2" for 190H

1/2"



619412



27



E



1,26

190H12P15IN

Socket set 1/2" on rail



622634\$

Nº

190H12P15IN



3/8" - 1.1/4" / 15



1550



E



76,09

190/1 12p (3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1.1/16", 1.1/8", 1.3/16", 1.1/4"), 190H (450)

190H12P15

Socket set 1/2" on rail



622635\$

Nº

190H12P15



10 - 32 / 15



1400



E



64,20

190/1 12p (10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32), 190H (450)

190H12LP7

Socket set 1/2", long type on rail



622636\$

Nº

190H12LP7



13 - 24 / 7



1100



E



52,72

190/1L12p (13, 14, 15, 17, 21, 22, 24), 190H (450)

190BI6P14

Socket set 1/2" in metal box

• Dimension of box: 321 x 198 x 54



611940

Nº

190BI6P14



10 - 24 / 14



3010



G



117,21

190/1 6p (10, 11, 12, 13, 14, 15, 17, 19, 21, 22, 24), 190.1/1AB1 (1/2"), 190.3/1 (1/2"), 190.4/1 (1/2" x 125)

190BI6P23

Socket set 1/2" in metal box

• Dimension of box: 448 x 198 x 54



612779

Nº

190BI6P23



10 - 32 / 23



4780



G



176,40

190/1 6p (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), 190.1/1AB1 (1/2"), 190.3/1 (1/2"), 190.4/1 (1/2" x 125, 1/2" x 250), 190.6/2 (1/2")

190BI6P24

Socket set 1/2" in metal box

• Dimension of box: 448 x 198 x 54



611939

Nº

190BI6P24



10 - 32 / 24



6160



G



200,62

190/1 6p (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), 190.1/1AB1 (1/2"), 190.2/1B1 (1/2"), 190.3/1 (1/2"), 190.4/1 (1/2" x 125, 1/2" x 250), 190.6/2 (1/2")

2 Sockets 1/2"

190BI12P14

Socket set 1/2" in metal box

• Dimension of box: 321 x 198 x 54



Barcode	Nº	Hand	Weight	Box	Price
611942	190BI12P14	10 - 24 / 14	4020	G	117,21
190/1 12p (10, 11, 12, 13, 14, 15, 17, 19, 21, 22, 24), 190.1/1ABI (1/2"), 190.3/1 (1/2"), 190.4/1 (1/2" x 125)					

190BI12P23IN

Socket set 1/2" in metal box

• Dimension of box: 448 x 198 x 54



Barcode	Nº	Hand	Weight	Box	Price
611943	190BI12P23IN	3/8" - 1.1/4" / 23	5545	G	209,36
190.6/2 (1/2"), 190.4/1 (1/2" x 125, 1/2" x 250), 190.3/1 (1/2"), 190/1 12p (3/8", 7/16", 1/2", 9/16", 19/32", 5/8", 11/16", 3/4", 25/32", 13/16", 7/8", 15/16", 1", 1.1/16", 1.1/8", 1.3/16", 1.1/4"), 190.1/1ABI (1/2"), 190.2/1BI (1/2")					

190BI12P23

Socket set 1/2" in metal box

• Dimension of box: 448 x 198 x 54



Barcode	Nº	Hand	Weight	Box	Price
615327	190BI12P23	10 - 32 / 23	4780	G	176,40
190/1 12p (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), 190.1/1ABI (1/2"), 190.3/1 (1/2"), 190.4/1 (1/2" x 250, 1/2" x 125), 190.6/2 (1/2")					

190BI6P22IN

Socket set 1/2" in metal box

• Dimension of box: 448 x 198 x 54



Barcode	Nº	Hand	Weight	Box	Price
615180	190BI6P22IN	5/16" - 1.1/4" / 22	5565	G	196,77
190.6/2 (1/2"), 190.4/1 (1/2" x 125, 1/2" x 250), 190.3/1 (1/2"), 190.1/1ABI (1/2"), 190.2/1BI (1/2"), 190/1 6p (5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1.1/16", 1.1/8", 1.3/16", 1.1/4")					

190BI12P24

Socket set 1/2" in metal box

• Dimension of box: 448 x 198 x 54



Barcode	Nº	Hand	Weight	Box	Price
611941	190BI12P24	10 - 32 / 24	6160	G	199,69
190/1 12p (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), 190.1/1ABI (1/2"), 190.2/1BI (1/2"), 190.3/1 (1/2"), 190.4/1 (1/2" x 125, 1/2" x 250), 190.6/2 (1/2")					

190BITX1P22

Socket set 1/2" in metal box

• Dimension of box: 448 x 198 x 54



Barcode	Nº	Hand	Weight	Box	Price
611945	190BITX1P22	22	3875	G	199,51
190.6/2 (1/2"), 190.4/1 (1/2" x 125, 1/2" x 250), 192/2TX (TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55, TX 60), 191/1 (E 10, E 11, E 12, E 14, E 16, E 18, E 20, E 22, E 24), 190.1/1ABI (1/2")					

190BI6P43**Socket set 1/2" and 1/4" in plastic box**

• Dimension of box: 346 x 292 x 83



611944	Nº	4 - 32 / 43	4600		255,03
188/2 6p (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13, 12, 14), 188.4/2 (1/4" x 55, 1/4" x 150), 188.3/2 (1/4"), 190/1 6p (10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30, 32), 190.6/2 (1/2"), 190.4/1 (1/2" x 125, 1/2" x 250), 190.3/1 (1/2"), 192/2HX (6, 7, 8, 10, 12, 14, 17), 188.6/2 (1/4"), 190.1/1ABI (1/2"), 188.1/1ABI (1/4")					

190BI6P28**Socket set 1/2" in plastic box**

• Dimension of box: 346 x 292 x 83



612162	Nº	10 - 32 / 28	5285		240,38
190/1 6p (10, 13, 14, 15, 16, 17, 18, 19, 22, 24, 27, 30, 32), 190.6/2 (1/2"), 190.4/1 (1/2" x 125, 1/2" x 250), 190.3/1 (1/2"), 190/1L12p (12, 13, 14, 17, 19, 21, 22, 24, 27, 30), 190.1/1ABI (1/2")					

190BIHX1P20**Socket set 1/2" in metal box**

• Dimension of box: 448 x 198 x 54



611946	Nº	20	4080		165,60
192/2HXL (5, 6, 7, 8, 10, 12), 192/2HX (4, 5, 6, 7, 8, 9, 10, 12, 14, 17, 19), 190.1/1ABI (1/2"), 190.4/1 (1/2" x 125, 1/2" x 250)					

190-6P17**Socket set 1/2" in plastic box**

• Dimension of box: 307 x 260 x 70



622022	Nº	10 - 32 / 17	2995		125,26
190/1 6p (10, 11, 12, 13, 14, 17, 19, 21, 22, 23, 24, 27, 30, 32), 190.9/2BI (1/2"), 190.3/1 (1/2"), 190.4/1 (1/2" x 75)					



2 Sockets 1/2"

190BI6P17

Socket set 1/2" in plastic box

• Dimension of box: 307 x 260 x 70

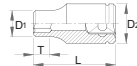


Barcode	Nº	Hand	Person	Box	Price
622023	190BI6P17	10 - 32 / 17	2945	E	135,57
190/1 6p (10, 11, 12, 13, 14, 17, 19, 21, 22, 23, 24, 27, 30, 32), 190.1/1ABI (1/2"), 190.3/1 (1/2"), 190.4/1 (1/2" x 75)					

197/1 6p

Socket 3/4"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- polished
- torque: DIN 899 range E
- drop forged, entirely hardened and tempered
- made according to standard ISO 2725-1 (only metric dimension)



Barcode	Size	D1	D2	L	T	Weight	Box	Price
619698	19	29.2	32.9	50	14.5	175	E	8,42
602723	22	32.2	36	50	14	220	E	8,61
602724	23	33.2	36	50	14	221	E	8,61
602725	24	34.2	36	51	16	230	E	9,08
602726	26	37	36	52	16	230	E	9,37
602727	27	38	36	52	22	239	E	9,79
602728	28	39	36	52	22	242	E	10,01
619702	29	38	40.6	51.8	24.1	270	E	10,30
602729	30	42	38	54	24	273	E	10,37
602730	32	44	38	56	26	295	E	10,96
602731	34	47	38	56	26	347	E	11,52
619701	35	42.1	48.2	58	30.3	401	E	11,81
602732	36	50	42	58	28	400	E	12,33
602733	38	52	45	60	28	488	E	13,55
602734	41	56	45	64	30	502	E	14,82
602735	46	62	48	68	34	621	E	18,10
602736	50	68	48	72	36	708	E	22,86
617527	55	48	74	76	32	914	E	24,74
603135	60	80	48	78	42	1105	E	28,10
609383	7/8"	32.2	36	50	14	220	E	9,33
609384	15/16"	34.2	36	51	16	231	E	9,52
609385	1"	37	36	52	16	234	E	11,00
609386	1.1/16"	38	36	52	22	224	E	10,17
609387	1.1/8"	40	38	52	22	265	E	11,12

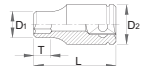


Barcode	Size	D1	D2	L	T	Weight	Box	Price
609388	1.1/4"	44	38	56	24	313	E	11,38
609389	1.5/16"	46	38	56	26	336	E	12,33
609390	1.3/8"	48	42	58	26	406	E	12,76
609391	1.7/16"	50	42	58	28	415	E	13,10
609392	1.1/2"	52	45	60	28	414	E	15,13
609393	1.5/8"	56	45	64	30	572	E	16,07
609394	1.11/16"	58	45	65	32	595	E	17,90
609395	1.13/16"	62	48	68	34	698	E	20,14
609396	1.7/8"	64	48	70	34	741	E	20,64
609397	2"	68	48	72	36	842	E	22,43
609398	2.1/16"	70	48	72	36	879	E	27,82

197/1 12p

Socket 3/4", 12 point

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- polished
- drop forged, entirely hardened and tempered
- made according to standard ISO 2725-1 (only metric dimension)

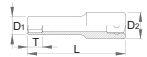


Barcode	Size	D1	D2	L	T	Weight	Box	Price
618666	22	32.2	36	50	14	215	E	8,61
618667	23	33.2	36	50	14	216	E	8,61
618668	24	34.2	36	51	16	224	E	9,08
618669	26	37	36	52	16	220	E	9,37
618670	27	38	36	52	22	224	E	9,79
618671	28	39.5	36	52	22	234	E	10,00
619703	29	38	40.4	52.2	24.5	258	E	10,31
618672	30	42	38	54	24	254	E	10,37
618673	32	44	38	56	26	282	E	10,96
618674	34	47	38	56	26	329	E	11,52
618675	36	50	42	58	28	372	E	12,33
618676	38	52	45	60	28	473	E	13,55
618677	41	56	45	64	30	487	E	14,82
618678	46	62	47	68	34	566	E	18,10
618679	50	68	48	72	36	683	E	22,86
618680	55	74	48	76	40	828	E	24,74
618681	60	80	48	78	42	993	E	28,10

197/1L6p

Socket 3/4", long type

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- polished
- drop forged, entirely hardened and tempered
- made according to standard ISO 2725-1 (only metric dimension)



Barcode	Size	D1	D2	L	T	Weight	Box	Price
610797	22	32.2	36	90	26	346	E	21,73
610798	23	33.2	36	90	26	390	E	21,73
610799	24	34.2	36	90	26	387	E	22,48
610800	26	37	36	90	28	431	E	23,15
610801	27	38	36	90	28	423	E	24,25
610802	28	39	38	90	28	434	E	24,77

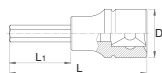


		D1	D2	L	T			
610803	30	42	40	90	28	503	E	25,67
610804	32	44	42	90	28	573	E	27,18
610805	34	47	44	90	28	635	E	29,65
610806	36	50	44	90	30	707	E	30,51
610807	38	52	44	90	34	705	E	33,51
610808	41	56	44	90	34	776	E	36,71
610809	46	62	44	90	34	900	E	44,81
610810	50	68	44	90	36	1085	E	56,60
618700	55	74	54	90	38	1359	E	55,10
610811	60	80	54	90	40	1569	E	75,12
610812	7/8"	32.2	36	90	26	363	E	23,08
610813	15/16"	34.2	36	90	26	383	E	23,59
610814	1"	37	36	90	26	416	E	27,26
610815	1.1/16"	38	36	90	28	413	E	25,16
610816	1.1/8"	40	38	90	28	459	E	27,50
610817	1.1/4"	44	42	90	28	559	E	28,16
610818	1.5/16"	46	44	90	30	615	E	30,51
610819	1.3/8"	48	44	90	30	654	E	31,60
610820	1.7/16"	50	44	90	30	683	E	32,44
610821	1.1/2"	52	44	90	34	700	E	37,46
610822	1.5/8"	56	44	90	34	782	E	39,80
610823	1.11/16"	60	44	90	34	814	E	44,32
610824	1.13/16"	62	44	90	34	903	E	49,82
610825	1.7/8"	64	44	90	34	987	E	51,09
610826	2"	68	44	90	36	1111	E	55,52
610827	2.1/16"	70	54	90	36	1228	E	68,89

197/2AHX

Hexagonal screwdriver socket 3/4"

- material: socket: chrome vanadium, chrome plated
- material: bit: special tool steel, anticorrosive oiled
- made according to standard DIN 7422 (only metric dimension)
- entirely hardened and tempered

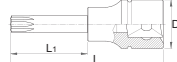


	D	L	L1			
619836	14	33.85	80	30	267	E 13,66
619837	17	33.85	80	30	275	E 13,66
619838	19	33.85	80	30	364	E 16,52
619839	22	33.85	80	30	381	E 16,52

197/2ATX

Screwdriver socket with TX profile 3/4"

- material: socket: chrome vanadium, chrome plated
- material: bit: special tool steel, anticorrosive oiled
- entirely hardened and tempered



	D	L	L1			
619840	60	33.85	80	30	257	E 13,66
619841	70	33.85	80	30	262	E 13,66
619842	80	33.85	80	30	267	E 16,12
619843	90	33.85	80	30	351	E 19,44
619844	100	33.85	80	30	363	E 19,89

197/2AZX

Screwdriver socket 3/4" with ZX profile

- material: socket: chrome vanadium, chrome plated
- material: bit: special tool steel, anticorrosive oiled
- entirely hardened and tempered



	D	L	L1			
620816	M14	33.9	80	30	259	E 13,66
620817	M16	33.9	80	30	264	E 13,66
620818	M18	33.9	80	30	371	E 16,52

197.1/1

Reversible ratchet 3/4"

- material: special tool steel
- body drop forged
- entirely hardened and tempered
- surface finish: chrome plated to standard EN 12540
- made according to standard ISO 3315



	A	B	L			
602737	3/4"	58	63.5	500	2590	C 113,91

197.11

Set of spare parts for 197.1/1

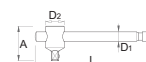


616806	11	495	E			30,78

197.3/1

Sliding T-handle 3/4"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- polished head
- made according to standard ISO 3315
- entirely hardened and tempered



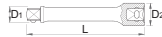
	A	D1	D2	L		
602738	3/4"	60	20	37	455	1400 C 32,15

2 Sockets 3/4"

197.4/1

Extension bar 3/4"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- polished head
- drop forged, entirely hardened and tempered
- made according to standard ISO 3316



Barcode	Size	L	D1	D2	Weight	Material	Price
602740	3/4"	200	25.3	36	635	Chrome vanadium	19,22
602739	3/4"	400	25.3	36	1160	Chrome vanadium	32,69

197.6/1

Universal joint 3/4"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered
- made according to standard ISO 3316



Barcode	Size	D	L	Weight	Material	Price
617657	3/4"	40	107	597	Chrome vanadium	38,60

197.7/1

Adaptor 3/4"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- polished head
- drop forged, entirely hardened and tempered
- made according to standard ISO 3316



Barcode	Size	L	D	Weight	Material	Price
602741	3/4" - 1/2"	54	34	181	Chrome vanadium	14,84
610695	3/4" - 1"	62	38	364	Chrome vanadium	20,05



197MB1

Socket set 3/4" in metal box

- Dimension of box: 505 x 215 x 78



Barcode	Nº	Hand	Weight	Material	Price
602742	197MB1	22 - 46 / 14	12600	Chrome vanadium	383,84
197/1 6p (22, 24, 27, 30, 32, 36, 38, 41, 46), 197.1/1 (3/4" x 500), 197.3/1 (3/4"), 197.4/1 (3/4" x 400, 3/4" x 200), 197.7/1 (3/4" - 1/2")					

197MB2

Socket set 3/4" in metal box

- Dimension of box: 505 x 215 x 78



Barcode	Nº	Hand	Weight	Material	Price
600954	197MB2	22 - 50 / 14	13000	Chrome vanadium	391,51
197/1 6p (22, 24, 27, 30, 32, 36, 38, 41, 46, 50), 197.1/1 (3/4" x 500), 197.3/1 (3/4"), 197.4/1 (3/4" x 400, 3/4" x 200)					

197MB3

Socket sets 3/4", inch sizes in metal box

- Dimension of box: 505 x 215 x 78



Barcode	Nº	Hand	Weight	Material	Price
617119	197MB3	7/8" - 1.7/8" / 14	12600	Chrome vanadium	388,51
197/1 6p (7/8", 15/16", 1", 1.1/16", 1.1/8", 1.1/4", 1.3/8", 1.1/2", 1.5/8", 1.7/8"), 197.1/1 (3/4" x 500), 197.3/1 (3/4"), 197.4/1 (3/4" x 400, 3/4" x 200)					

197MB4

Socket set 3/4" in metal box

• Dimension of box: 505 x 215 x 78



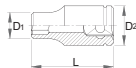
Barcode	Nº	Hand	Weight	Box	Price
619927	197MB4	22 - 55 / 15	13600	F	433,63

197/1 6p (22, 24, 27, 30, 32, 36, 41, 46, 55), 197.1/1 (3/4" x 500), 197.3/1 (3/4"), 197.4/1 (3/4" x 400, 3/4" x 200), 197.6/1 (3/4"), 197.7/1 (3/4" - 1/2")

199/1 6p

Socket 1"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- polished
- drop forged, entirely hardened and tempered
- made according to standard ISO 2725-1 (only metric dimension)



Barcode	Size	D1	D2	L	T	Weight	Box	Price
603096	46	65	50	75	34	849	C	24,98
603097	50	70	55	75	34	1039	C	26,42
603098	55	76	57	80	40	1222	C	32,49
603099	60	82	57	84	42	1383	C	36,96
603100	65	88	57	87	44	1607	C	47,12
603101	70	94	68	93	48	2039	C	51,32
603102	75	100	68	97	52	2243	C	60,63
603103	80	105	68	103	54	2479	C	68,58

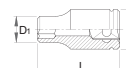


199/1 12p

Socket 1", 12 point



- material: chrome molybdenum
- surface finish: chrome plated according to EN12540
- polished
- drop forged, entirely hardened and tempered
- made according to standard ISO 2725-1 (only metric dimension)



Barcode	Size	D1	D2	L	T	Weight	Box	Price
618699	65	82	56.9	84	42	1444	C	65,01

199.1/1

Reversible ratchet 1"



- material: special tool steel
- body drop forged
- entirely hardened and tempered
- surface finish: chrome plated to standard EN 12540
- made according to standard ISO 3315



Barcode	Size	A	B	L	Weight	Box	Price
603104	1"	71	71.5	665	4655	C	158,67

199.11

Set of spare parts for 199.1/1



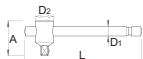
Barcode	Hand	Weight	Box	Price
616807	11	835	E	37,00

2 Sockets 1"

199.3/1

Sliding T-handle 1"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- polished head
- made according to standard ISO 3315
- entirely hardened and tempered

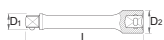


Barcode	Material	A	D1	D2	L	Weight	Box	Price
603105	1"	80	28	49	560	3330	C	71,84

199.4/1

Extension bar 1"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- polished head
- drop forged, entirely hardened and tempered
- made according to standard ISO 3316



Barcode	Material	L	D1	D2	Weight	Box	Price
603107	1"	200	33.6	48	1125	C	43,26
603106	1"	400	33.6	48	1900	C	69,05

199.6/1

Universal joint 1"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- polished head
- drop forged, entirely hardened and tempered
- made according to standard ISO 3316



Barcode	Material	D	L	Weight	Box	Price
617658	1"	49	141	1120	E	60,48



199.7/1

Adapter 1"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- polished head
- drop forged, entirely hardened and tempered
- made according to standard ISO 3316









Barcode	Material	D	L	Weight	Box	Price
619905	1" - 3/4"	48	65	427	E	24,27





199MB1

Socket set 1" in metal box

- Dimension of box: 670 x 220 x 100



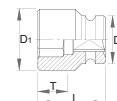
	Nº				
603095	199MB1	46 - 80 / 12	29800		761,35

 199/1 6p (46, 50, 55, 60, 65, 70, 75, 80),  199.1/1 (1"),
 199.3/1 (1"),  199.4/1 (1" x 400, 1" x 200)

230/4 6p

Impact socket 3/8"

- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476
- drop forged, entirely hardened and tempered
- made according to standard ISO 2725-2 (only metric dimension)

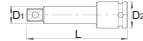


Barcode	Material	D2	D1	L	T	Weight	Box	Price
612060	8	19	13.8	30	8	45	B	4,94
612061	9	19	15	30	8	45	B	4,94
612062	10	19	16.3	30	8	45	B	4,94
612063	11	19	17.5	30	9	45	B	4,94
612064	12	19	19	30	9	45	B	4,94
612065	13	22	20	30	10	61	B	5,28
612066	14	22	21.3	30	11	55	B	5,28
612067	15	22	22	30	11	58	B	5,28

		D2	D1	L	T			
612068	16	22	24	30	12	65	B	5,28
612069	17	22	25	30	12	65	B	5,28
612070	18	22	26	30	12	69	B	5,50
612071	19	22	27.5	30	19	66	B	5,50
612072	20	22	28	30	13	66	B	5,98
612073	21	22	30	30	13	73	B	5,98
612074	22	23	32	30	13	86	B	6,64

230.4/4**Impact extension bar 3/8"**

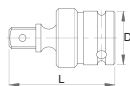
- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476
- drop forged, entirely hardened and tempered



		L	D1	D2			
612075	3/8"	75	12.5	19	83	E	10,13
612076	3/8"	125	12.5	19	127	E	11,25

230.6/4**Impact universal joint 3/8"**

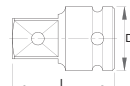
- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476
- drop forged, entirely hardened and tempered



		D	L			
612077	3/8"	23.9	51	98	E	22,14

230.7/4**Impact adaptor 3/8"**

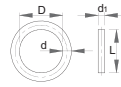
- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476
- drop forged, entirely hardened and tempered



		D	L			
612078	3/8" - 1/2"	22	36	67	E	8,29

230.8/4**Impact accessories 3/8"**

- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476



		D	d	L	d1			
612079	6 - 12	16	2.4	15	2.5	7	E	0,76
612080	13 - 21	19	2.4	18	2.5	7	E	0,76
612081	22 - 22	20	2.4	18	2.5	7	E	0,76

FEATURES OF

230.8/4, 231.8/4, 232.8/4, 233.8/4, 234.8/4

**230/4MB1****Set of impact sockets 3/8" in metal box**

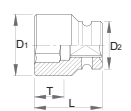
- Dimension of box: 197 x 105 x 38



	Nº				
612590	230/4MB1	8 - 22 / 16	1125	G	88,73
230/4 6p (8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22), 230.4/4 (3/8" x 75), 230.8/4 (6 - 12, 13 - 21, 22 - 22)					

231/4 6p**Impact socket 1/2"**

- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476
- drop forged, entirely hardened and tempered
- made according to standard ISO 2725-2 (only metric dimension)



		D1	D2	L	T			
603962	10	17.5	25	38	12	94	B	4,79
603963	11	18.7	25	38	12	95	B	4,79

2 Impact sockets 1/2"

		D1	D2	L	T			
603964	12	20	25	38	12	95	B	4,79
603965	13	21.3	25	38	12	96	B	4,79
603966	14	22.5	25	38	12	95	B	4,94
603967	15	23.7	30	38	12	140	B	5,46
603968	16	25	30	38	12	143	B	5,57
603969	17	26.2	30	38	13	140	B	5,57
609399	18	27.5	30	38	13	135	B	6,28
603970	19	28.7	30	38	13	126	B	6,28
603971	21	30	30	38	13	139	B	7,19
603972	22	32	30	38	13	133	B	7,19
603973	23	32	30	38	13	183	B	7,43
603974	24	35	30	45	20	235	B	7,75
603975	27	38.7	30	50	24	235	B	9,61
609400	28	40	30	50	24	255	B	10,52
603976	30	42	30	50	24	259	B	10,89
605548	32	42	30	50	24	72	B	11,78

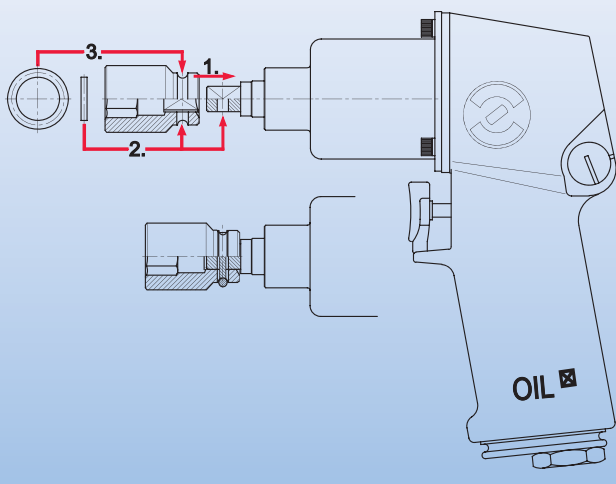
231/4 USE

IMPACT RING AND PIN

Impact socket wrenches are mainly used for achine screwing.

Because of large and fitful loads of wrenches during the machine screwing the next conditions are considered during their making for their long lifetime

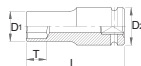
- special tool steel with guaranted composition
- accurate thermic treatment for their achieving of high strength
- hard making of wrench
- protective system with ring and pin against releasing from tool



231/4L6p

Impact socket 1/2", long type

- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476
- drop forged, entirely hardened and tempered



		D1	D2	L	T			
607918	10	17.5	25	78	14	144	B	8,00
607919	11	18.7	25	78	14	166	B	8,00
607920	12	20	25	78	14	160	B	8,00
607921	13	21.3	25	78	14	168	B	8,00
607922	14	22.5	25	78	17	174	B	8,00
607923	15	23.7	30	78	17	226	B	9,56



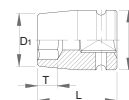
		D1	D2	L	T			
607924	16	25	30	78	17	259	B	9,56
607925	17	26.2	30	78	17	244	B	9,56
609401	18	27.5	30	78	17	257	B	9,56
607926	19	28.7	30	78	19	265	B	9,56
607927	21	30	30	78	24	280	B	9,56
607928	22	32	30	78	24	292	B	9,97
607929	23	32	30	78	24	275	B	10,14
607930	24	35	30	78	24	337	B	11,63
607931	27	38.7	30	78	24	395	B	12,86
609402	28	40	30	78	24	395	B	13,64
607932	30	42	30	78	24	432	B	13,41
607933	32	44	30	78	24	421	B	14,14

231/4NS

Impact socket 1/2" with special protect profile



- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476
- drop forged, entirely hardened and tempered
- made according to standard ISO 2725-2 (only metric dimension)



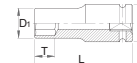
		D1	D2	L	T			
618925	10	15.6	22.6	38.1	7.5	70	B	8,04
619144	11	17.8	22.6	38.1	8.5	72	B	8,21
619145	12	18.2	24.3	38.1	10	85	B	8,21
618926	13	19.3	24.3	38.1	10	85	B	8,21
618927	14	22	24.3	38.1	10.5	87	B	8,21
618928	15	23.2	26.6	38.1	10.5	108	B	8,21
618929	16	24.3	26.6	38.1	12	108	B	8,61
618930	17	25.4	26.6	38.1	12.5	108	B	8,61
618931	18	26.6	26.6	38.1	12.5	108	B	8,61
618932	19	28.3	28.3	38.1	12.5	118	B	9,38
618933	21	31.5	31.5	38.1	14	150	B	10,62
618934	22	33.1	33.1	38.1	14	167	B	11,19
618935	23	33.8	33.8	44.5	16	207	B	11,59
618936	24	34.8	34.8	44.5	16	208	B	12,44
618937	25	36.4	36.4	44.5	19.5	222	B	13,25
618938	26	37.8	37.8	50.8	19.5	276	B	14,42
618939	27	39.4	39.4	50.8	20	287	B	14,42

231/4LNS

Impact socket 1/2" with special protect profile, long type



- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476
- drop forged, entirely hardened and tempered

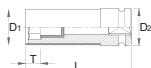







		D1	D2	L	T			
618940	10	17.5	24.8	80	13	145	B	11,84
619146	11	19	24.8	80	13	148	B	12,44

		D1	D2	L	T			
619147	12	20	24.8	80	14	158	B	12,44
618941	13	21	24.8	80	15	160	B	12,44
618942	14	23	24.8	80	15	187	B	12,44
618943	15	24	24.8	80	16	195	B	12,61
618944	16	25	24.8	80	16	196	B	12,61
618945	17	26.5	29.8	80	17	249	B	12,84
618946	18	28	29.8	80	18	265	B	12,84
618947	19	29	29.8	80	19	265	B	12,84
618948	21	31.8	30	80	21	305	B	14,82
618949	22	33	30	80	22	315	B	14,82
618950	23	33.8	30	80	23	298	B	15,85
618951	24	34.8	30	80	24	328	B	25,76
618952	25	36.3	30	80	25	350	B	25,76
618953	26	37.8	30	80	26	377	B	25,76
618954	27	39	30	80	27	397	B	25,76

231/4P**Impact socket 1/2" for alloy wheels**

- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476
- with plastic protection
- drop forged, entirely hardened and tempered



		D1	D2	L	T			
616762	15	24	30	80	14	190	B	14,82
616763	17	27	30	85	14	225	B	15,46
616764	19	29	30	85	15	237	B	15,46
616765	21	31	30	85	17	262	B	15,69

231/4P.1**Plastic protection for 231/4P**

616766	15	11	E	0,84
616767	17	12	E	0,84
616768	19	13	E	0,84
616769	21	13	E	0,84

231/4PCB**Set of 1/2" impact sockets for alloy wheels**

	Nº				
616770	231/4PCB	17 - 21 / 3	730	K	46,61
	231/4P (17, 19, 21)				

231/4PPB**Set of 1/2" impact sockets for alloy wheels in plastic box**

- Dimension of box: 197 x 167 x 47








	Nº				
619965	231/4PPB	17 - 21 / 3	920	G	57,43
	231/4P (17, 19, 21), 981PBM1 (197 x 167 x 47)				

231/4PL**Impact socket 1/2" for alloy wheels, long type**

- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476
- with plastic protection
- drop forged, entirely hardened and tempered



		D1	D2	L	T			
619015	17	27	25	130	24	305	B	24,62
619016	19	29	30	130	24	360	B	25,94
619017	21	31	30	130	24	405	B	27,53

2 Impact sockets 1/2"



231/4PLPB

Set of 1/2" impact sockets for alloy wheels, long type in plastic box

- Dimension of box: 197 x 167 x 47

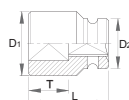


Barcode	Nº	Hand	Weight	Box	Price
619966	231/4PLPB	17 - 21 / 3	1245		88,92
231/4PL (17, 19, 21), 981PBM1 (197 x 167 x 47)					

231/4SQ

Impact socket 1/2" with 4 point drive

- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476
- drop forged, entirely hardened and tempered

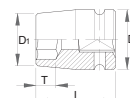


Barcode	Ø	L	D1	D2	T	Weight	Box	Price
616625	17	40	32	30	20	161	B	9,02
616626	19	45	36	30	20	222	B	10,56
616627	22	45	42	30	20	278	B	15,21
616628	24	50	44	30	22	335	B	16,92
616629	30	50	53	30	22	457	E	19,75
616655	32	50	56	30	22	474	E	24,43

231/4TX

Impact socket 1/2" with internal TX profile

- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476
- drop forged, entirely hardened and tempered

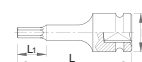


Barcode	Profile	D1	D2	L	T	Weight	Box	Price
612880	E 10	15	25	38	7,5	90	B	7,62
612881	E 12	16	25	38	8,5	90	B	7,75
612882	E 14	18,5	25	38	10	95	B	7,75
612883	E 16	20	25	38	11	95	B	7,75
612884	E 18	22	25	38	12	95	B	8,15
612885	E 20	25	30	38	13,5	145	B	8,15
612886	E 24	28,5	30	45	21	170	B	8,36

231/4AHX

Impact hexagonal screwdriver socket 1/2"

- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476
- drop forged, entirely hardened and tempered

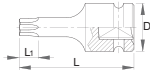


Barcode	Profile	D	L	L1	Weight	Box	Price
615218	5	25	75	15	85	B	8,55
615219	6	25	75	15	93	B	8,55
615220	8	25	75	25	95	B	8,55
615221	10	25	75	25	114	B	8,55
615222	12	25	75	25	130	B	8,55
615223	14	25	75	25	148	B	8,55
615224	17	25	75	25	183	B	9,66
615225	19	25	75	25	207	B	10,96
618749	3/16"	25	75	11	85	B	8,55
618750	7/32"	25	75	15	90	B	8,55
618751	1/4"	25	75	15	95	B	8,55
618752	9/32"	25	75	20	97	B	8,55
618753	5/16"	25	75	25	100	B	8,55
618754	3/8"	25	75	25	115	B	8,55
618755	7/16"	25	75	25	125	B	8,55
618756	1/2"	25	75	25	139	B	8,55
618757	9/16"	25	75	25	152	B	8,55
618758	5/8"	25	75	25	170	B	8,55
618759	11/16"	25	75	25	189	B	8,55
618760	3/4"	25	75	25	205	B	8,55

231/4ATX

Impact screwdriver socket 1/2" with TX profile

- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476
- drop forged, entirely hardened and tempered

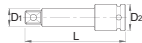


Barcode	Profile	D	L	L1	Weight	Material	Price
612874	TX 30	25	55	3.3	86	B	9,51
612875	TX 40	25	55	3.3	86	B	10,20
612876	TX 45	25	55	3.6	86	B	10,30
612877	TX 50	25	55	4.5	92	B	10,30
612878	TX 55	25	55	5	95	B	12,57
612879	TX 60	25	55	7.2	105	B	13,82
618761	TX 70	25	55	8.6	111	B	14,41

231.4/4

Impact extension bar 1/2"

- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476
- drop forged, entirely hardened and tempered

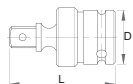


Barcode	Size	L	D1	D2	Weight	Material	Price
603978	1/2"	75	16.9	25	148	E	9,87
603977	1/2"	125	16.9	25	230	E	11,91

231.6/4

Impact universal joint 1/2"

- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476
- drop forged, entirely hardened and tempered

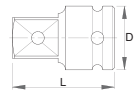


Barcode	Size	D	L	Weight	Material	Price
609460	1/2"	32	60	209	E	23,14

231.7/4

Impact adaptor 1/2"

- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476
- drop forged, entirely hardened and tempered

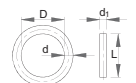


Barcode	Size	D	L	Weight	Material	Price
603979	1/2" - 3/4"	30	48	169	E	12,67
612120	1/2" - 3/8"	25	38	70	E	11,51

231.8/4

Impact accessories 1/2"

- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476












Barcode	Size	D	d	L	d1	Weight	Material	Price
603997	10 - 14	20	4	20	3	8	E	3,77
603998	15 - 32	25	4	25	3	9	E	5,57

231/4PB1

Set of impact sockets 1/2" in plastic box

- Dimension of box: 244 x 207 x 59



	Nº				
612506	231/4PB1	15 - 30 / 12	1915		100,20
<div> 231/4 6p (15, 17, 18, 19, 21, 22, 24, 27, 30),  231.4/4 (1/2" x 75),  231.8/4 (10 - 14, 15 - 32)</div>					

2 Impact sockets 1/2"

231/4PB2

Set of impact sockets 1/2" in plastic box

• Dimension of box: 244 x 207 x 59



Barcode	Nº	Hand	Person	Box	Price
612507	231/4PB2	15 - 30 / 12	3508		129,65
231.4/4 (1/2" x 75), 231.8/4 (10 - 14, 15 - 32), 231/4L6p (15, 17, 19, 21, 22, 24, 27, 30, 18)					

231/4PB3

Set of impact sockets 1/2" in plastic box

• Dimension of box: 244 x 207 x 59



Barcode	Nº	Hand	Person	Box	Price
612508	231/4PB3	17 - 24 / 12	2810		114,89
231/4 6p (17, 18, 19, 21, 22, 24), 231/4L6p (17, 18, 19, 21, 22, 24)					

231/4PB4

Set of impact sockets 1/2" with external and internal TX profile in plastic box

• Dimension of box: 244 x 207 x 44



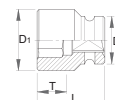
Barcode	Nº	Hand	Person	Box	Price
615227	231/4PB4	13	1551		137,12
231/4TX (E 10, E 12, E 14, E 16, E 18, E 20, E 24), 231/4ATX (TX 30, TX 40, TX 45, TX 50, TX 55, TX 60)					

232/4 6p

Impact socket 3/4"



- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476
- drop forged, entirely hardened and tempered
- made according to standard ISO 2725-2 (only metric dimension)



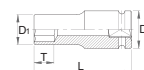
Barcode	Size	D1	D2	L	T	Person	Box	Price
603980	17	31	44	50	12	374		16,61
603981	19	33	44	50	14	387		16,61
603982	21	35	44	50	14	381		17,05
603983	22	37	44	50	14	400		17,05
603984	24	39	44	50	16	401		17,05
603985	27	43	44	54	23	410		17,08
609403	28	44	44	54	23	403		17,08
603986	30	47	44	54	23	438		17,08
603987	32	50	44	56	23	481		17,19
603988	33	51	44	56	23	497		17,87
603989	36	54	44	56	23	535		18,29
603990	41	60	44	58	24	634		22,79
603991	46	67	44	63	27	813		29,22

232/4L6p

Impact socket 3/4", long type



- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476
- drop forged, entirely hardened and tempered

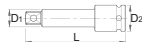


Barcode	Size	D1	D2	L	T	Person	Box	Price
607934	17	31	44	95	17	587		25,15
607935	19	33	44	95	19	580		25,15
607936	21	35	44	95	21	589		25,15
607937	22	37	44	95	22	643		25,15
607938	24	39	44	95	24	656		25,15
607939	27	43	44	95	27	731		25,15
609404	28	44	44	95	28	708		25,15
607940	30	47	44	95	30	802		25,15
607941	32	49	44	95	32	821		25,15
607942	33	51	44	95	33	906		26,27
607943	36	54	44	95	36	944		28,80
607944	41	60	44	95	38	1078		33,21
607945	46	67	44	95	38	1298		41,28

232.4/4

Impact extension bar 3/4"

- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476
- drop forged, entirely hardened and tempered

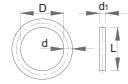


Barcode	Size	L	D1	D2	Weight	Material	Price
603993	3/4"	175	25.5	44	882	E	33,25
603992	3/4"	250	25.5	44	1245	E	39,41

232.8/4

Impact accessories 3/4"

- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476



Barcode	Size	Length	D	d	L	d1	Weight	Material	Price
603996	3/4"	17 - 46	35	4.5	35	4	11	E	6,86

232PB1

Set of long impact socket 3/4" in plastic box

- Dimension of box: 307 x 260 x 70

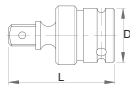


Barcode	Nº	Length	Weight	Material	Price
621459	232PB1	24 - 36 / 7	5340	G	187,35
232/4L6p (24, 27, 30, 32, 33, 36), 232.8/4 (3/4"), 981PBM2 (307 x 260 x 74)					

232.6/4

Impact universal joint 3/4"

- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476
- drop forged, entirely hardened and tempered

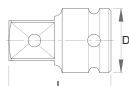


Barcode	Size	D	L	Weight	Material	Price
603994	3/4"	44	90	539	E	50,67

232.7/4

Impact adaptor 3/4"

- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476
- drop forged, entirely hardened and tempered

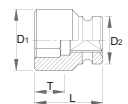


Barcode	Size	D	L	Weight	Material	Price
603995	3/4" - 1/2"	44	56	323	E	20,62
618708	3/4" - 1"	44	63	443	E	21,47

233/4 6p

Impact socket 1"

- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476
- drop forged, entirely hardened and tempered
- made according to standard ISO 2725-2 (only metric dimension)



Barcode	Size	D1	D2	L	T	Weight	Material	Price
615195	22	40	54	58	17	677	C	24,01
615196	24	42	54	58	17	679	C	24,01
615197	27	46	54	58	17	694	C	24,01
615198	30	50	54	60	21	726	C	24,01
615199	32	52	54	60	21	704	C	24,01
615200	33	53	54	60	21	703	C	26,69
615201	34	55	54	62	21	688	C	26,69
615202	36	56	54	65	30.5	785	C	26,69
615203	38	59	54	65	30	844	C	31,60

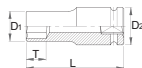
2 Impact sockets 1"

		D1	D2	L	T			
615204	41	63	54	67	31	933	C	31,60
615205	42	64	54	74	38	1055	C	34,58
615206	46	69	54	74	38	1174	C	34,58
615207	50	74	54	80	42	1367	C	39,83
615208	55	80	54	84	44.5	1632	C	41,80
615209	60	86	54	87	44.5	1715	C	47,02
615210	65	92	54	90	46.5	1962	C	71,59
615211	70	99	54	96	51	2370	C	84,78
615212	75	104	86	98	52	3364	C	96,20
615213	80	109	86	100	53	3656	C	103,50

233/4L6p

Impact socket 1", long type

- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476
- drop forged, entirely hardened and tempered

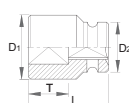


		D1	D2	L	T			
616771	22	40	54	100	21	879	C	34,95
616772	24	42	54	100	21	921	C	34,95
616773	27	46	54	100	24	1012	C	34,95
616774	30	50	54	100	24	1075	C	34,95
616775	32	52	54	100	24	1090	C	34,95
616776	33	53	54	100	24	1109	C	34,95
616777	34	55	54	100	40	1162	C	34,95
616778	36	56	54	100	65	1207	C	34,95
616779	38	59	54	100	65	1222	C	34,95
616780	41	63	54	100	64	1367	C	37,57
616781	42	64	54	100	64	1380	C	38,59
616782	46	69	54	100	63	1613	C	42,71
616783	50	74	54	100	62	1793	C	47,47
616784	55	80	54	100	60	1976	C	61,26
616785	60	86	54	120	78	2726	C	83,90
616786	65	92	54	125	80	3192	C	92,76
616787	70	99	54	125	80	3595	C	104,42
616788	75	104	86	135	85	4512	C	142,97
616789	80	109	86	135	85	5532	C	148,40

233/4SQ

Impact socket 1" with 4 point drive

- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476
- drop forged, entirely hardened and tempered



		D1	D2	L	T			
618763	18	42	52	57	24	572	C	23,62
618764	23	48	54	60	27	672	C	28,74
618762	1"	52	54	60	27	698	C	28,74

233.4/4

Impact extension bar 1"

- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476
- drop forged, entirely hardened and tempered

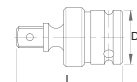


		L	D1	D2			
615214	1"	175	34	54	1505	C	41,41
615215	1"	250	34	54	2019	C	49,79

233.6/4

Impact universal joint 1"

- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476
- drop forged, entirely hardened and tempered

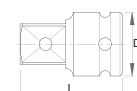


		D	L			
615216	1"	54	110	1051	C	102,59

233.7/4

Impact adaptor 1"

- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476
- drop forged, entirely hardened and tempered

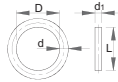


		D	L			
615217	1" - 3/4"	54	75	661	C	22,08
617303	1" - 1 1/2"	54	90.5	1107	C	40,65

233.8/4

Impact accessories 1"

- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476

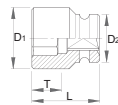


Barcode	Angle	D	d	L	d1	Weight	Material	Price
615254	22 - 70	46	3.5	43	5	21	E	6,86
615255	75 - 80	75	5.7	75	6	38	E	6,86

234/4 6p

Impact socket 1,1/2"

- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476
- drop forged, entirely hardened and tempered
- made according to standard ISO 2725-2 (only metric dimension)

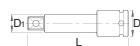


Barcode	Angle	D1	D2	L	T	Weight	Material	Price
616790	80	116	86	110	54	5224	C	216,78
616791	85	125	86	118	52	5688	C	229,89
616793	90	130	86	118	52	6395	C	247,81
616794	95	138	86	118	52	6995	C	273,82
616795	100	140	86	125	59	7995	C	319,66
616796	105	150	95	125	59	8995	C	346,50
616797	110	156	95	125	59	8995	C	358,37
616798	115	160	95	135	67	9035	C	408,34
616799	120	168	95	135	67	10195	C	443,50

234.4/4

Impact extension bar 1,1/2"

- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476
- drop forged, entirely hardened and tempered

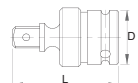


Barcode	Angle	L	D1	D2	Weight	Material	Price
617708	1.1/2"	125	49	86	3365	C	237,16
617709	1.1/2"	250	49	86	5652	C	408,96
617710	1.1/2"	500	49	86	9195	C	679,73

234.6/4

Impact universal joint 1,1/2"

- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476
- drop forged, entirely hardened and tempered

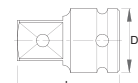


Barcode	Angle	L	D	Weight	Material	Price
617689	1.1/2"	182	86	4098	C	400,03

234.7/4

Impact adapter 1,1/2"

- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476
- drop forged, entirely hardened and tempered

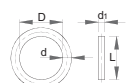


Barcode	Angle	D	L	Weight	Material	Price
616800	1.1/2" - 1"	86	100	2203	C	150,19
617711	1.1/2" - 2.1/2"	86	120	3986	C	202,67
617712	1.1/2" - 5S	86	125	2509	C	207,06

234.8/4

Impact accessories 1,1/2"

- material: chrome molybdenum
- surface finish: phosphated to standard DIN 12476



Barcode	Angle	D	d	L	d1	Weight	Material	Price
617126	80 - 90	75	5.7	75	6	55	E	6,72
617127	95 - 120	85	5.7	84	6	40	E	6,72

Pliers

A special procedure for the manufacture of pliers



1. Cutting

2. Forging

3. Trimming

4. Perforation

5. Burring and grinding

6. Machine marking and bending

7. Broaching

8. Tempering

9. Sanding and polishing

10. Chrome plating



The items with blue color handles are not available for sale in the USA and Canada. Items can be supplied with red color handles.

Features of Unior's pliers

Three line:

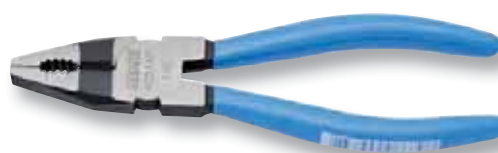
- material: special composition steel suitable for hardening and tempering
- forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated
- heavy duty double - component handles
- jet stamp UNIOR



- material: special composition steel suitable for hardening and tempering
- forged, entirely hardened and tempered
- cutting edges induction hardened
- head ground
- surface finish: phosphatized
- heavy duty plastic handles



- material: special composition steel suitable for hardening and tempering
- forged, entirely hardened and tempered
- cutting edges induction hardened
- head ground
- surface finish: phosphatized
- handles plastic dipped





Ergonomic handles

With ergonomic handles and a specially designed grip, surface Unior pliers provide maximum comfort at work and high efficiency with minimum strain.



Surface protection

The pliers are made of excellent steel with special improved composition. Several models come with additional chrome surface protection.



High precision

With their perfect design and technological superiority, Unior pliers ensure a high precision hold in any instance of general or dedicated use.



Flexibility

Completely adapted to particular use, requiring no unnecessary effort!



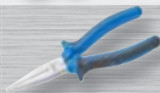
Combination pliers and sets

108 - 110



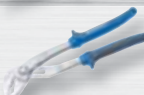
Diagonal and end cutters

110 - 112



Flat and round nose pliers

112 - 114



Waterpump and double groove joint pliers

114 - 117



Crimping pliers and ring terminals

118 - 124



Lock rings pliers

124 - 126



Carpenters and tower pincers

126 - 127



Grip pliers

128 - 130



Tile pincers and punch pliers

131



3 Combination pliers and sets

401PB6

Set of pliers and screwdrivers in plastic box

- Dimension of box: 244 x 207 x 44



Barcode	Nº	Hand	Weight	Volume	Price
621420	401PB6	6	780	G	62,31
<ul style="list-style-type: none"> 461/1BI (160), 506/1BI (140), 605TBI (0.4 x 2.5 x 75, 0.5 x 3.0 x 80), 615TBI (PH 0 x 60, PH 1 x 80), 981PB55 (244 x 207 x 44) 					

402A

Pliers set in carton box



Barcode	Nº	Hand	Weight	Volume	Price
617818	402A	3	1070	G	48,53
<ul style="list-style-type: none"> 406/1BI (180), 461/1BI (160), 445/1BI (240) 					

402B

Pliers set in carton box



Barcode	Nº	Hand	Weight	Volume	Price
617933	402B	3	1030	G	38,60
<ul style="list-style-type: none"> 406/4G (180), 461/4G (160), 445/4G (240) 					

404A

Tool set for hobby users in plastic box

- Dimension of box: 393 x 331 x 95



Barcode	Nº	Hand	Weight	Volume	Price
623100	404A	43	3900	G	222,58
<ul style="list-style-type: none"> 110/2 (8 x 10, 13 x 17, 19 x 24), 710R (3), 812 (300), 406/1BI (180), 447/1HPP (245), 514/1BI (160), 478/1BI (160), 461/1BI (140), 660/6 (100), 220/3PH, 556B (160), 188.8 (1/4"), 188.9 (1/4" - 1/4"), 6466C6,3 (PZ 1, PZ 2, PZ 3), 6472C6,3 (TX 8, TX 9, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), 6469C6,3 (3, 4, 5, 6), 6463C6,3 (PH 1, PH 2), 1250 (300), 630VDE (0.5 x 3.0 x 140), 981PB4 (393 x 331 x 95) 					

405/1BI

Combination pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty double - component handles
- made according to standard ISO 5746



Barcode	L	B	C	A	Weight	Price
607867	160	24	35	9.5	224	13,81
607868	180	27	38	10	273	14,91

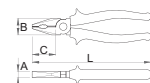


Barcode	L	B	C	A	Weight	Price
607869	200	29	41	10.5	351	16,03
cutting capacity (10N=1kg)						
Barcode	L	max 1600 N/mm² TØ	max 650 N/mm² TØ			
607867	160	1,6	2,0			
607868	180	1,8	2,5			
607869	200	2,0	2,5			

405/4G

Combination pliers

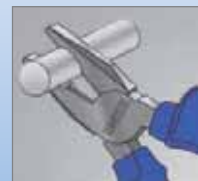
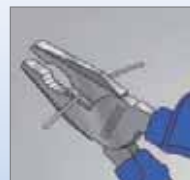
- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- heavy duty plastic handles
- made according to standard ISO 5746



Barcode	L	B	C	A	Weight	Price
608668	160	24	35	9.5	224	10,28
608669	180	27	38	10	273	11,13
608670	200	29	41	10.5	351	12,14
cutting capacity (10N=1kg)						
Barcode	L	max 1600 N/mm² TØ	max 650 N/mm² TØ			
608668	160	1,6	2,0			
608669	180	1,8	2,5			
608670	200	2,0	2,5			

FEATURES OF

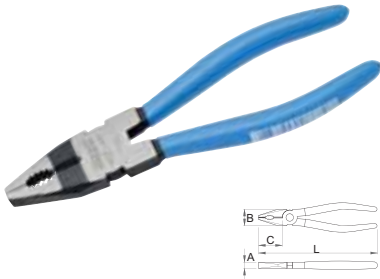
405/4G, 405/1BI, 405/4P, 406/1BI



405/4P

Combination pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- handles plastic dipped
- made according to standard ISO 5746



	L	B	C	A	Weight	
608678	160	24	35	9.5	171	9,28
608679	180	27	38	10	230	10,21
608680	200	29	41	10.5	274	11,08

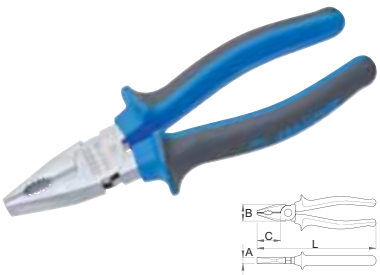
cutting capacity (10N=1kg)

	L	max 1600 N/mm ² $\overline{\text{T}}\varnothing$	max 650 N/mm ² $\overline{\text{T}}\varnothing$
608678	160	1,6	2,0
608679	180	1,8	2,5
608680	200	2,0	2,5

406/1BI

Combination pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty double - component handles
- jet stamp UNIOR
- made according to standard ISO 5746



	L	B	C	A	Weight	
607870	160	24	35	9.5	224	13,03
607871	180	27	38	10	274	13,71
607872	200	29	41	10.5	341	15,12
608354	220	32	47	11	421	17,84

cutting capacity (10N=1kg)

	L	max 1600 N/mm ² $\overline{\text{T}}\varnothing$	max 650 N/mm ² $\overline{\text{T}}\varnothing$
607870	160	1,6	2,0
607871	180	1,8	2,5
607872	200	2,0	2,5
608354	220	2,0	3,0

406/1BIST

Set of combination pliers on carton display



	Nº	Weight	
621854	406/1BIST	6	2100
	406/1BI (180)	G	92,93

406/4G

Combination pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- heavy duty plastic handles
- made according to standard ISO 5746



	L	B	C	A	Weight	
608673	140	23	32	8	157	9,70
608674	160	24	35	9.5	224	10,00
608675	180	27	38	10	274	10,74
608676	200	29	41	10.5	341	11,33
608677	220	32	47	11	421	13,67

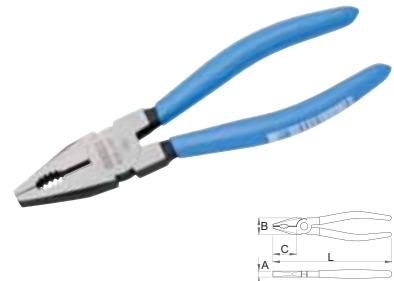
cutting capacity (10N=1kg)

	L	max 1600 N/mm ² $\overline{\text{T}}\varnothing$	max 650 N/mm ² $\overline{\text{T}}\varnothing$
608673	140	1,6	2,0
608674	160	1,6	2,0
608675	180	1,8	2,5
608676	200	2,0	2,5
608677	220	2,0	3,0

406/4P

Combination pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- handles plastic dipped
- made according to standard ISO 5746



	L	B	C	A	Weight	
608681	140	23	32	8	128	8,98
608682	160	24	35	9.5	184	9,16
608683	180	27	38	10	227	9,86
608684	200	29	41	10.5	278	10,41
608685	220	32	47	11	342	12,58

cutting capacity (10N=1kg)

	L	max 1600 N/mm ² $\overline{\text{T}}\varnothing$	max 650 N/mm ² $\overline{\text{T}}\varnothing$
608681	140	1,6	2,0
608682	160	1,6	2,0
608683	180	1,8	2,5
608684	200	2,0	2,5
608685	220	2,0	3,0



3 Combination pliers and sets

420/1BI

Linemen's pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty double - component handles



607873	L	B	C	A			
607873	180	24	45	11	241	B	19,46

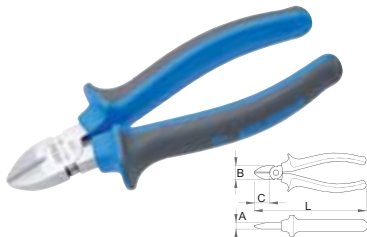
cutting capacity (10N=1kg)

607873	L	max 1600 N/mm ² TØ	max 650 N/mm ² TØ
607873	180	1,8	2,5

461/1BI

Diagonal cutting nippers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty double - component handles
- made according to standard ISO 5749



607883	L	B	A	C			
607883	140	19	9.5	18	169	B	13,56
607884	L	B	A	C			
607884	160	22.5	10	22	214	B	14,14

cutting capacity (10N=1kg)

607883	L	max 1600 N/mm ² TØ	max 650 N/mm ² TØ
607883	140	1,6	2,0
607884	L	max 1600 N/mm ² TØ	max 650 N/mm ² TØ
607884	160	1,6	2,5

461/1BIST

Set of diagonal cutting nippers on carton display



621855	461/1BIST	6	1700	G	95,52
461/1BI (160)					

461/4G

Diagonal cutting nippers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- heavy duty plastic handles
- made according to standard ISO 5749



608697	L	B	A	C			
608697	140	19	9.5	18	169	B	10,64
608698	L	B	A	C			
608698	160	22.5	10	22	214	B	11,52

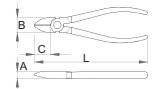
cutting capacity (10N=1kg)

608697	L	max 1600 N/mm ² TØ	max 650 N/mm ² TØ
608697	140	1,6	2,0
608698	L	max 1600 N/mm ² TØ	max 650 N/mm ² TØ
608698	160	1,6	2,5

461/4P

Diagonal cutting nippers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- handles plastic dipped
- made according to standard ISO 5749



612327	L	B	A	C			
612327	125	19	9.5	18	115	B	9,75
608695	L	B	A	C			
608695	140	19	9.5	18	134	B	9,75
608696	L	B	A	C			
608696	160	22.5	10	22	172	B	10,62

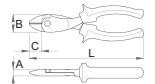
cutting capacity (10N=1kg)

612327	L	max 1600 N/mm ² TØ	max 650 N/mm ² TØ
612327	125	1,6	2,0
608695	L	max 1600 N/mm ² TØ	max 650 N/mm ² TØ
608695	140	1,6	2,0
608696	L	max 1600 N/mm ² TØ	max 650 N/mm ² TØ
608696	160	1,6	2,5

466/1BI

Heavy duty diagonal cutting nippers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty double - component handles
- made according to standard ISO 5749



617686	L	B	A	C			
617686	160	23.5	10	20.5	214	B	16,66
608850	L	B	A	C			
608850	180	28	11	20	313	B	19,79
608837	L	B	A	C			
608837	200	27	11	21	344	B	22,74

cutting capacity (10N=1kg)

617686	L	max 2150 N/mm ² TØ	max 650 N/mm ² TØ
617686	160	1,6	2,5
608850	L	max 2150 N/mm ² TØ	max 650 N/mm ² TØ
608850	180	1,8	3,0
608837	L	max 2150 N/mm ² TØ	max 650 N/mm ² TØ
608837	200	2,0	3,5

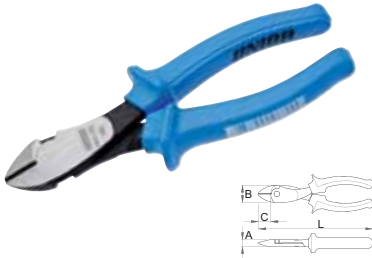
FEATURES OF

461/1BI, 461/4G, 461/4P



466/4G
Heavy duty diagonal cutting nippers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- heavy duty plastic handles
- made according to standard ISO 5749



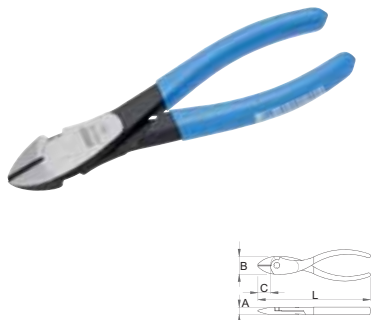
	L	B	A	C			
617687	160	23.5	10	20.5	214	B	15,79
608700	180	28	11	20	313	B	15,70
609190	200	27	11	21	344	B	18,50

cutting capacity (10N=1kg)

	L	max 2150 N/mm ² TØ	max 650 N/mm ² TØ
617687	160	1,6	2,5
608700	180	1,8	3,0
609190	200	2,0	3,5

466/4P
Heavy duty diagonal cutting nippers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- handles plastic dipped
- made according to standard ISO 5749



	L	B	A	C			
617688	160	23.5	10	20.5	178	B	12,38
608699	180	28	11	20	283	B	14,23
609191	200	27	11	21	303	B	17,13

cutting capacity (10N=1kg)

	L	max 2150 N/mm ² TØ	max 650 N/mm ² TØ
617688	160	1,6	2,5
608699	180	1,8	3,0
609191	200	2,0	3,5

468/4BI
Heavy duty diagonal cutting nippers SHARK

- material: special tool steel
- drop forged, entirely hardened and tempered
- uniform double joint to enable cutting with up to 50% less physical effort as convenient cutting nippers
- cutting edges induction hardened
- surface finish: phosphated to standard DIN 12476
- head surface finish: finely ground
- heavy duty double - component handles
- jet stamp UNIOR
- Cutting capacity piano wire up to 2 mm for hardness 2200 N/mm², hard wire up to 2,5mm and soft wire up to 4mm



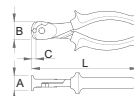
	L	B	A	C			
617778	200	30	18	18	350	B	26,97

cutting capacity (10N=1kg)

	L	max 2150 N/mm ² TØ	max 650 N/mm ² TØ
617778	200	2,5	4

455/1BI
End cutting nippers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty double - component handles
- made according to standard ISO 5748



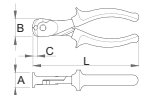
	L	B	A	C			
609192	160	27	22	7	254	B	18,19

cutting capacity (10N=1kg)

	L	max 1600 N/mm ² TØ	max 650 N/mm ² TØ
609192	160	1,6	2,5

455/4G
End cutting nippers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- heavy duty plastic handles
- made according to standard ISO 5748



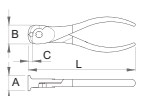
	L	B	A	C			
608694	160	27	22	7	254	B	14,83

cutting capacity (10N=1kg)

	L	max 1600 N/mm ² TØ	max 650 N/mm ² TØ
608694	160	1,6	2,5

455/4P
End cutting nippers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- handles plastic dipped
- made according to standard ISO 5748



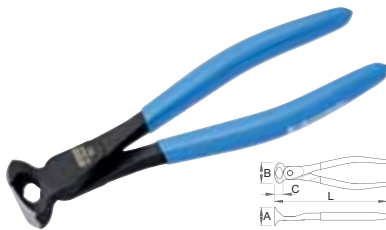
	L	B	A	C			
608693	160	27	22	7	216	B	13,70

cutting capacity (10N=1kg)

	L	max 1600 N/mm ² TØ	max 650 N/mm ² TØ
608693	160	1,6	2,5

**457/4AP****End cutting nippers**

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- handles plastic dipped
- made according to standard ISO 5748



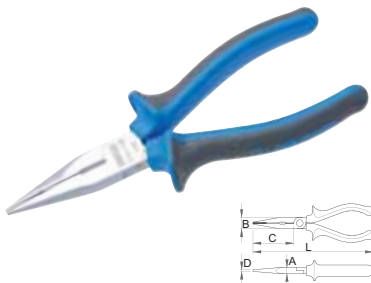
	L	B	A	C	Weight	Price
618648	180	31.5	28	12.5	244	22,25

cutting capacity (10N=1kg)

	L	max 1600 N/mm ² ∇	max 650 N/mm ² ∇
618648	180	1,6	2,5

506/1BI**Long nose pliers with side cutter**

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty double - component handles
- gripping surface serrated
- made according to standard ISO 5745
- also for clenching and separating of from cables and other sensitive objects



	L	B	D	A	C	Weight	Price
607874	140	15	2	8	39	115	13,34
607875	160	16	2.5	9	49	137	14,33

cutting capacity (10N=1kg)

	L	max 1600 N/mm ² ∇	max 650 N/mm ² ∇
607874	140	1,6	2,0
607875	160	1,6	2,0

506/4G**Long nose pliers with side cutter**

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- heavy duty plastic handles
- gripping surface serrated
- made according to standard ISO 5745
- also for clenching and separating of from cables and other sensitive objects



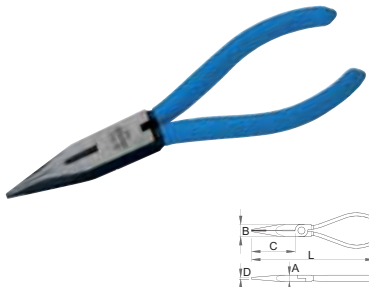
	L	B	D	A	C	Weight	Price
608712	140	15	2	8	39	115	9,35
608713	160	16	2.5	9	49	137	10,62

cutting capacity (10N=1kg)

	L	max 1600 N/mm ² ∇	max 650 N/mm ² ∇
608712	140	1,6	2,0
608713	160	1,6	2,0

506/4P**Long nose pliers with side cutter**

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- handles plastic dipped
- gripping surface serrated
- made according to standard ISO 5745
- also for clenching and separating of from cables and other sensitive objects



	L	B	D	A	C	Weight	Price
608716	140	15	2	8	39	89	8,55
608717	160	16	2.5	9	49	111	9,70

cutting capacity (10N=1kg)

	L	max 1600 N/mm ² ∇	max 650 N/mm ² ∇
608716	140	1,6	2,0
608717	160	1,6	2,0

508/1BI**Long nose pliers with side cutter and pipe grip, straight**

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty double - component handles
- gripping surface serrated
- made according to standard ISO 5745
- also for clenching and separating of from cables and other sensitive objects



	L	B	D	A	C	Weight	Price
607876	170	17	2.5	9	61	156	16,25
607877	200	17	2.5	9	77	191	16,82

cutting capacity (10N=1kg)

	L	max 1600 N/mm ² ∇	max 650 N/mm ² ∇
607876	170	1,6	2,0
607877	200	1,8	2,5

508/4G**Long nose pliers with side cutter and pipe grip, straight**

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- heavy duty plastic handles
- gripping surface serrated
- made according to standard ISO 5745
- also for clenching and separating of from cables and other sensitive objects



	L	B	D	A	C	Weight	Price
608710	170	17	2.5	9	61	156	12,30
608711	200	17	2.5	9	77	191	13,01

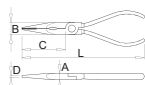
cutting capacity (10N=1kg)

	L	max 1600 N/mm ² ∇	max 650 N/mm ² ∇
608710	170	1,6	2,0
608711	200	1,8	2,5

508/4P

Long nose pliers with side cutter and pipe grip, straight

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- handles plastic dipped
- gripping surface serrated
- made according to standard ISO 5745
- also for clenching and separating of from cables and other sensitive objects



	L	B	D	A	C			
608714	170	17	2.5	9	61	124	B	11,19
608715	200	17	2.5	9	77	162	B	11,87

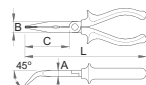
cutting capacity (10N=1kg)

	L	max 1600 N/mm ² TØ	max 650 N/mm ² TØ
608714	170	1,6	2,0
608715	200	1,8	2,5

512/4G

Long nose pliers with side cutter and pipe grip, bent

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- gripping surface serrated
- jaws bent to an angle of 45°
- heavy duty plastic handles
- the long bent jaws enable simple and precise clenching of nuts and screws
- the strong jaws enable good grip



	L	B	D	A	C			
608720	170	17	2.5	9	61	152	B	14,41
608721	200	17	2.5	9	77	204	B	15,17

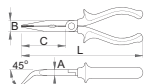
cutting capacity (10N=1kg)

	L	max 1600 N/mm ² TØ	max 650 N/mm ² TØ
608720	170	1,6	2,0
608721	200	1,8	2,5

512/1BI

Long nose pliers with side cutter and pipe grip, bent

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty double - component handles
- gripping surface serrated
- jaws bent to an angle of 45°
- the long bent jaws enable simple and precise clenching of nuts and screws
- the strong jaws enable good grip



	L	B	D	A	C			
607966	170	17	2.5	9	61	152	B	18,02
607967	200	17	2.5	9	77	204	B	18,81

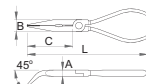
cutting capacity (10N=1kg)

	L	max 1600 N/mm ² TØ	max 650 N/mm ² TØ
607966	170	1,6	2,0
607967	200	1,8	2,5

512/4P

Long nose pliers with side cutter and pipe grip, bent

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- handles plastic dipped
- gripping surface serrated
- jaws bent to an angle of 45°
- the long bent jaws enable simple and precise clenching of nuts and screws
- the strong jaws enable good grip



	L	B	D	A	C			
608718	170	17	2.5	9	61	123	B	13,11
608719	200	17	2.5	9	77	166	B	13,95

cutting capacity (10N=1kg)

	L	max 1600 N/mm ² TØ	max 650 N/mm ² TØ
608718	170	1,6	2,0
608719	200	1,8	2,5

FEATURES OF

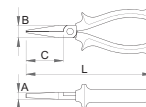
512/4P, 512/4G, 512/1BI



472/1BI

Long flat nose pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty double - component handles
- gripping surface serrated
- made according to standard ISO 5745

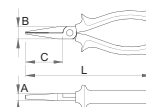


	L	B	C	A			
607878	140	15	39	8	120	B	12,28
607879	160	16	49	9	146	B	13,30

472/4G

Long flat nose pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- head surface finish: fine grinding
- surface finish: phosphated to standard DIN 12476
- gripping surface serrated
- heavy duty plastic handles
- made according to standard ISO 5745



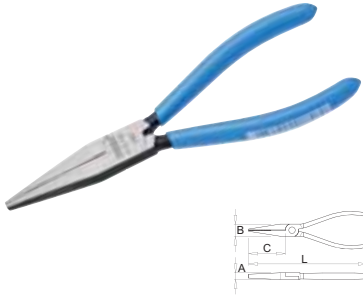
	L	B	C	A			
608704	140	15	39	8	120	B	8,84
608705	160	16	49	9	146	B	9,65

3 Flat and round nose pliers

472/4P

Long flat nose pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- head surface finish: fine grinding
- surface finish: phosphated to standard DIN 12476
- handles plastic dipped
- gripping surface serrated
- made according to standard ISO 5745

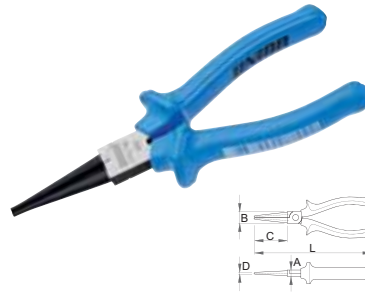


	L	B	C	A			
608702	140	15	39	8	84	B	8,10
608703	160	16	49	9	111	B	8,74

476/4G

Long round nose pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- minor possibility of damaging wires
- long points enable reaching of wires in hard-to-reach places
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- heavy duty plastic handles
- made according to standard ISO 5745



	L	B	A	C	D		
608708	140	15	9	39	2	116	B
608709	160	16	10	49	2.5	126	B

476/1BI

Long round nose pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- minor possibility of damaging wires
- long points enable reaching of wires in hard-to-reach places
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty double - component handles
- made according to standard ISO 5745

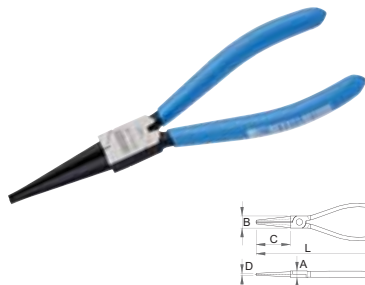


	L	B	A	C	D		
607880	140	15	9	39	2	116	B
607881	160	16	10	49	2.5	126	B

476/4P

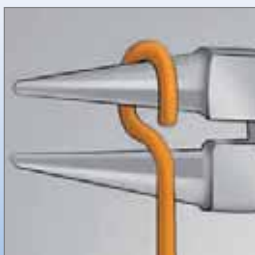
Long round nose pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- minor possibility of damaging wires
- long points enable reaching of wires in hard-to-reach places
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- handles plastic dipped
- made according to standard ISO 5745



	L	B	A	C	D		
608706	140	15	9	39	2	89	B
608707	160	16	10	49	2.5	101	B

FEATURES OF 476/1BI, 476/4G, 476/4P



447/1HPP

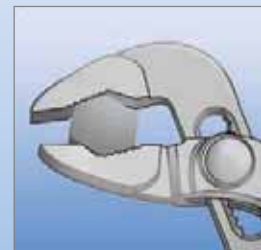
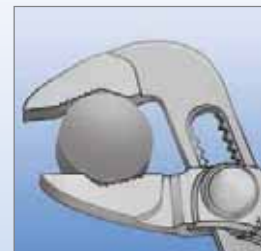
Waterpump pliers

- material: chrome vanadium
- drop forged, entirely hardened and tempered
- working surfaces induction hardened
- surface finish: chrome plated to standard EN12540
- heavy duty double - component handles
- toothed jaw is designed to ensure optimum grip of an object
- jaw aperture adjustable in 10 positions
- The HPP pliers have a button for fast regulation of the jaw's gap which enables fast and precise adaptation of the jaw to the wanted grip of the work piece.
- Extreme grip strength: The design and shape of the pliers' jaws enable, despite the slim construction, better grip strength of the work piece, which results in stability, work safety, and greater effectiveness.
- Finish: pliers are drop forged from high quality tool steels and heat treated
- Work: due to the slim construction, the jaws enable one-handed work in difficult-to-reach places
- Made of double-component material which reduces slipping of the hand during work and so enable safe and effective transmission of power from the hand to the pliers' jaws
- Ergonomics: handles are designed to fully adjust to the users hand and so enable greater handling and work safety



	L	A				
620172	245	8.5	40	392	B	29,35

FEATURES OF 447/1HPP, 447/4PHPP



447/1BIHPPST

Set of waterpump pliers on display



Barcode	Nº	Hand	Person	Box	Weight
621856	447/1BIHPPST	6	2750	G	186,76
447/1HPP (245)					

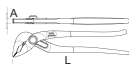
447/4PHPP

Waterpump pliers

- material: chrome vanadium
- drop forged, entirely hardened and tempered
- surface finish: phosphated to standard DIN 12476
- head surface finish: finely ground
- handles plastic dipped
- toothed jaw is designed to ensure optimum grip of an object
- jaw aperture adjustable in 10 positions
- The HPP pliers have a button for fast regulation of the jaw's gap which enables fast and precise adaptation of the jaw to the size of the work piece.
- Extreme grip strength: The design and shape of the pliers' jaws enable, despite the slim construction, better grip strength of the work piece, which results in stability, safety, and greater effectiveness.
- Finish: pliers are drop forged from high quality tool steels and heat treated
- Work: due to the slim construction, the jaws enable one-handed work in difficult-to-reach places
- Made of double-component material which reduces slipping of the hand during work and so enable safe and effective transmission of power from the hand to the pliers' jaws
- Ergonomics: handles are designed to fully adjust to the users hand and so enable greater handling and work safety



Barcode	L	A	mm	mm	mm	Weight
616727	180	9.5	33	201	B	22,87
611780	240	9	40	397	B	28,56



Barcode	L	A	mm	mm	mm	Weight
620421	245	8.5	40	353	B	22,38

442/1HYPO

Variable joint "HYPO" pliers

- material: special tool steel
- working surfaces induction hardened
- surface finish: chrome plated to standard EN12540
- heavy duty double - component handles
- drop forged, entirely hardened and tempered



Barcode	L	A	mm	mm	mm	Weight
616727	180	9.5	33	201	B	22,87
611780	240	9	40	397	B	28,56

442/1BIST

Set of variable joint HYPO pliers on carton display

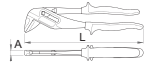


Barcode	Nº	Hand	Person	Box	Weight
615185	442/1BIST	6	2890	F	173,83
442/1HYPO (240)					

449/1PYTHON

Waterpump box joint pliers

- material: chrome vanadium
- drop forged, entirely hardened and tempered
- surface finish: chrome plated to standard EN12540
- jaw aperture adjustable in 7 positions
- jaws are always parallel to protect the work piece from being damaged
- 449.1 additional plastic jaws for work on chromed and polished work pieces
- heavy duty double - component handles









Barcode	L	A	mm	mm	mm	Weight
615032	240	11	42	420	B	32,25
616725	300	15	63	709	B	38,84

449.1

Plastic jaw for 449/1PYTHON



					
615033	240	2	10	E	1,65
616726	300	2	12	E	1,65

449/1BIST

Set of waterpump box joint pliers on carton display



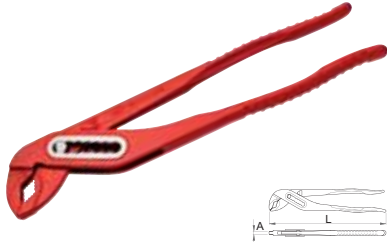
Barcode	Nº	Hand	Person	Box	Weight
615182	449/1BIST	6	3000	F	196,32
449/1PYTHON (240)					

3 Waterpump and double groove joint pliers

447/6

Waterpump box joint pliers

- material: chrome vanadium
- drop forged, entirely hardened and tempered
- working surfaces induction hardened
- a special bulge prevents fingers to be pressed between the handles of the pliers
- surface finish: red lacquered
- jaw aperture adjustable in 7 positions
- made according to standard ISO 8976



	L	A	mm			
607348	175	6.5	26.5	154	B	11,33
603160	240	7.5	35	312	B	15,12
605006	300	8.5	42	464	B	21,42

441/4BI

Slip joint waterpump pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- heavy duty double - component handles
- slip joint
- jaw aperture adjustable in 5 positions
- made according to standard ISO 8976

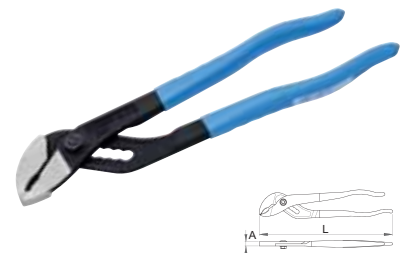


	L	A	mm			
616729	170	13.8	30	179	B	12,05

441/4P

Slip joint waterpump pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- head surface finish: finely ground
- handles plastic dipped
- slip joint
- surface finish: phosphated to standard DIN 12476
- jaw aperture adjustable in 5 positions
- made according to standard ISO 8976



	L	A	mm			
616731	170	13.8	30	147	B	10,34
608686	240	7.5	35	297	B	10,37

441/1BI

Slip joint waterpump pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty double - component handles
- slip joint
- jaw aperture adjustable in 5 positions
- made according to standard ISO 8976



	L	A	mm			
616728	170	13.8	30	179	B	12,89

441/4G

Slip joint waterpump pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- heavy duty plastic handles
- slip joint
- jaw aperture adjustable in 5 positions
- made according to standard ISO 8976

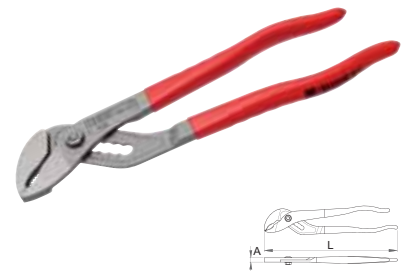


	L	A	mm			
616730	170	13.8	30	179	B	11,48

441/7PR

Slip joint waterpump pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- slip joint
- jaw aperture adjustable in 6 positions
- head surface finish: finely ground
- handles ergonomically shaped
- handles plastic dipped
- made according to standard ISO 8976



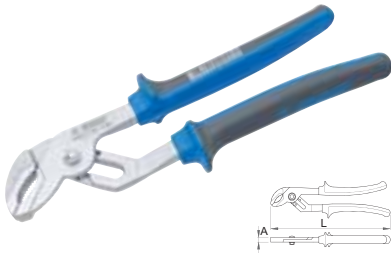
	L	A	mm			
601464	240	8	35	337	B	10,37



445/1BI

Double groove joint pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty double - component handles
- grooved joint
- jaw aperture adjustable in 5 positions for dim. 180, for dim. 240 and 300 in 6 positions
- made according to standard ISO 8976



	L	A	mm	mm		
607885	180	9.9	25	197	B	14,93
620557	240	10.8	35	417	B	19,65
607887	300	12.2	40	657	B	24,20

445/4G

Double groove joint pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- heavy duty plastic handles
- grooved joint
- jaw aperture adjustable in 5 positions for dim. 180, for dim. 240 and 300 in 6 positions
- made according to standard ISO 8976



	L	A	mm	mm		
608690	180	9.9	25	197	B	11,49
620558	240	10.8	35	417	B	16,34
608692	300	12.2	40	657	B	20,62

445/1P

Double groove joint pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated to standard EN12540
- handles plastic dipped
- grooved joint
- jaw aperture adjustable in 11 positions
- made according to standard ISO 8976



	L	A	mm	mm		
608213	410	15	105	1290	B	29,50

445/1BIST

Set of double groove joint pliers on carton display

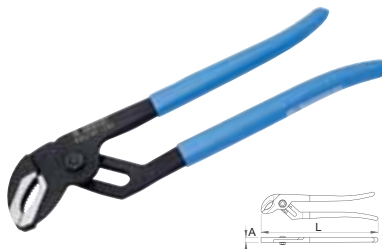


	Nº				
615183	445/1BIST	6	2865	B	119,61
445/1BI (240)					

445/4P

Double groove joint pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- handles plastic dipped
- grooved joint
- jaw aperture adjustable in 5 positions for dim. 180, for dim. 240 and 300 in 6 positions
- made according to standard ISO 8976



	L	A	mm	mm		
608687	180	9.9	25	147	B	10,63
620559	240	10.8	35	347	B	14,87
608689	300	12.2	40	587	B	19,03

446/2

Wheel and rack waterpump pliers

- material: special tool steel
- entirely chrome plated
- infinitely adjustment of jaw aperture
- drop forged, entirely hardened and tempered
- variable adjustment of opening jaws



	L	A	mm	mm		
601461	260	7.5	35	469	B	29,78

446/2P

Wheel and rack waterpump pliers

- material: special tool steel
- entirely chrome plated
- infinitely adjustment of jaw aperture
- drop forged, entirely hardened and tempered
- variable adjustment of opening jaws
- handles plastic dipped



	L	A	mm	mm		
607732	260	7.5	35	492	B	30,67

FEATURES OF

445/1BI, 445/4G, 445/4P, 445/1P



3 Crimping pliers and ring terminals

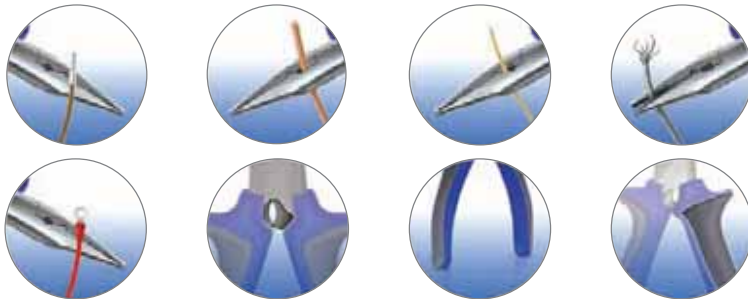
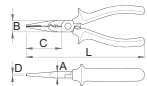
514/1BI

Multifunctional electricians pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty double - component handles

Advantages:

- 7 different functions
- multi-toothed jaw
- ergonomically shaped handle
- extra strong grip
- high durability
- Winding hard wire and bending rings up to Ø 3.5 mm. Rings can be bent to the right or to the left, since the tool has appropriate teeth on both sides of the jaw.
- The ground part of the jaw is intended for gripping objects with sensitive surfaces.
- The pliers can be used for crimping insulated spade terminals.
- Extra strong grip - the design and shape of the handles give the hand more leverage during use, enabling more stability and safer transmission of force.
- Multi-toothed jaw prevents slipping and enables a better grip of cables, wires etc.
- Stripping off insulations from Ø 2.2 mm to Ø 3.0 mm.
- Stripping off insulations from Ø 3.5 mm to Ø 4.0 mm.
- Cutting wires from Ø 2.2 mm to Ø 4.0 mm.
- Crimping cable terminals up to Ø 4.0 mm.



	L	B	D	A	C			
612782	160	16	2.5	9	49	141	B	16,73

cutting capacity (10N=1kg)

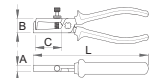
	L	max 1600 N/mm² $\nabla \emptyset$	max 650 N/mm² $\nabla \emptyset$
612782	160	1,6	2,0



478/1BI

Wire stripping pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty double - component handles
- stripping capacity: up to max 0.6 - 10mm²
- spring for reopening

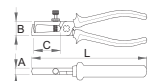


	L	B	A	C				
607882	160	0.6 - 10	18	9	40	178	B	14,72

478/4G

Wire stripping pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- heavy duty plastic handles
- stripping capacity: up to max 0.6 - 10mm²
- spring for reopening



	L	B	A	C				
608701	160	0.6 - 10	18	9	40	178	B	12,10

FEATURES OF

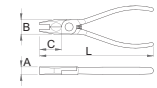
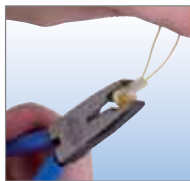
478/1BI, 478/4G



503/4P

Telephone pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- handles plastic dipped

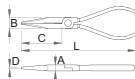


Barcode	L	B	A	C	Weight	Price
607863	140	17	9	35	99	22,11

503/4AP

Telephone pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- handles plastic dipped



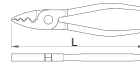
Barcode	L	B	D	A	C	Weight	Price
607330	160	16	0.8	9	49	104	14,10



424/4P

Crimping pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- for non insulated terminals (dim. 140 from 0,5-2,5mm², dim. 180 0,5-16mm²)
- handles plastic dipped

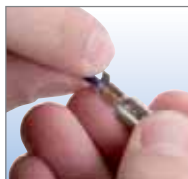


Barcode	Range	L	Weight	Price
607949	0.5 - 2.5	140	144	22,39
607950	0.25 - 16	180	258	34,35

425/4A

Crimping pliers

- material: sheet metal
- entirely hardened and tempered
- for insulated and closed non insulated terminals (1,5-6mm²), for cutting cables, screws and stripping insulation
- surface finish: phosphated to standard DIN 12476
- heavy duty plastic handles



Barcode	Range	L	Weight	Price
601136	1.5 - 6	240	320	18,48

425/4B

Crimping pliers

- material: sheet metal
- entirely hardened and tempered
- for insulated and non insulated open terminals (1,5-6mm²), for cutting cables, screws and stripping insulation
- surface finish: phosphated to standard DIN 12476
- heavy duty plastic handles

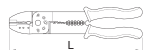


Barcode	Range	L	Weight	Price
601137	1.5 - 6	240	320	17,81

425/4AB

Crimping pliers

- material: sheet metal
- entirely hardened and tempered
- for non insulated standard and closed terminals (1,5-6mm²), for cutting cables, screws and stripping insulation
- surface finish: phosphated to standard DIN 12476
- heavy duty plastic handles



Barcode	Range	L	Weight	Price
605806	1.5 - 6	240	320	19,79



3 Crimping pliers and ring terminals

426/3A

Crimp - grip pliers

- for insulated terminals (0,5-6mm²), for cutting cables and wires
- toggle joint ensures high compression pressure with little effort
- tool steel jaws, oil hardened, phosphated
- handles nickel plated
- material: sheet metal



601138	0.5 - 6	220	512		26,18

426/3B

Crimp - grip pliers

- for non insulated terminals (0,5-10mm²), for cutting cables and wires
- toggle joint ensures high compression pressure with little effort
- tool steel jaws, oil hardened, phosphated
- handles nickel plated
- material: sheet metal



601139	0.5 - 10	220	484		28,44

427/4AG

Crimp grip pliers

- for cord end sleeves 0,08 - 10mm²/AWG28 - 7
- strong metal crimping profile with electrical plating
- square crimping performs a better contact than traditional crimping profile
- reinforced connecting spring for longer usage life



621550	433		180,00

427/4BG

Modular crimping pliers

- professional tool for cutting and stripping unshielded ribbon telephone cables
- for crimping 4-, 6- and 8-pole Western plugs type RJ 10 (7.65 mm width), type RJ 11/12 (9.65 mm width) and type RJ 45 (11.68 mm width)
- exact crimping process due to parallel crimping
- with additional stripping device for round cables
- with length cutter and dismantling knife for ribbon cables 6 and 12 mm width



621551	567		116,85

427/4CG

Crimp grip pliers

- special designed clamping jaws hold the wire securely during the stripping process
- swivel knob micro-adjusts for thinner wire to 30AWG (0.05mm²) or thicker wire to 8AWG (8mm²)
- crimp non-insulated terminals 10-22AWG (1.5 to 6.0mm²)
- crimp insulated terminals 10-22AWG (1.5 to 6.0mm²)
- crimp auto ignition terminals 7 to 8mm



621552	378		20,47

427/4DG

Modular crimping pliers

- tool for cutting and stripping unshielded ribbon telephone cables
- for crimping 6- and 8-pole Western plugs type RJ 11/12 (9.65 mm width) and type RJ 45 (11.68 mm width)
- exact crimping process due to parallel crimping
- with additional stripping device for round cables
- with length cutter and dismantling knife for ribbon cables 6 and 12 mm width



621553	401		31,77

427/2FG

Crimp grip pliers

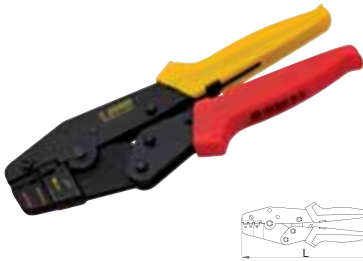
- hexagon crimping
- lever transmission permits light force transfer
- very easy to handle
- the respective cross-section is set by rotating profile disks
- Dented 6-position rotating dies 6, 10, 16, 25, 35, 50mm²
- jaws hardened to 38-40HRC



621555	6 - 50	1350		98,81

428/4**Crimp lever pliers**

- jaws drop forged from special tool steel, entirely hardened and tempered
- toggle joint ensures high compression pressure with little effort
- heavy duty plastic handles
- re-changeable head-spare part
- surface finish: phosphated to standard DIN 12476



602327	0.5 - 6	240	575	E 58,71

428.1/4**Spare parts for art. 428/4**

- spare head



602328	161		E	11,96

428.1/4AG**Spare jaw for insulated terminals for 428/4AG**

621955	57		E	10,02

428/4AGPB**Set of grip crimp pliers with exchangeable jaws in plastic box**

- quick changing system for 4 different types of jaws
- ratchet crimp system ensures reliable work
- for insulated terminals AWG10-12/14-16/18-22 (4-6/1.5-2.5/0.5-1.0mm²)
- for non-insulated terminals AWG14-6 (0.2-16mm²)
- for cord end terminals AWG22-6 (0.5-16mm²)
- for BNC/TNC coax connectors RG-58, RG-59/62. Hex connectors 0.255 (6.48mm²), 0.213 (5.41mm²), 0.068 (1.73mm²)
- Dimension of box: 307 x 260 x 55



621557	1315		G	113,05

428.2/4AG**Spare jaw for non-insulated terminals for 428/4AG**

621956	55		E	10,02

428.3/4AG**Spare jaw for cord end terminals for 428/4AG**

621957	74		E	10,02

428.4/4AG**Spare jaw for coax and hex connectors for 428/4AG**

621958	55		E	10,02

3 Crimping pliers and ring terminals

423.1R

Ring terminals (20 pcs)



Barcode	A	mm	L	pcs	price
609193	3	0.5 - 1.5	17	17	1,59
609194	4	0.5 - 1.5	17	40	1,59
609195	5	0.5 - 1.5	20	40	1,59

423.1B

Ring terminals (20 pcs)



Barcode	A	mm	L	pcs	price
609196	4	1.5 - 2.5	22	40	1,98
609197	5	1.5 - 2.5	22	40	1,98
609198	6	1.5 - 2.5	27	40	2,63
609199	8	1.5 - 2.5	27	40	2,63

423.1J

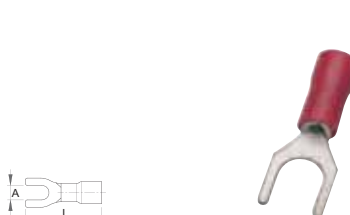
Ring terminals (20 pcs)



Barcode	A	mm	L	pcs	price
609200	5	2.5 - 6	26	40	3,21
609201	6	2.5 - 6	31	40	4,01
609202	8	2.5 - 6	34	40	4,80
609203	10	2.5 - 6	34	40	4,80

423.2R

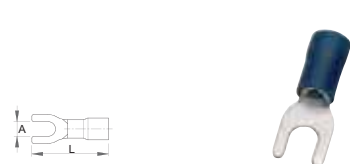
Spade terminals (20 pcs)



Barcode	A	mm	L	pcs	price
609204	3	0.5 - 1.5	21	40	1,59
609205	4	0.5 - 1.5	21	40	1,59
609206	5	0.5 - 1.5	21	40	1,98

423.2B

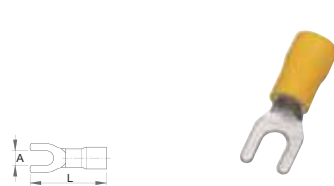
Spade terminals (20 pcs)



Barcode	A	mm	L	pcs	price
609207	4	1.5 - 2.5	21	40	1,98
609208	5	1.5 - 2.5	21	40	2,21

423.2J

Spade terminals (20 pcs)



Barcode	A	mm	L	pcs	price
609209	4	2.5 - 6	25	40	2,95
609210	5	2.5 - 6	25	40	2,95
609211	6	2.5 - 6	25	40	2,95

423.3R

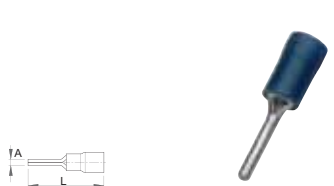
Spade terminals (20 pcs)



Barcode	A	mm	L	pcs	price
609212	1.9	0.5 - 1.5	21	40	1,98

423.3B

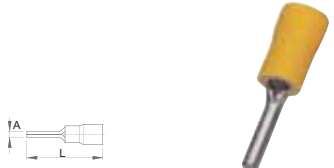
Spade terminals (20 pcs)



Barcode	A	mm	L	pcs	price
609213	1.9	1.5 - 2.5	21	40	2,12

423.3J

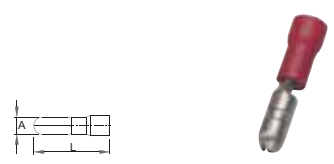
Spade terminals (20 pcs)



Barcode	A	mm	L	pcs	price
609214	2.8	2.5 - 6	25	40	3,29

423.4R

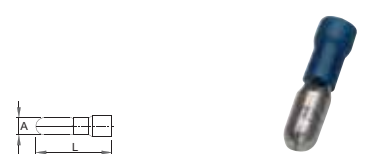
Male connectors (20 pcs)



Barcode	A	mm	L	pcs	price
609215	4	0.5 - 1.5	21	40	1,59

423.4B

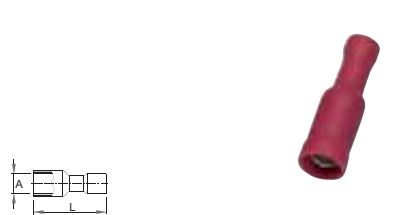
Male connectors (20 pcs)



Barcode	A	mm	L	pcs	price
609216	5	1.5 - 2.5	21	40	1,98

423.5R

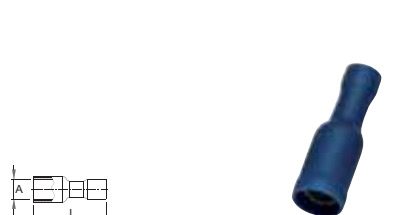
Female connectors (20 pcs)



Barcode	A	mm	L	pcs	price
609217	4	0.5 - 1.5	24	40	2,21

423.5B

Female connectors (20 pcs)



Barcode	A	mm	L	pcs	price
609218	5	1.5 - 2.5	24	40	2,63

423.6R

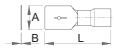
Male spade terminals (20 pcs)



Barcode	A	B	mm	L	pcs	price
609219	6.3	0.8	0.5 - 1.5	22	40	1,98

423.6B

Male spade terminals (20 pcs)



	A	B		L			
609220	6.3	0.8	1.5 - 2.5	22	40	E	1,98

423.8R

Insulated female spade terminals (20 pcs)



	A	B		L			
609226	6.3	0.8	0.5 - 1.5	23	40	E	2,63

423.10R

Cable connectors (20 pcs)



	A		L			
609231	1.6	0.5 - 1.5	25	40	E	1,59

423.6J

Male spade terminals (20 pcs)



	A	B		L			
609221	6.3	0.8	2.5 - 6	22	40	E	1,98

423.8B

Insulated female spade terminals (20 pcs)



	A	B		L			
609227	6.3	0.8	1.5 - 2.5	24	40	E	2,63

423.10B

Cable connectors (20 pcs)



	A		L			
609232	2.3	1.5 - 2.5	26	40	E	1,98

423.7R

Female spade terminals (20 pcs)



	A	B		L			
609222	2.8	0.5	0.5 - 1.5	20	40	E	1,59
609223	6.3	0.8	0.5 - 1.5	22	40	E	1,98

423.8J

Insulated female spade terminals (20 pcs)



	A	B		L			
609228	6.3	0.8	2.5 - 6	24	40	E	2,63

423.10J

Cable connectors (20 pcs)



	A		L			
609233	3.6	2.5 - 6	26	40	E	2,63

423.7B

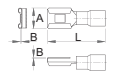
Female spade terminals (20 pcs)



	A	B		L			
609224	6.3	0.8	1.5 - 2.5	22	40	E	1,98

423.9R

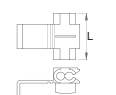
Insulated female spade terminals (20 pcs)



	A	B		L			
609229	6.3	0.8	0.5 - 1.5	22	40	E	2,41

423.11R

Rapid connectors (20 pcs)



		L			
609234	0.5 - 1.5	20	40	E	2,63

423.7J

Female spade terminals (20 pcs)



	A	B		L			
609225	6.3	0.8	2.5 - 6	22	40	E	1,98

423.9B

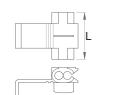
Insulated female spade terminals (20 pcs)



	A	B		L			
609230	6.3	0.8	1.5 - 2.5	22	40	E	2,41

423.11B

Rapid connectors (20 pcs)



		L			
609235	1.5 - 2.5	20	40	E	2,63

3 Crimping pliers and ring terminals

380

Wire stripper

- fully insulated automatic wire stripper for all common stranded and solid conductors of 0, 2-6mm²
- adjustable length stop of 5-12 mm
- easily accessible built-in side cutter for max. 2mm



610925	0.2 - 6	117	E		31,66

385H

Cable stripper with hook knife

- accurate, fast and safe stripping of all common round cables of 4-28 mm²
- no damage of the inner conductors can occur due to infinitely variable adjustment of the cutting depth
- the swivel blade automatically turn from circular to longitudinal cut
- inside of handles are spare swivel blade



610930	4 - 28	91	E		14,21

385G

Cable stripper with straight knife

- accurate, fast and safe stripping of all common round cables of 4-28 mm²
- no damage of the inner conductors can occur due to infinitely variable adjustment of the cutting depth
- the swivel blade automatically turn from circular to longitudinal cut
- inside of handles are spare swivel blade

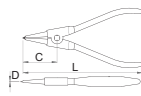


610931	4 - 28	92	E		14,21

532/1P

External lock rings pliers, straight

- material: special tool steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated to standard EN12540
- tips black finish
- handles plastic dipped
- made according to standard DIN 5254 form A

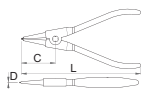


	L							
616734	300	85 - 140	3.2	86	502	B		21,78

532PLUS/1DP

External lock rings pliers, straight

- material: special tool steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated to standard EN12540
- tips black finish
- double plastic dipped handles
- made according to standard DIN 5254 form A
- for fitting circlips on shafts
- for diameter 10 to 100mm
- with inserted tips
- 30% higher endurance in comparison to convenient lock rings pliers



	L							
621187	140	3 - 10	0.9	40	127	B		13,79

	L							
621188	140	10 - 25	1.3	40	131	B		13,79

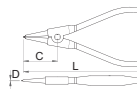
	L							
621189	180	19 - 60	1.8	52	209	B		14,84

	L							
621190	220	40 - 100	2.2	63	276	B		17,53

532PLUS/4DP

External lock rings pliers, straight

- material: special tool steel
- drop forged, entirely hardened and tempered
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- tips black finish
- double plastic dipped handles
- made according to standard DIN 5254 form A
- for fitting circlips on shafts
- for diameter 10 to 100mm
- with inserted tips
- 30% higher endurance in comparison to convenient lock rings pliers



	L							
621191	140	3 - 10	0.9	40	127	B		13,21

	L							
621192	140	10 - 25	1.3	40	131	B		13,21

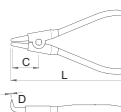
	L							
621193	180	19 - 60	1.8	52	209	B		14,30

	L							
621194	220	40 - 100	2.2	63	276	B		16,83

534/1P

External lock rings pliers, bent

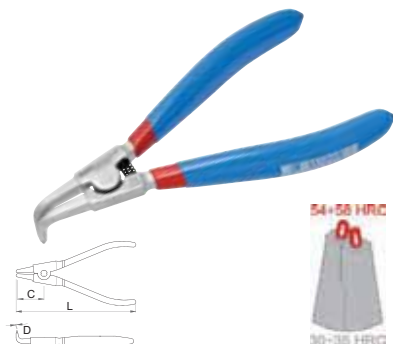
- material: special tool steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated to standard EN12540
- tips black finish
- handles plastic dipped
- made according to standard DIN 5254 form B



616737	300	85 - 140	280	3.2	68	502	B	21,96

534PLUS/1DP**External lock rings pliers, bent**

- material: special tool steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated to standard EN12540
- tips black finish
- made according to standard DIN 5254 form B
- double plastic dipped handles
- for fitting circlips on shafts
- for diameter 10 to 100mm
- with inserted tips
- 30% higher endurance in comparison to convenient lock rings pliers



	L	Ø	D	C	Weight	Price
621195	140	3 - 10	128	0.9	28	134 B 14,17
621196	140	10 - 25	128	1.3	28	124 B 14,17
621197	180	19 - 60	166	1.8	38	204 B 15,05
621198	220	40 - 100	201	2.3	48	274 B 17,91

534PLUS/4DP**External lock rings pliers, bent**

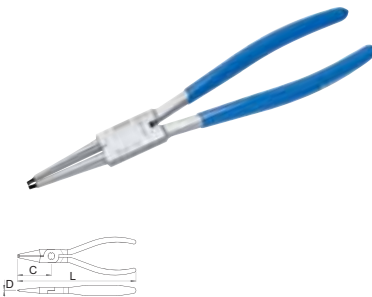
- material: special tool steel
- drop forged, entirely hardened and tempered
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- tips black finish
- made according to standard DIN 5254 form B
- double plastic dipped handles
- for fitting circlips on shafts
- for diameter 10 to 100mm
- with inserted tips
- 30% higher endurance in comparison to convenient lock rings pliers



	L	Ø	D	C	Weight	Price
621199	140	3 - 10	128	0.9	28	134 B 13,50
621200	140	10 - 25	128	1.3	28	124 B 13,50
621201	180	19 - 60	166	1.8	38	204 B 14,44
621202	220	40 - 100	201	2.3	48	274 B 17,25

536/1P**Internal lock rings pliers, straight**

- material: special tool steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated to standard EN12540
- tips black finish
- made according to standard DIN 5256 form C
- handles plastic dipped



	L	Ø	D	C	Weight	Price
616740	300	85 - 140	3.2	86	491	B 20,95

536PLUS/1DP**Internal lock rings pliers, straight**

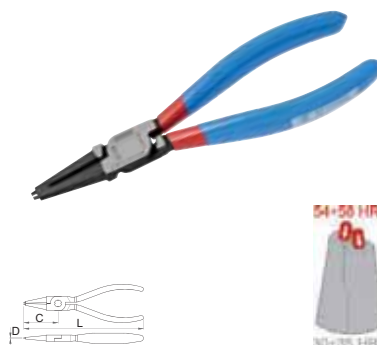
- material: special tool steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated to standard EN12540
- tips black finish
- double plastic dipped handles
- made according to standard DIN 5256 form C
- for fitting circlips on bore holes
- for diameter 8 to 100mm
- with inserted tips
- 30% higher endurance in comparison to convenient lock rings pliers



	L	Ø	D	C	Weight	Price
621203	140	8 - 13	0.9	40	111	B 12,93
621204	140	12 - 25	1.3	40	115	B 12,93
621205	180	19 - 60	1.8	52	192	B 13,30
621206	220	40 - 100	2.2	63	251	B 16,23

536PLUS/4DP**Internal lock rings pliers, straight**

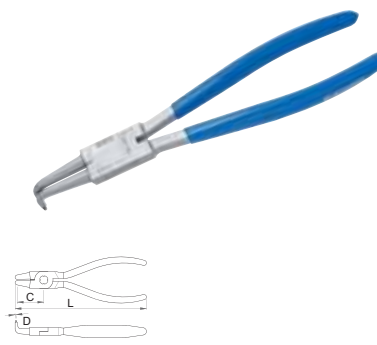
- material: special tool steel
- drop forged, entirely hardened and tempered
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- tips black finish
- made according to standard DIN 5256 form C
- double plastic dipped handles
- for fitting circlips on bore holes
- for diameter 8 to 100mm
- with inserted tips
- 30% higher endurance in comparison to convenient lock rings pliers



	L	Ø	D	C	Weight	Price
621207	140	8 - 13	0.9	40	111	B 12,37
621208	140	12 - 25	1.3	40	115	B 12,37
621209	180	19 - 60	1.8	52	192	B 12,81
621210	220	40 - 100	2.2	63	251	B 15,50

538/1P**Internal lock rings pliers, bent**

- material: special tool steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated to standard EN12540
- tips black finish
- made according to standard DIN 5256 form D
- handles plastic dipped



	L	Ø	D	C	Weight	Price
616743	300	85 - 140	280	3.2	68	501 B 21,16

3 Lock rings pliers

538PLUS/1DP

Internal lock rings pliers, bent

- material: special tool steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated to standard EN12540
- tips black finish
- double plastic dipped handles
- made according to standard DIN 5256 form D
- for fitting circlips on bore holes
- for diameter 8 to 100mm
- with inserted tips
- 30% higher endurance in comparison to convenient lock rings pliers

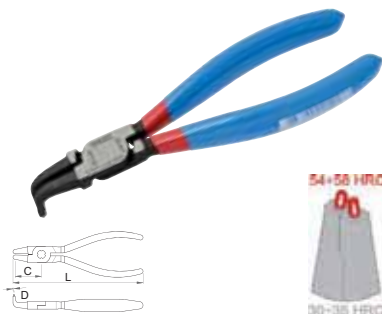


621211	140	8-13	128	0.9	28	114	B						13,47
621212	140	12-25	128	1.3	28	114	B						13,47
621213	180	19-60	166	1.8	38	194	B						15,00
621214	220	40-100	202	2.3	48	244	B						16,46

538PLUS/4DP

Internal lock rings pliers, bent

- material: special tool steel
- drop forged, entirely hardened and tempered
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- tips black finish
- made according to standard DIN 5256 form D
- double plastic dipped handles
- for fitting circlips on bore holes
- for diameter 8 to 100mm
- with inserted tips
- 30% higher endurance in comparison to convenient lock rings pliers



621215	140	8-13	128	0.9	28	114	B						12,99
621216	140	12-25	128	1.3	28	114	B						12,99
621217	180	19-60	166	1.8	38	194	B						14,39
621218	220	40-100	202	2.3	48	244	B						15,81

539/1PCT

Lock rings pliers set in bag



616736	539/1PCT	4	2175										94,82

539PLUS/1DPCT

Set of lock rings pliers PLUS in bag



621623	539PLUS/1DPCT	3-10-140/4	560										61,37
621624	539PLUS/1DPCT	10-25-140/4	561										61,37
621625	539PLUS/1DPCT	19-60-180/4	915										65,54
621626	539PLUS/1DPCT	40-100-220/4	1160										75,87

539PLUS/4DPCT

Set of lock rings pliers PLUS in bag



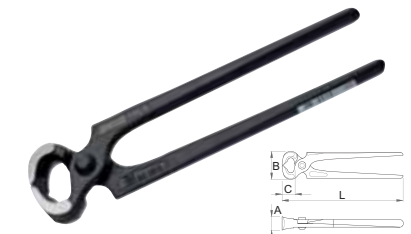
621627	539PLUS/4DPCT	3-10-140/4	562										59,09

621628	539PLUS/4DPCT	10-25-140/4	575										59,09
621629	539PLUS/4DPCT	19-60-180/4	910										63,29
621630	539PLUS/4DPCT	40-100-220/4	1160										73,13

530/4

Carpenters' pincers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- made according to standard ISO 9243



601341	160	46	22	16	242	B							7,78
601342	180	50	23	21	309	B							8,30
601343	200	54	25	24	427	B							8,71
607860	225	54	25	24	419	B							10,16
601344	250	58	26	27	557	B							12,71

530/4P

Carpenters' pincers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- handles plastic dipped
- made according to standard ISO 9243



608722	160	46	22	16	242	B							8,51
608723	180	50	23	21	309	B							9,08
608724	200	54	25	24	427	B							9,60

	L	B	A	C			
608725	225	54	25	24	419	B	11,55
608726	250	58	26	27	557	B	14,00

530/4PR**Carpenters' pincers**

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- handles plastic dipped
- made according to standard ISO 9243



	L	B	A	C			
601336	160	46	22	16	242	B	8,94
601337	180	50	23	21	309	B	9,55
601338	200	54	25	24	427	B	10,08
605155	225	54	25	24	419	B	12,11
601339	250	58	26	27	557	B	14,71

531/4**Tower pincers**

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- made according to standard ISO 9242



	L	B	A	C			
601372	190	26	22	15	214	B	8,71
601373	224	30	23	17	333	B	10,61
601374	250	36	25	18	424	B	11,82
601375	280	36	25	18	455	B	13,59

**531/4P****Tower pincers**

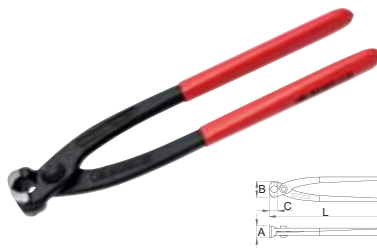
- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- handles plastic dipped
- made according to standard ISO 9242



	L	B	A	C			
608727	190	26	22	15	214	B	9,62
608728	224	30	23	17	333	B	11,22
608729	250	36	25	18	424	B	12,96
608730	280	36	25	18	455	B	14,94

531/4PR**Tower pincers**

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- handles plastic dipped
- made according to standard ISO 9242



	L	B	A	C			
601386	224	30	23	17	333	B	11,77
601387	250	36	25	18	424	B	13,61
601388	280	36	25	18	455	B	15,70

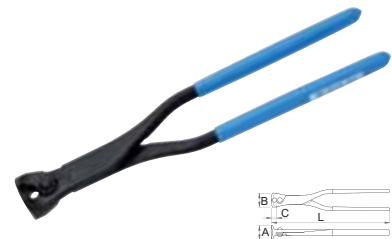
**531/4PST****Set of tower pincers on carton display**

	Nº						
615187	531/4PST	6	2435	F			72,41

531/4P (224)

529/4P**Heavy duty tower pincers**

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- handles plastic dipped



	L	B	A	C			
607494	280	33	33	19	476	B	38,73

529/4PR**Heavy duty tower pincers**

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- handles plastic dipped

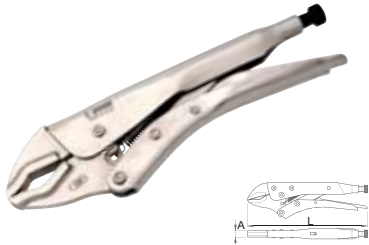


	L	B	A	C			
609563	280	33	33	19	466	B	42,09

429/3

Universal lock - grip pliers

- jaws drop forged from special tool steel, entirely hardened and tempered
- handles made from sheet metal
- surface finish: nickel plated
- screw phosphated
- symmetric jaws



	L	A	mm	mm	mm	mm	mm
613101	175	10	30	362	E		16,46
605206	250	12	35	596	E		18,31
613102	300	14	40	1010	E		28,37



434/3B

Wheel and rack grip pliers

- jaws drop forged from special tool steel, entirely hardened and tempered
- handles made from sheet metal
- surface finish: nickel plated
- screw chrome plated

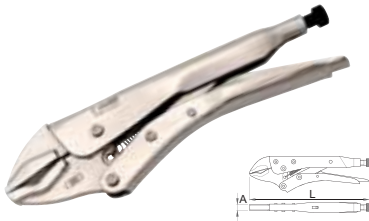


	L	A	mm	mm	mm	mm	mm
616722	220	16	50	544	E		27,54

430/3

Grip pliers

- jaws drop forged from special tool steel, entirely hardened and tempered
- handles made from sheet metal
- surface finish: nickel plated
- screw phosphated



	L	A	mm	mm	mm	mm	mm
601551	175	10	30	365	E		16,48
601552	250	12	35	596	E		18,49
601553	300	14	40	1023	E		28,65

434/3A

Wheel and rack grip pliers

- jaws drop forged from special tool steel, entirely hardened and tempered
- handles made from sheet metal
- surface finish: nickel plated
- screw chrome plated

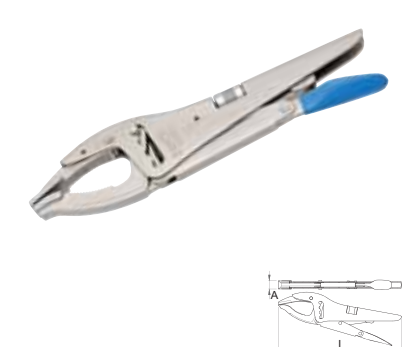


	L	A	mm	mm	mm	mm	mm
616721	270	16	120	695	E		30,91

434/3C

Wheel and rack grip pliers

- jaws drop forged from special tool steel, entirely hardened and tempered
- handles made from sheet metal
- surface finish: nickel plated
- screw chrome plated

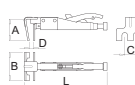


	L	A	mm	mm	mm	mm	mm
616723	250	16	80	615	E		28,43



**433/4A****Welders' grip pliers**

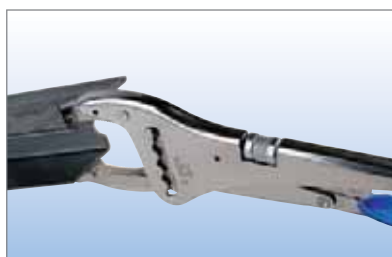
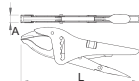
- material: jaws - chrome vanadium, handles from sheet metal
- parallel clamping is achieved by straight line motion of the flexible jaw
- one handed operation
- small sizes and parallel clamping action for easy access into difficult and confined areas
- wide flat jaws, for spot welding








612887	L	D	C	A	B	Weight	Price
200	12	30	50	70	563	E	38,42

434/3D**Wheel and rack grip pliers**

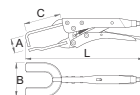
- jaws drop forged from special tool steel, entirely hardened and tempered
- handles made from sheet metal
- surface finish: nickel plated
- screw chrome plated



	L	A				
616724	250	16	100	639	E	30,29

432/3A**Welders' lock - grip pliers**

- jaws drop forged from special tool steel, entirely hardened and tempered
- handles made from sheet metal
- surface finish: nickel plated
- screw phosphated
- for angle tubes



601142	L	A	B	C	D	Weight	Price
280	30	76	75	45	851	E	23,81

**432/3C****Welders' lock - grip pliers**

- jaws drop forged from special tool steel, entirely hardened and tempered
- handles made from sheet metal
- surface finish: nickel plated
- screw phosphated
- for sheet metal and profiles



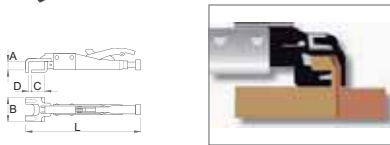
601144	L	A	B	C	D	Weight	Price
280	82	10	55	50	717	E	24,59



433/4B

Welders' grip pliers

- material: jaws - chrome vanadium, handles from sheet metal
- parallel clamping is achieved by straight line motion of the flexible jaw
- one handed operation
- small sizes and parallel clamping action for easy access into difficult and confined areas
- wide curved jaws, for spot welding, and assembling angular shapes, curved under 90°



	L	D	T	C	A	B	Weight	Price
612888	220	7	20	15	45	519	E	34,39

433/4D

Welders' grip pliers

- material: jaws - chrome vanadium, handles from sheet metal
- parallel clamping is achieved by straight line motion of the flexible jaw
- one handed operation
- small sizes and parallel clamping action for easy access into difficult and confined areas
- flat jaws, for spot welding and for assembling flat sheet material



	L	D	T	B	A	Weight	Price
612890	200	19	25	15	461	E	31,21

433/4C

Welders' grip pliers

- material: jaws - chrome vanadium, handles from sheet metal
- parallel clamping is achieved by straight line motion of the flexible jaw
- one handed operation
- small sizes and parallel clamping action for easy access into difficult and confined areas
- wide curved jaws, for spot welding, and assembling angular shapes, curved under 90°

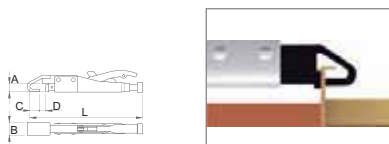


	L	D	T	C	A	B	Weight	Price
612889	230	10	12	25	45	565	E	39,96

433/4E

Welders' grip pliers

- material: jaws - chrome vanadium, handles from sheet metal
- parallel clamping is achieved by straight line motion of the flexible jaw
- one handed operation
- small sizes and parallel clamping action for easy access into difficult and confined areas
- wide curved jaws, for spot welding and assembling angular shapes, curved under 90°

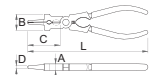








	L	D	T	B	C	A	Weight	Price
612891	210	14	25	14	15	487	E	30,98

436/4P

Universal welding pliers

- The universal welding pliers are intended for the maintenance of welding guns for arc welding with protective gas (MAG / MIG welding).
- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- spring for reopening
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- handles plastic dipped
- dirty nozzle
- spatter removal from in and outside the nozzle
- spatter removal from the nozzle end
- clean nozzle
- nozzle removal and installation
- tip removal and installation
- wire cutting
- wire cutting out
- installation bushing removal and installation
- hammering



	L	B	D	A	C			
616493	180	25	3	10	59	212		27,82
616494	210	34	3.5	11	80	306		29,13

515/1BI

Revolving punch pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty double - component handles
- Use: for punching every kind of paper, cards, tickets, plastic material or combination of these up to 1,5mm of thickness



	L	D			
611975	160	3	181	B	25,93
613083	160	4	181	B	25,93

515.1

Spare punch for 515/1BI



	D			
613084	3	7	E	5,12
611976	4	7	E	4,65

558/5P

Revolving punch pliers with 6 punches

- handles made of sheet metal
- punches from special tool steel, entirely hardened and tempered, sharpened
- surface finish: zinc plated
- handles plastic dipped
- dimensions of punches: 2, 2.5, 3, 3.5, 4, 5



	L			
601557	210	287	B	15,55

527/4P

Tile pincers

- material: special tool steel
- drop forged, entirely hardened and tempered
- with wire cutter: possibility of cutting soft wires max 3mm
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- handles plastic dipped

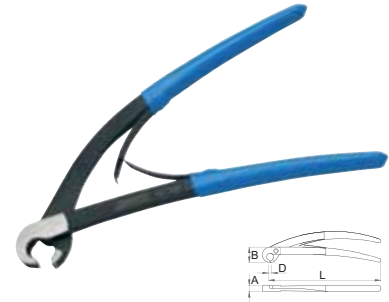


	L	B	A	D			
610148	200	42.7	19	3	395	B	13,38

528/4BP

Tile pincers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head surface finish: finely ground
- surface finish: phosphated to standard DIN 12476
- model with spring
- handles plastic dipped



	L	B	A	D			
612988	200	40	8.4	11	240	B	8,86



Insulated tools

A special procedure for the manufacture of insulated tools



- 1. Cold forging of the socket:** this uses a two-phase technological process that includes annealing, phosphating, and contracting.
- 2. Cnc working of the socket:** a special CNC turning machine is used to work the socket into the required size, which is in accordance with the ISO standard.
- 3. Sanding:** cleaning the surface before chroming is important for the sake of quality and durable surface protection.
- 4. Chroming:** the sockets are plated with a thin, hard coating of chromium oxide that protects against corrosion and wear and other mechanical damage. At the same time it gives the entire Unior socket a glossy appearance.

PLASTIC COATING PROCESS

- 5. Double plastic coating:** The process of coating of tools in multiple layers of plastic appropriate for work under high voltage conditions is a series of operations with precisely defined parameters of implementation that must not deviate from the requirements. This is the only way to obtain a quality and, most importantly, safe product. Before plastic coating, the piece - the metal part of the tool - has to be prepared for the process. It is degreased in a container of acetone and then dried. In order for the material and the metal part of the tool to adhere together effectively in the required places, the metal part of the tool is submerged in a special liquid that activates its adhesive property. This is followed by mounting the piece on special holders. The process of heating starts in a special chamber furnace and it is then immediately submerged in an orange material. It has to be removed from this material, which is heated to the right temperature, with the optimum speed so that the material drips off. Before the second plastic coating, the pieces are gelatinized in a furnace at the prescribed temperature. This is followed by a second plastic coating with a red material, the process of gelatinizing is repeated and the final plastic coating, once again of the red material, gives the piece the final thickness of a two- or three-layered coating. For the appropriate gloss and a professional appearance, the pieces are stabilized in a furnace at the prescribed temperature.



ORANGE AS A WARNING SIGN:

The double plastic protection of the VDE tools ensures double safety, because it enables the recognition of worn out tools in due time. When the tool gets worn out, an orange colour appears (the second protection layer), which is a sign that the tool should be replaced immediately.



Safe tool



Worn out tool – immediate replacement





Ultimate protection

Unior insulated VDE tools ensure ultimate protection even when used around live circuits with up to a 1000-volt potential. The utility of all tools is thoroughly verified by means of the impact strength, electrical, flame-retardancy, insulation adhesion and stamp tests, with each tool being tested individually.



High-quality steel

Insulated wrenches, pliers, shears, screwdrivers and other tools for working with electrical and other power installations are made of high-quality tool steel with added protection, and designed for simple and safe use.



VDE regulations

VDE insulated and tested according to the VDE regulations, Unior tools for work in electrically live environments meet the requirements of the internationally acknowledged European EN 60900 standard.



Open end wrenches

136



Ring wrenches

136 - 137



Socket wrenches

137



Inbus wrenches

137 - 138



Sockets 3/8"

138 - 139



Socket 1/2"

139 - 141



Torque wrenches

141



Combination pliers

141 - 143



Waterpump pliers

143



Diagonal and end cutters

144 - 145



Flat and round pliers

146 - 149



Strippers

149



Cable shears

149 - 150



Flat screwdrivers

150



Crosstip screwdrivers

150 - 151



Inbus screwdrivers

151



Screwdrivers with TX profile

151



Socket screwdrivers

151



Voltage tester, cutters, saw, tweezers

151 - 153



Sets in bag

153 - 155



Sets in SOS

155 - 157



Features of Unior's pliers

VDE BI line

- material: special composition steel suitable for hardening and tempering
- forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated
- heavy duty double component handles
- jet stamp Unior



VDE DP line

- material: special composition steel suitable for hardening and tempering
- forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated
- double layered insulation VDE tools, double safety
- establish wear of your VDE DP tools, just in time



VDE line

- material: special composition steel suitable for hardening and tempering
- forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated
- heavy duty plastic handles



Features of Unior's wrenches

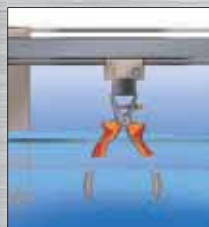
Wrenches

- material: chrom vanadium



Flame retardancy test

The flame is applied to the test piece for 10 seconds. The test piece is acceptable if the height of the flame on the burning handle does not exceed 120 mm in an observation period of 20 seconds after the burner has been removed.



Electrical test (10kV)

Before testing the tools are immersed in a bath of water at 23° C for 24 hours +/- 5 hours. The test pieces are acceptable if there is no electrical discharge, spark over or flashover, and if the current leakage is less than 1mA for 20 mm insulation.



Insulation test

Before testing the test piece is heated to 70 C +/- 2° C for 168 hours. The hanger is loaded with weights (500 N). The duration of test is 3 minutes. The test piece is acceptable if the handle remains firmly attached to the conducting part.



Stamp test

The indenter is loaded with a weight of 20 N and is applied to the centre of the handle. The test is successful if the test piece subsequently passes the electrical test.



Impact test

The test is carried out at a temperature of +/- 23°C. The hammer is allowed to fall freely on the test piece 3 times. The test piece is acceptable if the handle is not cracked, broken or does not show signs of flaking.



Hand tools for live working up to 1000 V A.C.



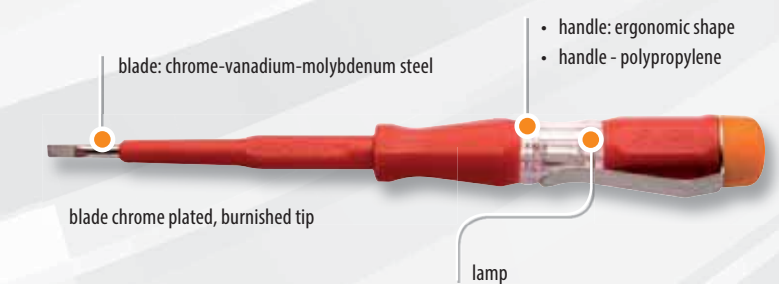
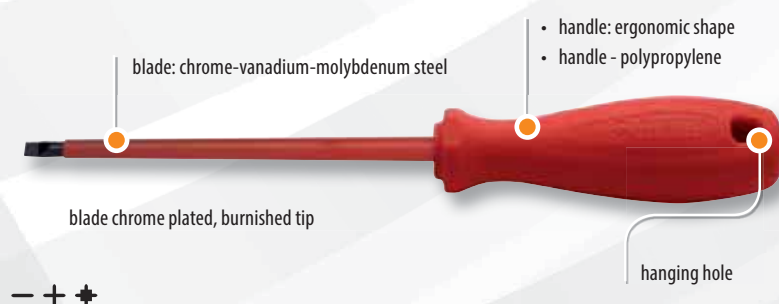
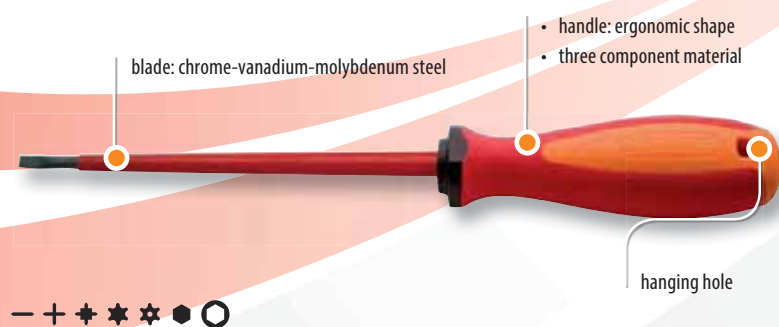
Sign of the institution certifying the tools (VERBAND DEUTSCHER ELEKTROTECHNIKER).



A sign indicating that the tools are in accordance with the signed standard (DIN), which prescribes the basic demands for tools (dimension, hardness, mechanical testing etc.).



Features of Unior's screwdrivers

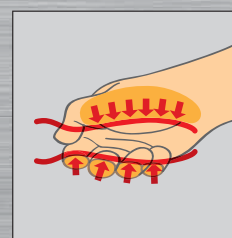
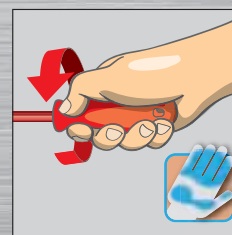


ERGONOMIC HANDLE!

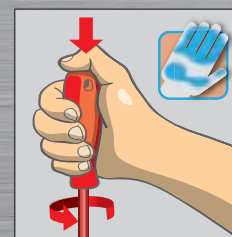
The combination of hard and soft surface improves the load factor and ensures smooth screwing. The handle was developed in such a way that it takes care of the user's health because it reduces the tension of the hand muscle.



Large hand contact area = more torque power



Ergonomic handle design = protecting your hand



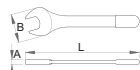
4 Open end wrenches

110/2VDEDP

Insulated single open end wrench

- material: chrome vanadium
- head: chrome plated according to EN12540
- double layered - double coloured insulation for additional safety
- if second layer is visible, replace your VDE tool with a new one.
- controlled with electrical test
- made according to standard EN60900

1000V
IEC 60900:2004



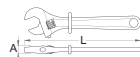
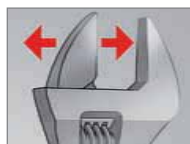
Barcode	Ø	L	B	A	Weight	Material	Price
618370	6	72	16	6.9	19	B	10,57
618331	7	82	16.1	6.9	26	B	10,81
617801	8	95	21	7	30	B	11,10
621575	9	100	24.5	7.5	35	B	11,50
612175	10	105	24.5	7.5	42	B	11,84
612176	11	112	26	7.5	51	B	11,84
612177	12	125	28	8	65	B	11,84
612178	13	132	30.5	8.5	76	B	13,06
612179	14	140	33	8.5	84	B	13,08
612180	15	150	35	9	96	B	13,08
621576	16	154	40	10	118	B	15,64
612181	17	157	40	10	137	B	15,64
621577	18	165	44	11	151	B	17,38
612182	19	170	44	11	170	B	17,38
618333	20	175	46.4	12.2	184	B	20,38
619201	21	180	48.8	12.5	213	B	20,38
612183	22	195	49	13	234	B	20,92
618335	23	210	52.8	13.1	251	B	21,14
612184	24	220	56	14	311	B	21,49
621578	26	235	59	15	361	B	21,90
617802	27	240	59	15	387	B	21,90
621579	28	245	66	15.8	440	B	22,99
618336	30	260	66.1	15.8	518	B	22,99
618337	32	275	71.4	17.6	620	B	25,79







250/1VDEDP

Insulated adjustable wrench

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- with scale
- controlled with electrical test
- double layered - double coloured insulation for additional safety
- if second layer is visible, replace your VDE tool with a new one.
- made according to standard EN60900

1000V
IEC 60900:2004



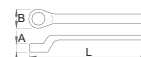
		L	A				
621917	150	165	35	23	182	E	26,33
616849	200	215	35	28	355	E	30,02
616850	250	265	35	32	579	E	37,01
616851	300	310	36	38	871	E	46,31
622065	380	390	35	50	1505	E	82,49

180/2VDEDP

Insulated single offset ring wrench

- material: chrome vanadium
- head: chrome plated according to EN12540
- double layered - double coloured insulation for additional safety
- if second layer is visible, replace your VDE tool with a new one.
- controlled with electrical test
- made according to standard EN60900

1000V
IEC 60900:2004








Barcode	Ø	L	B	A	Weight	Material	Price
621580	6	155	13.5	8.5	51	B	13,02
621581	7	155	15	9	57	B	13,02
621582	8	160	16.5	9.5	62	B	13,02
621583	9	160	17.5	10	72	B	13,02
612185	10	162	19.5	11	81	B	13,02
612186	11	175	20	11.5	97	B	13,49
612187	12	185	21.5	11.5	112	B	13,49
612188	13	185	23	12.5	113	B	16,52
612189	14	190	25.5	13	136	B	16,52
612190	15	195	27	13.5	146	B	16,52
621584	16	190	27.5	14.5	175	B	19,74
612191	17	208	30.5	15.5	185	B	19,74
621585	18	195	30	15.5	210	B	19,74
612192	19	227	33	15.5	233	B	19,74
621586	20	245	34.5	16.2	273	B	21,88
619202	21	244	36.4	13.2	307	B	21,88
612193	22	250	37.5	17.5	300	B	25,18
621587	23	250	39.8	16.8	333	B	27,06
612194	24	255	42	18.5	428	B	27,06
621588	26	265	44	18	450	B	30,20
621589	27	270	44.8	18	411	B	30,20
621590	28	280	36.5	18.5	488	B	33,20
621591	30	310	47	19	574	B	33,20
621592	32	325	51.5	19.5	647	B	33,20


110/2VDEDP

Set of insulated open end wrenches in carton box

1000V
IEC 60900:2004



	Nº				
612676	110/2VDEDP	10 - 24 / 10	1200	F	150,16

 110/2VDEDP (10, 11, 12, 13, 14, 15, 17, 19, 22, 24)



**180/2VDEDP**

Set of insulated single offset ring wrench in carton box



№						
612677	180/2VDEDP	10-24/10	1820			181,26

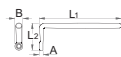
180/2VDEDP (10, 11, 12, 13, 14, 15, 17, 19, 22, 24)

180/2AVDEDP

Insulated single ring wrench, offset 90°



- material: chrome vanadium
- head: chrome plated according to EN12540
- double layered - double coloured insulation enable additional safety
- if second layer is visible, replace your VDE tool with a new one.
- controled with electrical test



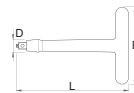
	L1	L2	B	A		
619123	10	220	78	18.2	10	61,23
619124	12	220	78	21.2	10	65,81
619125	13	220	78	23.3	11	66,40
619126	14	230	85	24.4	11.6	68,62
619127	17	255	100	29.3	13.8	72,46
619128	19	255	103	30.6	13	73,94
619129	20	267	107	33.3	16	79,15
619130	22	265	115	35.8	16	79,15
619131	24	265	115	38.8	16.9	84,17

196/2BVDEDP

Insulated T-handle



- material: chrome vanadium
- head: chrome plated according to EN12540
- double layered - double coloured insulation enable additional safety
- if second layer is visible, replace your VDE tool with the new one.
- entirely hardened and tempered
- controled with electrical test
- made according to standard EN60900



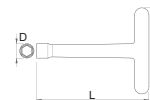
	L	D	B			
619116	3/8"	210	20	145	369	57,65
619117	1/2"	210	24	145	456	64,15

196/2LVDEDP

Insulated socket wrench with T-handle, long type



- material: chrome vanadium
- head: chrome plated according to EN12540
- double layered - double coloured insulation enable additional safety
- if second layer is visible, replace your VDE tool with the new one.
- entirely hardened and tempered
- controled with electrical test
- made according to standard EN60900



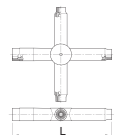
	L	B	D			
619143	10	300	160	20	439	54,52
619150	11	300	160	21	460	54,52
619151	12	300	160	24	495	54,52
619152	13	300	160	24	492	54,52
619153	14	300	160	27	422	57,40
619154	17	300	160	30	640	57,40
619155	19	300	160	32	757	59,06
619156	20	300	160	34	737	66,40
619157	21	300	160	34	772	73,02
619158	22	300	160	34	806	73,02
619159	23	300	160	45	780	73,02
619160	24	300	160	45	875	73,02

213/2VDEDP

Insulated four way rim wrench



- double layered - double coloured insulation for additional safety
- if second layer is visible, replace your VDE tool with a new one.
- head: chrome plated according to EN12540
- controled with electrical test
- made according to standard EN60900



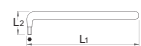
	L					
619093	10	11	14	17	207	99,21
619094	11	12	13	17	207	99,21
619095	10	13	14	17	207	99,21
619096	11	13	14	17	207	99,21
619097	13	17	19	22	207	99,21

220/3LVDEDP

Insulated hexagon wrench



- material: chrome vanadium
- double layered - double coloured insulation enable additional safety
- if second layer is visible, replace your VDE tool with the new one.
- controled with electrical test
- made according to standard EN60900
- entirely hardened and tempered



	L1	L2			
619136	3	130	26	20	7,83
619137	4	145	31	31	8,20
619138	5	165	36	53	8,37
619139	6	188	40	73	8,79
619140	8	206	49	135	9,79
619141	10	234	55	221	13,63
619142	12	262	58	346	15,36

4 Inbus wrenches

220TVDE

Insulated hexagon T wrench

- controlled with electrical test
- made according to standard EN60900

1000V
IEC 60900:2004



Barcode	Hex	L	B	Weight	Price
619132	4	200	69	98	20,53
619133	5	203	69	105	21,86
619134	6	207	98	126	23,50
619135	8	209	99	145	24,93

220TVDE4PB

Set of insulated hexagon T wrenches in plastic box

1000V
IEC 60900:2004



Barcode	Nº	Hand	Weight	Price
621648	220TVDE4PB	4 - 8 / 4	747	118,21

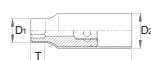
220TVDE (4, 5, 6, 8)

238/2VDEDP

Insulated socket 3/8"

- material: chrome vanadium
- head: chrome plated according to EN12540
- controlled with electrical test
- double layered - double coloured insulation for additional safety
- if second layer is visible, replace your VDE tool with a new one.
- made according to standard EN60900
- drop forged, entirely hardened and tempered

1000V
IEC 60900:2004



Barcode	Hex	D1	D2	L	T	Weight	Price
619161	10	18.7	23	46.5	10	26	11,49

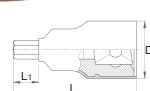
Barcode	Hex	D1	D2	L	T	Weight	Price
619162	11	20.7	23	46.5	10	40	11,49
619163	12	21.8	23	46.5	10	40	11,49
619164	13	23	23	46.5	10	43	11,49
619165	14	24.9	23	46.5	14	50	11,62
619166	17	28.6	23	49	15	70	11,95
619167	19	31.4	23	49	17	74	12,68
619168	22	35	23	51	17	104	13,56

236/2HXVDEDP

Insulated hexagonal screwdriver socket 3/8"

- material: socket: chrome vanadium, chrome plated
- material: bit: special tool steel, anticorrosive oiled
- double layered - double coloured insulation for additional safety
- if second layer is visible, replace your VDE tool with a new one.
- controlled with electrical test
- made according to standard EN60900
- entirely hardened and tempered

1000V
IEC 60900:2004



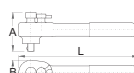
Barcode	Hex	L	L1	D	Weight	Price
619171	4	67	6	23.6	46	12,52
619172	5	67	7.4	24.4	49	12,52
619173	6	67	8.5	23.4	48	12,51
619174	8	67	9.4	24	54	12,88
619175	10	67	10.2	23.4	70	13,26

238.1AVDEDP

Insulated reversible ratchet 3/8"

- double layered - double coloured insulation for additional safety
- if second layer is visible, replace your VDE tool with a new one.
- with 36 teeth
- minimal angle of turn 10°
- Lever for changing the direction
- controlled with electrical test
- made according to standard EN60900

1000V
IEC 60900:2004



Barcode	Hex	L	B	A	Weight	Price
619118	3/8"	200	72	42	375	157,02

238.4/2VDEDP

Insulated extension bar 3/8"

- material: chrome vanadium
- head: chrome plated according to EN12540
- controlled with electrical test
- double layered - double coloured insulation for additional safety
- if second layer is visible, replace your VDE tool with a new one.
- drop forged, entirely hardened and tempered
- made according to standard EN60900

1000V
IEC 60900:2004



Barcode	Hex	L	D	Weight	Price
619169	3/8"	125	144	17	23,59
619170	3/8"	250	268	17	27,53

239VDEDP6P13

Insulated socket set 3/8" in metal box

- Dimension of box: 448 x 198 x 54

1000V
IEC 60900:2004



Barcode	Nº	Hand	Weight	Price
619419	239VDEDP6P13	13	3165	397,39

238.1AVDEDP (3/8"), 238.4/2VDEDP (3/8" x 125, 3/8" x 250), 196/2BVDEDP (3/8"), 238/2VDEDP (10, 11, 13, 14, 17, 19), 236/2HXVDEDP (4, 5, 6)



239VDEDP6P10

Insulated socket set 3/8" in plastic box

- Dimension of box: 244 x 207 x 59

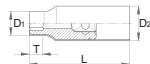


Barcode	Nº	Hand	Weight	Price
621647	239VDEDP6P10	10	1420	309,91
238/2VDEDP (10, 11, 12, 13, 14, 17, 19), 238.1AVDEDP (3/8"), 238.4/2VDEDP (3/8" x 125, 3/8" x 250)				

190/2VDEDP

Insulated socket 1/2"

- material: chrome vanadium
- head: chrome plated according to EN12540
- double layered - double coloured insulation for additional safety
- if second layer is visible, replace your VDE tool with a new one.
- controled with electrical test
- made according to standard EN60900
- drop forged, entirely hardened and tempered

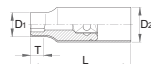


Barcode	Weight	D1	D2	L	T	Price
617803	8	18	27.4	54.6	12	12,76
621593	9	51.5	17.1	26.5	12	12,76
612195	10	18	26	51.5	12	11,84
612196	11	19.5	26.5	51.5	12	11,84
612197	12	20.5	26.5	51.5	12	12,36
612198	13	21.5	26.5	51.5	12	12,36
612199	14	22.5	26.5	51.5	12	12,36
621594	15	51.5	23.5	26.5	12	13,04
621595	16	51.5	26	25.2	12	13,04
612200	17	28	26	51.5	12	13,04
621596	18	51.5	28.5	26.5	12	13,04

190/2LVDEDP

Insulated socket 1/2", long type

- material: chrome vanadium
- head: chrome plated according to EN12540
- controled with electrical test
- double layered - double coloured insulation for additional safety
- if second layer is visible, replace your VDE tool with a new one.
- made according to standard EN60900
- drop forged, entirely hardened and tempered

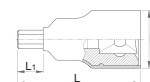


Barcode	Weight	L	D1	D2	T	Price
619104	10	96	20.7	27	116	15,72
619105	11	96	21.6	27	116	15,72
619106	12	96	22.6	27	123	15,72
619107	13	96	23.3	27	127	15,72
619108	14	96	25.8	27	134	15,72

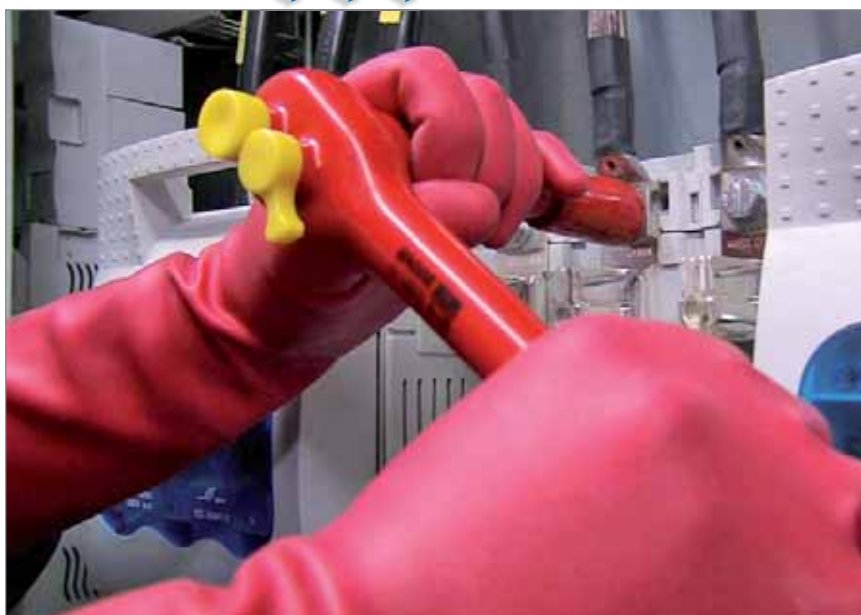
192/2HXVDEDP

Insulated hexagonal screwdriver socket 1/2"

- material: socket: chrome vanadium, chrome plated
- material: bit: special tool steel, anticorrosive oiled
- double layered - double coloured insulation for additional safety
- if second layer is visible, replace your VDE tool with a new one.
- controled with electrical test
- made according to standard EN60900
- entirely hardened and tempered



Barcode	Weight	L	L1	D	T	Price
615173	4	76	18	27	76	18,02
615174	5	76	18	27	73	18,02
615175	6	76	18	27	80	18,02
615176	8	76	18	27	96	18,02
615177	10	76	18	27	110	18,02

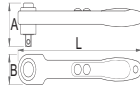


4 Socket 1/2"

190.1VDE

Insulated reversible ratchet 1/2"

- material: chrome vanadium
- with 36 teeth
- minimal angle of turn 10°
- button for changing the direction
- controlled with electrical test
- made according to standard EN60900

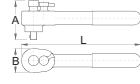


Barcode	Material	L	B	A	Weight	Price
612206	1/2"	275	46	66	553	98,34

190.1AVDEDP

Insulated reversible ratchet 1/2"

- material: chrome vanadium
- with 36 teeth
- minimal angle of turn 10°
- Lever for changing the direction
- controlled with electrical test
- made according to standard EN60900
- double layered - double coloured insulation for additional safety
- if second layer is visible, replace your VDE tool with a new one.



Barcode	Material	L	B	A	Weight	Price
619119	1/2"	245	50	80	667	161,61

190.4/2VDEDP

Insulated extension bar 1/2"

- material: chrome vanadium
- head: chrome plated according to EN12540
- double layered - double coloured insulation for additional safety
- if second layer is visible, replace your VDE tool with a new one.
- controlled with electrical test
- drop forged, entirely hardened and tempered
- made according to standard EN60900



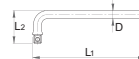
Barcode	Material	L	D	Weight	Price
612205	1/2"	125	27	209	19,46
612204	1/2"	250	28	380	22,78



190.5/2VDEDP

Insulated offset handle 1/2"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered
- made according to standard EN60900
- controlled with electrical test
- double layered - double coloured insulation for additional safety
- if second layer is visible, replace your VDE tool with a new one.



Barcode	L1	L2	Weight	Price
615178	250	72	408	23,67

190VDE6P11A

Insulated socket set 1/2" in metal box

- Dimension of box: 321 x 198 x 54



Barcode	Nº	Weight	Price
612678	190VDE6P11A 10 - 24 / 11	2620	259,30

190/2VDEDP (10, 11, 12, 13, 14, 17, 19, 22, 24), 190.1VDE (1/2"), 190.4/2VDEDP (1/2" x 125)

190VDE6P11

Insulated socket set 1/2" in metal box

- Dimension of box: 448 x 198 x 54



Barcode	Nº	Weight	Price
616704	190VDE6P11 11	2650	283,00

190/2VDEDP (13, 14, 17, 19), 192/2HXVDEDP (4, 5, 6, 8, 10), 190.1VDE (1/2"), 190.4/2VDEDP (1/2" x 125)



190VDEDP6P13B**Insulated socket set 1/2" in metal box**

- Dimension of box: 321 x 198 x 54

1000V
IEC 60900:2004



№	8-27/13	3096	G	372,52
619420	190VDEDP6P13B			

190/2VDEDP (8, 10, 11, 12, 13, 14, 17, 19, 22, 24, 27),
190.1AVDEDP (1/2"),
190.4/2VDEDP (1/2" x 125)

190VDE6P10**Insulated socket set 1/2" in plastic box**

- Dimension of box: 307 x 260 x 70

1000V
IEC 60900:2004



№	13-27/10	2400	F	258,83
621646	190VDE6P10			

190/2VDEDP (13, 14, 17, 19, 22, 24, 27),
190.1VDE (1/2"),
190.4/2VDEDP (1/2" x 125, 1/2" x 250),
981PBM2 (307 x 260 x 74)

264VDEDP**Insulated torque wrench 1/2"**

- double layered - double coloured insulation for additional safety
- if second layer is visible, replace your VDE tool with a new one.
- made according to standard EN60900

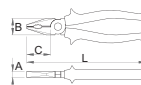
1000V
IEC 60900:2004



№	5-50	5-35	375	1109	E	671,31
619120						
№	20-100	20-70	470	1347	E	710,08
619121						
№	40-220	30-160	540	1521	E	741,22
619122						

406/1VDE**Combination pliers**

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty plastic handles
- made according to standard ISO 5746 and EN 60900



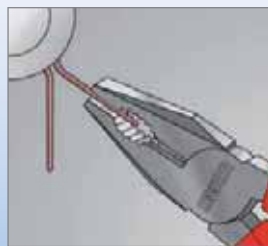
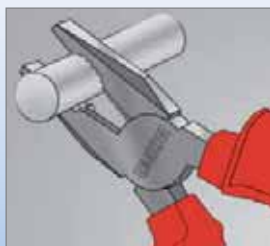
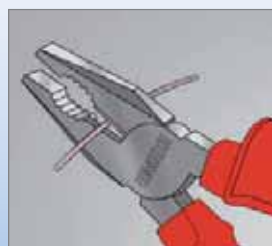
№	L	B	C	A	157	B	15,46
605007	140	23	32	8			
№	160	24	35	9.5	224	B	16,02
605008							
№	180	27	38	10	274	B	16,71
605009							
№	200	29	41	10.5	344	B	17,99
605010							
№	220	32	47	11	424	B	21,27
605011							

cutting capacity (10N=1kg)

№	L	max 1600 N/mm ² Ø	max 650 N/mm ² Ø
605007	140	1,6	2,0
605008	160	1,6	2,0
605009	180	1,8	2,5
605010	200	2,0	2,5
605011	220	2,0	3,0

FEATURES OF

406

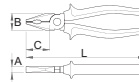


4 Combination pliers

406/1VDEBI

Combination pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty double - component handles
- made according to standard ISO 5746 and EN 60900



	L	B	C	A			
610421	160	24	35	9.5	224	B	16,84
610422	180	27	38	10	274	B	17,54
610423	200	29	41	10.5	344	B	18,89
610424	220	32	47	11	424	B	22,33

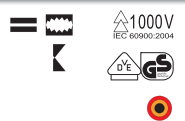
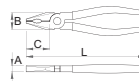
cutting capacity (10N=1kg)

	L	max 1600 N/mm ² TØ	max 650 N/mm ² TØ
610421	160	1,6	2,0
610422	180	1,8	2,5
610423	200	2,0	2,5
610424	220	2,0	3,0

406/1VDEDP

Combination pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- handles are insulated with double layered - double coloured insulation for additional safety
- if second layer is visible, replace your VDE tool with a new one.
- made according to standard ISO 5746 and EN 60900



	L	B	C	A			
619177	140	23	32	8	157	B	26,12
619178	160	24	35	9.5	219	B	25,65
619179	180	27	38	10	269	B	27,00
619180	200	29	41	10.5	321	B	28,11
619181	220	32	47	11	376	B	28,76

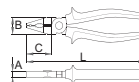
cutting capacity (10N=1kg)

	L	max 1600 N/mm ² TØ	max 650 N/mm ² TØ
619177	140	1,6	2,0
619178	160	1,6	2,0
619179	180	1,8	2,5
619180	200	2,0	2,5
619181	220	2,0	3,0

420/1VDE

Linemen's pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty plastic handles
- made according to standard EN 60900



	L	B	C	A			
607125	180	24	45	11	241	B	23,23

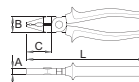
cutting capacity (10N=1kg)

	L	max 1600 N/mm ² TØ	max 650 N/mm ² TØ
607125	180	1,8	2,5

420/1VDEBI

Linemen's pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty double - component handles
- made according to standard EN 60900



	L	B	C	A			
610425	180	24	45	11	241	B	24,39

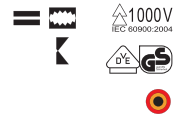
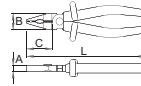
cutting capacity (10N=1kg)

	L	max 1600 N/mm ² TØ	max 650 N/mm ² TØ
610425	180	1,8	2,5

420/1VDEDP

Linemen's pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- handles are insulated with double layered - double coloured insulation for additional safety
- if second layer is visible, replace your VDE tool with a new one.
- made according to standard EN 60900

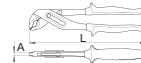


	L	B	C	A			
619176	180	24	45	11	221	B	28,47
cutting capacity (10N=1kg)							
	L						
619176	180		1,8				2,5

447/1VDEBI

Insulated waterpump box joint pliers

- material: chrome vanadium
- drop forged, entirely hardened and tempered
- working surfaces induction hardened
- a special bulge prevents fingers to be pressed between the handles of the pliers
- surface finish: chrome plated to standard EN12540
- jaw aperture adjustable in 7 positions
- heavy duty double - component handles
- made according to standard ISO 8976 and EN 60900

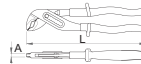


	L	A					
611993	240	6.5	35	367	B		24,93

447/1VDEDP

Waterpump box joint pliers

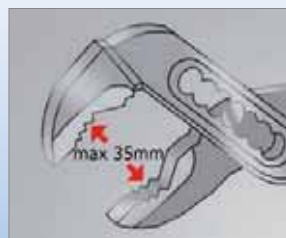
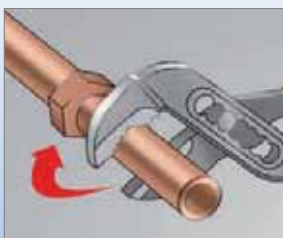
- material: chrome vanadium
- drop forged, entirely hardened and tempered
- working surfaces induction hardened
- a special bulge prevents fingers to be pressed between the handles of the pliers
- surface finish: chrome plated to standard EN12540
- jaw aperture adjustable in 7 positions
- handles are insulated with double layered - double coloured insulation for additional safety
- if second layer is visible, replace your VDE tool with a new one.
- made according to standard ISO 8976 and EN 60900



	L	A					
619199	240	6.5	35	382	B		35,02

FEATURES OF

447/1VDEBI, 447/1VDEDP



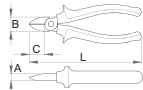
4 Diagonal and end cutters

461/1VDE

Diagonal cutting nippers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty plastic handles
- made according to standard ISO 5749 and EN 60900

1000V
IEC 60900:2004



Barcode	L	B	A	C	Weight	Price
605012	140	19	9.5	18	169	16,86
605013	160	22.5	10	22	214	17,47

cutting capacity (10N=1kg)

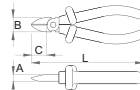
Barcode	L	max 1600 N/mm ² Ø	max 650 N/mm ² Ø
605012	140	1,6	2,0
605013	160	1,6	2,5

461/1VDEDP

Diagonal cutting nippers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- handles are insulated with double layered - double coloured insulation for additional safety
- if second layer is visible, replace your VDE tool with a new one.
- made according to standard ISO 5749 and EN 60900

1000V
IEC 60900:2004



Barcode	L	B	A	C	Weight	Price
619193	140	19	9.5	18	174	24,60
619194	160	22.5	10	22	224	25,89

cutting capacity (10N=1kg)

Barcode	L	max 1600 N/mm ² Ø	max 650 N/mm ² Ø
619193	140	1,6	2,0
619194	160	1,6	2,5

FEATURES OF

461/1VDE, 461/1VDEBI, 461/1VDEDP

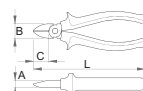


461/1VDEBI

Diagonal cutting nippers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty double - component handles
- made according to standard ISO 5749 and EN 60900

1000V
IEC 60900:2004



Barcode	L	B	A	C	Weight	Price
610426	140	19	9.5	18	169	17,69
610427	160	22.5	10	22	214	18,32

cutting capacity (10N=1kg)

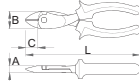
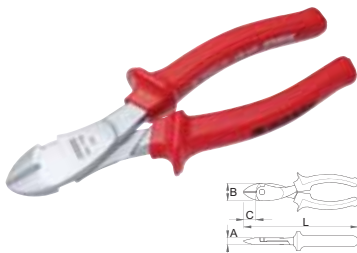
Barcode	L	max 1600 N/mm ² Ø	max 650 N/mm ² Ø
610426	140	1,6	2,0
610427	160	1,6	2,5



466/1VDE

Heavy duty diagonal cutting nippers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty plastic handles
- made according to standard ISO 5749 and EN 60900



Barcode	L	B	A	C	Weight	Price
605212	180	28	11	20	316	22,05

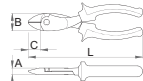
cutting capacity (10N=1kg)

Barcode	L	max 2150 N/mm ² TØ	max 650 N/mm ² TØ
605212	180	1,8	3,0

466/1VDEBI

Heavy duty diagonal cutting nippers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty double - component handles
- made according to standard ISO 5749 and EN 60900



Barcode	L	B	A	C	Weight	Price
610428	180	28	11	20	316	23,16
611756	200	27	11	21	344	26,28

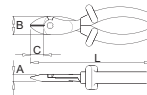
cutting capacity (10N=1kg)

Barcode	L	max 2150 N/mm ² TØ	max 650 N/mm ² TØ
610428	180	1,8	3,0
611756	200	2,0	3,5

466/1VDEDP

Heavy duty diagonal cutting nippers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- handles are insulated with double layered - double coloured insulation for additional safety
- if second layer is visible, replace your VDE tool with a new one.
- made according to standard ISO 5749 and EN 60900



Barcode	L	B	A	C	Weight	Price
619195	180	28	11	20	303	27,00
619196	200	27	11	21	351	30,16

cutting capacity (10N=1kg)

Barcode	L	max 2150 N/mm ² TØ	max 650 N/mm ² TØ
619195	180	1,8	3,0
619196	200	2,0	3,5



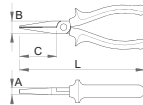
4 Flat and round pliers

472/1VDE

Long flat nose pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty plastic handles
- gripping surface serrated
- made according to standard ISO 5745 and EN 60900

1000V
IEC 60900:2004



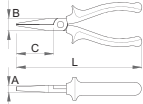
	L	B	C	A	D		
605015	160	16	49	9	146	B	15,16

472/1VDEBI

Long flat nose pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty double - component handles
- gripping surface serrated
- made according to standard ISO 5745 and EN 60900

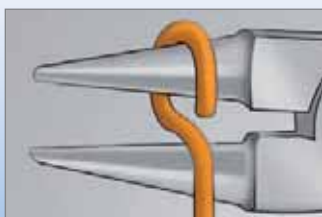
1000V
IEC 60900:2004



	L	B	C	A	D		
610430	160	16	49	9	146	B	15,90

FEATURES OF

476/1VDE, 476/1VDEBI, 476/1VDEDP

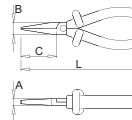


472/1VDEDP

Long flat nose pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- head polished
- surface finish: chrome plated to standard EN12540
- gripping surface serrated
- handles are insulated with double layered - double coloured insulation for additional safety
- if second layer is visible, replace your VDE tool with a new one.
- made according to standard ISO 5745 and EN 60900

1000V
IEC 60900:2004



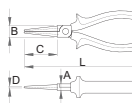
	L	B	C	A	D		
619182	140	15	39	8	114	B	23,73
619183	160	16	49	9	153	B	24,13

476/1VDE

Long round nose pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- minor possibility of damaging wires
- long points enable reaching of wires in hard-to-reach places
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty plastic handles
- made according to standard ISO 5745 and EN 60900

1000V
IEC 60900:2004



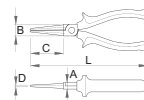
	L	B	A	C	D		
605016	140	15	9	39	2	116	B
605017	160	16	10	49	2.5	126	B

476/1VDEBI

Long round nose pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- minor possibility of damaging wires
- long points enable reaching of wires in hard-to-reach places
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty double - component handles
- made according to standard ISO 5745 and EN 60900

1000V
IEC 60900:2004



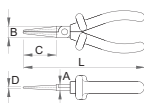
	L	B	A	C	D		
610431	140	15	9	39	2	116	B
610432	160	16	10	49	2.5	126	B

476/1VDEDP

Long round nose pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- minor possibility of damaging wires
- long points enable reaching of wires in hard-to-reach places
- head polished
- surface finish: chrome plated to standard EN12540
- handles are insulated with double layered - double coloured insulation for additional safety
- if second layer is visible, replace your VDE tool with a new one.
- made according to standard ISO 5745 and EN 60900

1000V
IEC 60900:2004

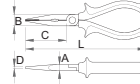


	L	B	A	C	D		
619184	140	15	9	39	2	114	B
619185	160	16	10	49	2.5	139	B

506/1VDE

Long nose pliers with side cutter

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty plastic handles
- gripping surface serrated
- made according to standard ISO 5745 and EN 60900
- also for clenching and separating of from cables and other sensitive objects



	L	B	D	A	C			
605019	140	15	2	8	39	115	B	15,16
605020	160	16	2.5	9	49	137	B	17,01

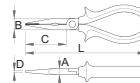
cutting capacity (10N=1kg)

	L	max 1600 N/mm ² Ø	max 650 N/mm ² Ø
605019	140	1,6	2,0
605020	160	1,6	2,0

506/1VDEBI

Long nose pliers with side cutter

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty double - component handles
- gripping surface serrated
- made according to standard ISO 5745 and EN 60900
- also for clenching and separating of from cables and other sensitive objects



	L	B	D	A	C			
610434	140	15	2	8	39	115	B	15,90
610435	160	16	2.5	9	49	137	B	17,88

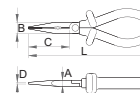
cutting capacity (10N=1kg)

	L	max 1600 N/mm ² Ø	max 650 N/mm ² Ø
610434	140	1,6	2,0
610435	160	1,6	2,0

506/1VDEDP

Long nose pliers with side cutter

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- handles are insulated with double layered - double coloured insulation, which enables additional safety
- if second layer is visible, replace your VDE tool with the new one.
- gripping surface serrated
- made according to standard ISO 5745 and EN 60900
- also for clenching and separating of from cables and other sensitive objects



	L	B	D	A	C			
619187	140	15	8	8	39	125	B	25,01
619188	160	16	2.5	9	49	157	B	25,53

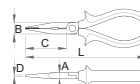
cutting capacity (10N=1kg)

	L	max 1600 N/mm ² Ø	max 650 N/mm ² Ø
619187	140	1,6	2,0
619188	160	1,6	2,0

508/1VDE

Long nose pliers with side cutter and pipe grip, straight

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty plastic handles
- gripping surface serrated
- made according to standard ISO 5745 and EN 60900
- also for clenching and separating of from cables and other sensitive objects



	L	B	D	A	C			
605021	170	17	2.5	9	61	156	B	20,01
605022	200	17	2.5	9	77	191	B	20,85

cutting capacity (10N=1kg)

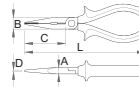
	L	max 1600 N/mm ² Ø	max 650 N/mm ² Ø
605021	170	1,6	2,0
605022	200	1,8	2,5

4 Flat and round pliers

508/1VDEBI

Long nose pliers with side cutter and pipe grip, straight

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty double - component handles
- gripping surface serrated
- made according to standard ISO 5745 and EN 60900
- also for clenching and separating of from cables and other sensitive objects



	L	B	D	A	C	Weight	Price
610436	170	17	2.5	9	61	156	21,02
610437	200	17	2.5	9	77	191	21,89

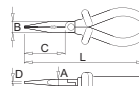
cutting capacity (10N=1kg)

	L	max 1600 N/mm ² T0	max 650 N/mm ² T0
610436	170	1,6	2,0
610437	200	1,8	2,5

508/1VDEDP

Long nose pliers with side cutter and pipe grip, straight

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- handles are insulated with double layered - double coloured insulation, which enables additional safety
- if second layer is visible, replace your VDE tool with the new one.
- gripping surface serrated
- made according to standard ISO 5745 and EN 60900
- also for clenching and separating of from cables and other sensitive objects



	L	B	D	A	C	Weight	Price
619189	170	17	2.5	9	61	162	26,71
619190	200	17	2.5	9	77	201	27,64

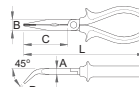
cutting capacity (10N=1kg)

	L	max 1600 N/mm ² T0	max 650 N/mm ² T0
619189	170	1,6	2,0
619190	200	1,8	2,5

512/1VDE

Long nose pliers with side cutter and pipe grip, bent

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty plastic handles
- gripping surface serrated
- jaws bent to an angle of 45°
- made according to standard EN 60900
- the long bent jaws enable simple and precise clenching of nuts and screws
- the strong jaws enable good grip



	L	B	D	A	C	Weight	Price
607123	170	17	2.5	9	61	152	21,85
607124	200	17	2.5	9	77	204	22,92

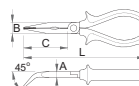
cutting capacity (10N=1kg)

	L	max 1600 N/mm ² T0	max 650 N/mm ² T0
607123	170	1,6	2,0
607124	200	1,8	2,5

512/1VDEBI

Long nose pliers with side cutter and pipe grip, bent

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty double - component handles
- gripping surface serrated
- jaws bent to an angle of 45°
- made according to standard EN 60900
- the long bent jaws enable simple and precise clenching of nuts and screws
- the strong jaws enable good grip



	L	B	D	A	C	Weight	Price
610438	170	17	2.5	9	61	152	22,94
610439	200	17	2.5	9	77	204	24,07

cutting capacity (10N=1kg)

	L	max 1600 N/mm ² T0	max 650 N/mm ² T0
610438	170	1,6	2,0
610439	200	1,8	2,5

512/1VDEDP

Long nose pliers with side cutter and pipe grip, bent

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- handles are insulated with double layered - double coloured insulation for additional safety
- if second layer is visible, replace your VDE tool with a new one.
- gripping surface serrated
- jaws bent to an angle of 45°
- made according to standard EN 60900
- the long bent jaws enable simple and precise clenching of nuts and screws
- the strong jaws enable good grip

1000V
IEC 60900:2004

FEATURES OF

512/1VDE, 512/1VDEBI, 512/1VDEDP



478/1VDEBI

Wire stripping pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty double - component handles
- stripping capacity: up to max 0.6 - 10mm²
- spring for reopening
- made according to standard EN 60900

1000V
IEC 60900:2004

610433	L	B	A	C	W	W	W
160	0.6 - 10	18	9	40	178	B	18,50

FEATURES OF

478/1VDE, 478/1VDEBI, 478/1VDEDP



478/1VDEDP

Wire stripping pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- stripping capacity: up to max 0.6 - 10mm²
- spring for reopening
- handles are insulated with double layered - double coloured insulation for additional safety
- if second layer is visible, replace your VDE tool with a new one.
- made according to standard EN 60900

1000V
IEC 60900:2004

619186	L	B	A	C	W	W	W
160	0.6 - 10	18	9	40	167	B	27,88

580/1VDE

Cable shears

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty plastic handles
- for cutting cables without steel wire
- made according to standard EN 60900

1000V
IEC 60900:2004

608502	L	A	W	W	W	W
170	18	10	339	B	33,26	
608851	L	A	W	W	W	W
230	22	17	444	B	37,92	

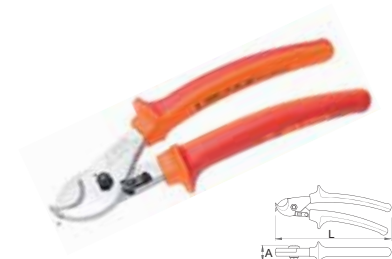
4 Cable shears

580/1VDEBI

Cable shears

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty double - component handles
- for cutting cables without steel wire
- made according to standard EN 60900

1000V
IEC 60900:2004



	L	A	Ø			
610440	170	18	10	339	B	34,91
610441	230	22	17	444	B	39,83

580/1VDEDP

Cable shears

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- handles are insulated with double layered - double coloured insulation for additional safety
- if second layer is visible, replace your VDE tool with a new one.
- for cutting cables without steel wire
- made according to standard EN 60900

1000V
IEC 60900:2004



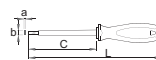
	L	A	Ø			
619197	170	18	10	226	B	42,22
619198	230	22	17	409	B	43,96

603VDETBI

Electrician's screwdriver with insulated blade, VDE TBI

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blackened tip
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard EN60900

1000V
IEC 60900:2004



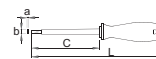
	a x b	C	L			
616436	0.4 x 2.5	75	160	33	B	3,64
616437	0.5 x 3.0	100	185	37	B	3,70
616438	0.6 x 3.5	100	185	39	B	4,15
616439	0.8 x 4.0	100	185	43	B	4,31
621247	1.0 x 4.5	125	225	75	B	5,47
616440	1.0 x 5.5	125	225	75	B	5,47
616441	1.2 x 6.5	150	260	113	B	6,58
616442	1.2 x 8.0	175	295	163	B	7,40
621248	1.6 x 10.0	200	320	115	B	9,92

603VDE

Electrician's screwdriver with insulated blade, VDE

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blackened tip
- handle: ergonomic shape
- handle: polypropylene
- hanging hole
- made according to standard EN60900

1000V
IEC 60900:2004



	a x b	C	L			
616470	0.4 x 2.5	75	160	33	B	2,52
616471	0.5 x 3.0	100	185	37	B	2,79
616472	0.6 x 3.5	100	185	39	B	2,92
616473	0.8 x 4.0	100	185	43	B	3,23
616474	1.0 x 5.5	125	225	75	B	4,20
616475	1.2 x 6.5	150	260	113	B	4,78
616476	1.2 x 8.0	175	295	163	B	5,32
616477	1.6 x 10.0	200	320	115	B	6,97

613VDETBI

Crosstip (PH) screwdriver with insulated blade, VDE TBI

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blackened tip
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard ISO 8764-1,2 and EN 60900

1000V
IEC 60900:2004



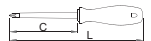
		C	L			
616443	PH0	60	145	34	B	3,64
616444	PH1	80	180	60	B	4,68
616445	PH2	100	210	94	B	5,73
616446	PH3	150	270	104	B	7,52
616447	PH4	200	320	230	B	9,30

613VDE

Crosstip (PH) screwdriver with insulated blade, VDE

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blackened tip
- handle: ergonomic shape
- handle: polypropylene
- hanging hole
- made according to standard ISO 8764-1,2 and EN 60900

1000V
IEC 60900:2004

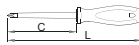


		C	L			
616478	PH0	60	145	34	B	2,68
616479	PH1	80	165	60	B	3,19
616480	PH2	100	200	94	B	4,38
616481	PH3	150	260	104	B	5,71



**623VDE TBI****Double-crosstip (PZ) screwdriver with insulated blade, VDE TBI**

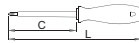
- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blackened tip
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard ISO 8764-1,2 and EN 60900



		C	L			
616460	PZ0	60	145	34	B	3,75
616461	PZ1	80	180	60	B	4,81
616462	PZ2	100	210	93	B	5,93
616463	PZ3	150	270	156	B	7,58

623VDE**Double-crosstip (PZ) screwdriver with insulated blade, VDE**

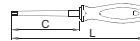
- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blackened tip
- handle: ergonomic shape
- handle: polypropylene
- hanging hole
- made according to standard ISO 8764-1,2 and EN 60900



		C	L			
616482	PZ0	60	145	34	B	2,92
616483	PZ1	80	165	60	B	3,46
616484	PZ2	100	200	93	B	4,69
616485	PZ3	150	260	156	B	5,96

620VDE TBI**Hexagon screwdriver with insulated blade VDE TBI**

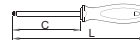
- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blackened tip
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard EN60900



		C	L			
616448	2.5	75	160	34	B	6,43
616449	3	75	175	37	B	7,13
616450	4	75	175	68	B	7,93
616451	5	75	185	93	B	9,53
616452	6	100	210	128	B	11,03
616453	8	100	210	203	B	15,11

621VDE TBI**Screwdriver with insulated blade VDE TBI with TX profile**

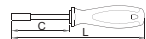
- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blacken tip
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard EN60900



		C	L			
616454	TX 10	60	140	35	B	4,62
616455	TX 15	80	180	37	B	5,08
616456	TX 20	80	180	43	B	5,35
616457	TX 25	80	180	63	B	6,53
616458	TX 27	100	210	76	B	7,19
616459	TX 30	100	210	98	B	8,51

629VDE TBI**Insulated socket wrench with VDE TBI handle**

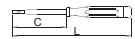
- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard EN60900



		C	L			
616464	5.5	125	225	103	B	14,20
616465	6	125	225	103	B	14,37
616466	7	125	235	123	B	15,28
621429	7/35	135	245	125	B	15,83
616467	8	125	235	140	B	15,54
616468	10	125	235	157	B	16,71
616469	13	125	245	186	B	21,90

630VDE**Voltage tester 220 - 250 V**

- dimension 140 with clip



	a x b	C	L			
617659	0.5 x 3.0	60	140	13	A	1,94
617660	0.6 x 3.5	90	180	24	A	2,62

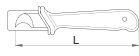


4 Voltage tester, cutters, saw, tweezers

385VDE

Insulated knife

- blade from high alloy steel
- plastic handle
- with blade guard

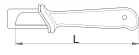


Barcode	L	Weight	Material	Price
615494	180	76	E	14,33

385AVDE

Insulated knife

- blade from high alloy steel
- plastic handle
- with blade guard

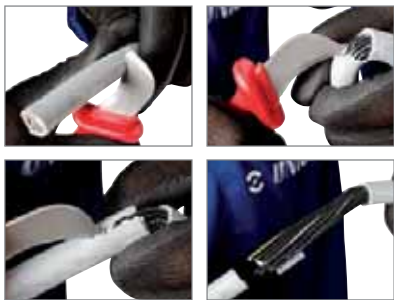


Barcode	L	Weight	Material	Price
619101	140	78	E	14,98

385BVDE

Insulated knife

- blade from high alloy steel
- plastic handle
- with blade guard
- blade with cable guard shoe

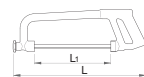


Barcode	L	Weight	Material	Price
619102	140	80	E	48,87

750VDEDP

Insulated saw

- double layered - double coloured insulation, for additional safety
- if second layer is visible, replace your VDE tool with a new one.
- made according to standard EN60900

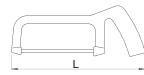


Barcode	L	L1	Weight	Material	Price
619098	460	270	815	E	90,93

753VDEDP

Insulated saw

- replaceable blade
- made according to standard EN60900

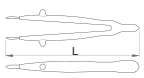


Barcode	L	Weight	Material	Price
615502	150	276	E	47,63

1340VDEDP

Straight tweezers

- material: stainless steel
- controled with electrical test
- made according to standard EN60900
- double layered - double coloured insulation enable additional safety
- if second layer is visible, replace your VDE tool with the new one.

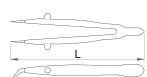


Barcode	L	Weight	Material	Price
616847	150	45	E	19,43

1341VDEDP

Bent tweezers

- material: stainless steel
- controled with electrical test
- made according to standard EN60900
- double layered - double coloured insulation enable additional safety
- if second layer is visible, replace your VDE tool with the new one.

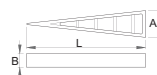


Barcode	L	Weight	Material	Price
616848	150	40	E	19,43

1350VDE

Wedge

- plastic material



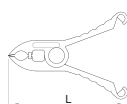
Barcode	L	B	A	Weight	Material	Price
619103	165	19	35	49	E	14,01



1351VDE

Plastic clamp

• plastic material

1000V
IEC 60900:2004

Barcode	L	Weight	Material	Price
619099	160	77	E	14,06









603CS6ATVT

Set of screwdrivers VDE TBI with voltage tester

1000V
IEC 60900:2004

- +



	Nº				
617654	603CS6ATVT	6	430	G	25,83
 603VDE TBI (0.5 x 3.0 x 100, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125), 					
613VDE TBI (PH1 x 80, PH2 x 100), 					
630VDE (0.5 x 3.0 x 140)					









603S50VDE TBI

Set of screwdrivers VDE TBI on display stand

1000V
IEC 60900:2004

- +

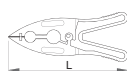


	Nº				
617046	603S50VDETBI	50	5620	F	327,47
 603VDETBI (0.4 x 2.5 x 75, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150, 1.2 x 8.0 x 175),  613VDETBI (PH0 x 60, PH1 x 80, PH2 x 100),  623VDETBI (PZ1 x 80, PZ2 x 100), 978VDE (330 x 205 x 240)					

1352VDE

Plastic clamp

• plastic material

1000V
IEC 60900:2004

Barcode	L	Weight	Material	Price
619100	140	54	E	6,62








603CS6VDE TBI

Set of screwdrivers VDE TBI

1000V
IEC 60900:2004

- +



	Nº				
617042	603CS6VDE TBI	6	530	G	30,41
 603VDE TBI (0.4 x 2.5 x 75, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150),  613VDE TBI (PH1 x 80, PH2 x 100)					








603CS6VDE

Set of screwdrivers VDE

1000V
IEC 60900:2004

- +



	Nº				
617044	603CS6VDE	6	485	G	22,31
 603VDE (0.4 x 2.5 x 75, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150),  613VDE (PH1 x 80, PH2 x 100)					









603CS6AVT

Set of screwdrivers VDE TBI

1000V
IEC 60900:2004

- +



	Nº				
617653	603CS6AVT	6	457		27,53
 603VDE TBI (0.4 x 2.5 x 75, 0.5 x 3.0 x 100, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125),  613VDE TBI (PH1 x 80, PH2 x 100)					









603CS6TVDE TBI

Set of screwdrivers VDE TBI with voltage tester

1000V
IEC 60900:2004

- +



	Nº				
617043	603CS6TVDE TBI	6	505	G	28,71
<div> 603VDE TBI (0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150), </div> <div>613VDE TBI (PH1 x 80, PH2 x 100), </div> <div>630VDE (0.5 x 3.0 x 140)</div>					










603CS6TVDE

Set of screwdrivers VDE with voltage tester

1000V
IEC 60900:2004

- +



	Nº				
617045	603CS6TVDE	6	460		21,73
<div> 603VDE (0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150),</div> <div> 613VDE (PH1 x 80, PH2 x 100),</div> <div> 630VDE (0.5 x 3.0 x 140)</div>					

4 Sets in bag

603CS6AVDE

Set of screwdrivers VDE

1000V
IEC 60900:2004



Barcode	Nº	Hand	Person	Truck	Weight
617655	603CS6AVDE	6	400	G	20,31
603VDE (0.4 x 2.5 x 75, 0.5 x 3.0 x 100, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125), 613VDE (PH1 x 80, PH2 x 100)					

620CS6VDE TBI

Set of insulated hexagon screwdrivers VDE TBI

1000V
IEC 60900:2004



Barcode	Nº	Hand	Person	Truck	Weight
617048	620CS6VDE TBI	2.5-8 / 6	580	G	57,17
620VDE TBI (2.5, 3, 4, 5, 6, 8)					

629CS6VDE TBI

Set of insulated socket wrenches with VDE TBI handle

1000V
IEC 60900:2004



Barcode	Nº	Hand	Person	Truck	Weight
617050	629CS6VDE TBI	5.5-13 / 6	865	G	98,00
629VDE TBI (5.5, 6, 7, 8, 10, 13)					

603CS6ATVD

Set of screwdrivers VDE with voltage tester

1000V
IEC 60900:2004



Barcode	Nº	Hand	Person	Truck	Weight
617656	603CS6ATVD	6	390	G	19,74
603VDE (0.5 x 3.0 x 100, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125), 613VDE (PH1 x 80, PH2 x 100), 630VDE (0.5 x 3.0 x 140)					

621CS6VDE TBI

Set of insulated screwdrivers VDE TBI with TX profile

1000V
IEC 60900:2004



Barcode	Nº	Hand	Person	Truck	Weight
617049	621CS6VDE TBI	TX10 - TX30 / 6	511	G	37,27
621VDE TBI (TX 10, TX 15, TX 20, TX 25, TX 27, TX 30)					

905VDE

Tool set VDE in bag



Barcode	Nº	Hand	Person	Truck	Weight
617570	905VDE	13	1883	T	122,93
406/1VDE (180), 461/1VDE (160), 478/1VDE (160), 472/1VDE (160), 556A (160), 753P (150), 710P (3), 603VDE (0.4 x 2.5 x 75, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125), 613VDE (PH1 x 80, PH2 x 100), 630VDE (0.5 x 3.0 x 140)					

603S50VDE

Set of screwdrivers VDE on display stand

1000V
IEC 60900:2004



Barcode	Nº	Hand	Person	Truck	Weight
617047	603S50VDE	50	5190	F	259,89
603VDE (0.4 x 2.5 x 75, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150, 1.2 x 8.0 x 175), 613VDE (PH0 x 60, PH1 x 80, PH2 x 100), 623VDE (PZ1 x 80, PZ2 x 100), 978VDE (330 x 205 x 240)					



905VDEBI

Tool set VDE BI in bag



Barcode	Nº	Hand	Person	Tray	Weight
617571	905VDEBI	13	1958	I	182,02
406/1VDEBI (180), 461/1VDEBI (160), 478/1VDEBI (160), 472/1VDEBI (160), 753VDEDP (150), 385VDE (180), 603VDEBTBI (0.4 x 2.5 x 75, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125), 613VDEBTBI (PH1 x 80, PH2 x 100), 710P (3), 630VDE (0.5 x 3.0 x 140)					

906VDE

Tool set VDE in bag



Barcode	Nº	Hand	Person	Tray	Weight
617572	906VDE	6	876	I	63,48
461/1VDE (160), 406/1VDE (180), 603VDE (0.4 x 2.5 x 75, 0.8 x 4.0 x 100), 613VDE (PH2 x 100), 630VDE (0.5 x 3.0 x 140)					

906VDEBI

Tool set VDE BI in bag



Barcode	Nº	Hand	Person	Tray	Weight
617573	906VDEBI	6	911	I	68,59
461/1VDEBI (160), 406/1VDEBI (180), 603VDEBTBI (0.4 x 2.5 x 75, 0.8 x 4.0 x 100), 613VDEBTBI (PH2 x 100), 630VDE (0.5 x 3.0 x 140)					

964VDE1

Set of insulated open end wrenches in SOS tool tray

1000V
IEC 60900:2004

Barcode	Nº	Hand	Person	Tray	Weight
621782	964VDE1	6 - 24 / 15	2500	F	244,79
110/2VDEDP (6, 7, 8, 10, 12, 13, 14, 15, 17, 19, 20, 21, 22, 23, 24), VL964VDE1 (374 x 364 x 30)					

VL964VDE1

SOS tool tray for 964VDE1

Barcode	B	L	H	Person	Tray	Weight
621781	374	364	30	112	V	12,07

964VDE2

Set of insulated offset ring wrenches in SOS tool tray

1000V
IEC 60900:2004

Barcode	Nº	Hand	Person	Tray	Weight
621784	964VDE2	10 - 24 / 11	2600	F	215,21
180/2VDEDP (10, 11, 12, 13, 14, 15, 17, 19, 21, 22, 24), VL964VDE2 (374 x 364 x 30)					

VL964VDE2

SOS tool tray for 964VDE2

Barcode	B	L	H	Person	Tray	Weight
621783	374	364	30	112	V	12,07



964VDE3

Set of insulated pliers in SOS tool tray

1000V
IEC 60900:2004

Barcode	Nº	Hand	Person	Tray	Weight
621786	964VDE3	12	3200	F	360,34
406/1VDEDP (180), 420/1VDEDP (180), 447/1VDEDP (240), 461/1VDEDP (160), 466/1VDEDP (180), 472/1VDEDP (160), 476/1VDEDP (160), 478/1VDEDP (160), 506/1VDEDP (160), 508/1VDEDP (170), 512/1VDEDP (170), 580/1VDEDP (170), VL964VDE3 (564 x 364 x 30)					

VL964VDE3

SOS tool tray for 964VDE3

Barcode	B	L	H	Person	Tray	Weight
621785	564	364	30	168	V	19,31



964VDE4

Set of insulated torque wrenches and T-wrenches in SOS tool tray



Barcode	Nº	Hand	Weight	Volume	Price
621788	964VDE4	5	5400	F	2263,73

196/2BVDEDP (3/8", 1/2"),
 264VDEDP (5-50, 20-100, 40-220),
 VL964VDE4 (566 x 364 x 30)

VL964VDE4

SOS tool tray for 964VDE4

Barcode	B	L	H	Weight	Price
621787	566	364	30	168	V 19,31

964VDE5A

Set of insulated accessories 1/2" in SOS tool tray



Barcode	Nº	Hand	Weight	Volume	Price
621794	964VDE5A	4	1800	F	233,80

190.1AVDEDP (1/2"),
 190.4/2VDEDP (1/2" x 250, 1/2" x 125),
 190.5/2VDEDP (250),
 VL964VDE5A (188 x 364 x 30)

VL964VDE5A

SOS tool tray for 964VDE5A

Barcode	B	L	H	Weight	Price
621793	188	364	30	56	V 6,28

964VDE6

Set of insulated hexagon T-wrenches in SOS tool tray



Barcode	Nº	Hand	Weight	Volume	Price
621796	964VDE6	4-8 / 4	645	F	97,09

220TVDE (4, 5, 6, 8),
 VL964VDE6 (188 x 364 x 30)

VL964VDE6

SOS tool tray for 964VDE6

Barcode	B	L	H	Weight	Price
621795	188	364	30	56	V 6,28

964VDE5

Set of insulated socket wrenches 1/2" in SOS tool tray



Barcode	Nº	Hand	Weight	Volume	Price
621790	964VDE5	8-32 / 18	2200	F	248,98

190/2VDEDP (8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32),
 VL964VDE5 (188 x 364 x 30)

VL964VDE5

SOS tool tray for 964VDE5

Barcode	B	L	H	Weight	Price
621789	188	364	30	56	V 6,28

964VDE5L

Set of long insulated socket wrenches 1/2" in SOS tool tray



Barcode	Nº	Hand	Weight	Volume	Price
621792	964VDE5L	10-24/14	2500	F	242,56

190/2LVDEDP (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24),
 VL964VDE5L (374 x 364 x 30)

VL964VDE5L

SOS tool tray for 964VDE5L

Barcode	B	L	H	Weight	Price
621791	374	364	30	112	V 12,07

964VDE7

Set of insulated hexagon wrenches SOS tool tray



Barcode	Nº	Hand	Weight	Volume	Price
621798	964VDE7	3-12/7	1000	F	78,25

220/3LVDEDP (3, 4, 5, 6, 8, 10, 12),
 VL964VDE7 (188 x 364 x 30)

VL964VDE7

SOS tool tray for 964VDE7

Barcode	B	L	H	Weight	Price
621797	188	364	30	56	V 6,28



964VDE8A

Set of insulated flat screwdriver VDETBI in SOS tool tray



Barcode	Nº	Hand	Person	Tray	Weight
621800	964VDE8A	11	1300	F	67,27

603VDETBI (0.4 x 2.5 x 75, 0.5 x 3.0 x 100, 0.6 x 3.5 x 100, 0.8 x 4.0 x 100, 1.0 x 4.5 x 125, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150, 1.2 x 8.0 x 175, 1.6 x 10.0 x 200), 630VDE (0.5 x 3.0 x 140, 0.6 x 3.5 x 180), VL964VDE8A (374 x 364 x 30)

VL964VDE8A

SOS tool tray for 964VDE8A

Barcode	B	L	H	Person	Tray	Weight
621799	374	364	30	112	V	12,07

964VDE8B

Set of insulated crosstip screwdriver VDETBI in SOS tool tray



Barcode	Nº	Hand	Person	Tray	Weight
621802	964VDE8B	8	900	F	49,92

613VDETBI (PH0 x 60, PH1 x 80, PH2 x 100, PH3 x 150), 623VDETBI (PZ0 x 60, PZ1 x 80, PZ2 x 100, PZ3 x 150), VL964VDE8B (188 x 364 x 30)

VL964VDE8B

SOS tool tray for 964VDE8B

Barcode	B	L	H	Person	Tray	Weight
621801	188	364	30	56	V	6,28

964VDE8C

Set of insulated hexagon screwdriver VDETBI in SOS tool tray



Barcode	Nº	Hand	Person	Tray	Weight
621804	964VDE8C	2.5 - 8 / 6	671	F	63,45

620VDETBI (2.5, 3, 4, 5, 6, 8), VL964VDE8C (188 x 364 x 30)

VL964VDE8C

SOS tool tray for 964VDE8C

Barcode	B	L	H	Person	Tray	Weight
621803	188	364	30	56	V	6,28

964VDE8D

Set of insulated screwdriver VDETBI with TX profile in SOS tool tray



Barcode	Nº	Hand	Person	Tray	Weight
621806	964VDE8D	TX 10 - TX 30 / 6	615	F	43,55

621VDETBI (TX 10, TX 15, TX 20, TX 25, TX 27, TX 30), VL964VDE8D (188 x 364 x 30)

VL964VDE8D

SOS tool tray for 964VDE8D

Barcode	B	L	H	Person	Tray	Weight
621805	188	364	30	56	V	6,28

964VDE8E

Set of insulated socket wrenches with VDETBI handle in SOS tool tray



Barcode	Nº	Hand	Person	Tray	Weight
621808	964VDE8E	5.5 - 13 / 6	934	F	104,28

629VDETBI (5.5, 6, 7, 8, 10, 13), VL964VDE8E (188 x 364 x 30)

VL964VDE8E

SOS tool tray for 964VDE8E

Barcode	B	L	H	Person	Tray	Weight
621807	188	364	30	56	V	6,28

964VDE9

Set of insulated tools in SOS tool tray



Barcode	Nº	Hand	Person	Tray	Weight
621810	964VDE9	10	2200	F	309,60

385VDE (180), 385AVDE (140), 385BVDE (140), 750VDEDP (460), 753VDEDP (150), 1340VDEDP (150), 1341VDEDP (150), 1350VDE (165), 1351VDE (160), 1352VDE (140), VL964VDE9 (564 x 364 x 30)

VL964VDE9

SOS tool tray for 964VDE9

Barcode	B	L	H	Person	Tray	Weight
621809	564	364	30	168	V	19,31



Shears

A special procedure for the manufacture of shears



JAW - LEFT RIGHT

1. **Cutting:** flat steel is cut into the right shape using a machine; the accuracy of the cutting ensures the minimum consumption of quality material.
2. **Forging:** forging parts are made using drop forging technology. Drop forging allows diverse ergonomic product shapes. The appropriate course of the fibres, already present in the rolled blanks, is maintained using the appropriate forging processes.
3. **Trimming:** removing superfluous materials.
4. **Machining:** by drilling/sinking, it is possible to achieve the required precision of positioning for each individual jaw.
5. **Heat treatment (quenching and tempering):** the heat treatment with hardening and tempering is intended to improve the structure of the steel, to provide greater hardness and toughness of the product and other properties required to overcome the strain that work with such products requires.
6. **Induction hardening:** local heating and tempering of the jaw serration ensures a high degree of hardness of the functional part of the snips. By hardening, we can achieve the optimum microstructure and the required hardness, which ensure a long service life for the snips.
7. **Grinding the jaw:** grinding is done using a special CNC machine, which is used to achieve the correct, optimum angles of the blades and thus the optimum cutting of the Unior snips.

HANDLE

8. **A tin cut,** which serves as a base, is made from quality tin that ensures the appropriate hardness and rigidity of the handle even under the highest strain.
9. **Bending the handle:** the desired shape of the handle is achieved by bending the handle using a special machine with a bending tool that ensures the appropriate link between the jaws and the handles.
10. **Nickel plating:** the nickel plating surface protection gives the product a professional appearance and provides resistance to corrosion.

ASSEMBLY

11. **Handle assembly:** the handles are bound together with a suitable, smooth flexible link by way of riveting.
12. **Jaws assembly:** the left and right jaws are bound together into a suitable, smooth flexible link with a screw.
13. **Jaw-handle assembly:** both jaws are linked to the handles with a firm link that gives the Unior snips the required function, which is reliable under even the greatest loads.
14. **Final assembly:** the trained, skilled and meticulous workers performing the final assembly put together the individual parts, examine the main characteristics and turn the Unior snips into a high quality product.





Secure cut

Designed for a secure and accurate cut through sheet steel, concrete reinforcement, wires, cables and PVC pipes, but comprising also pruning and grape shears for work in orchards and vineyards, the varied Unior shears line proves its advantages in a wide range of professional and home uses.



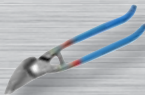

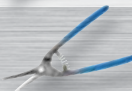







Superior quality steel

Made of superior quality carbon steel, Unior shears have drop forged jaws, induction hardened blades, and solidly insulated handles, and also feature an efficient surface protection.



Tempered blades

With perfectly tempered blades you can do that effortlessly and with great results!

	Tin snips Plus	175
	Tin snips - Universal	176
	Tin snips with spring	176 - 177
	Lever tin snips	177 - 178
	Nibbler, Tin snips straight and oblique	178
	Steel wire cutter, PVC pipe cutter, Cable shears	178 - 180
	Wire rope pliers and Threaded rod cutter	180 - 181
	Bolt cutters Plus	182
	Bolt cutters - standard	183 - 184
	Pruning shears	184 - 185





A special procedure for the manufacture of shears

JAW

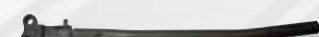
1. **Cutting:** flat steel is cut into the appropriate shape using a machine; the accuracy of the cutting ensures the minimum consumption of quality material.
2. **Forging:**
forging parts are made using drop forging technology. Drop forging allowed diverse ergonomic product shapes. The appropriate course of the fibres, already present in the rolled blanks, is maintained using the appropriate forging processes.
3. **Trimming:**
removing superfluous materials.
4. **Heat treatment (quenching and tempering):**
the heat treatment with hardening and tempering is intended to improve the structure of the steel, to provide greater hardness and toughness of the product and other properties required to overcome the strain that work with such products requires.

JOINT

5. **Forging part:**
the forging part is made by drop forging - cutting, forging, trimming and calibrating.
6. **Cnc working:**
the entire working of the jaw is done using CNC machines. Clamping devices on the machines provide the accuracy required for the quality operation of the cutters.
7. **Heat treatment (quenching and tempering):**
the heat treatment with hardening and tempering is intended to improve the structure of the steel, to provide greater hardness and toughness of the product and other properties required to overcome the strain that work with such products requires.

HANDLE-JOINT ASSEMBLY

8. **Mounting the handle onto the joint and pressing:**
the handle is firmly mounted onto the joint. The handle is then pressed onto the joint, which ensures that the mounted handle does not come loose under even the greatest strain.
9. **Bending the handle:**
the handle is bent to the required functional angle with a special bending device, which provides the user with ergonomic applicability.
10. **Coating:**
a protective colour is applied using powder coating technology, which gives the product a professional appearance and also serves as surface protection.
11. **Mounting the sleeve:**
a PVC sleeve is mounted on the handle, which gives the user good grip and helps during the use of the tool.
12. **Manufacturing screws and nuts:**
is done using CNC machines, which, besides quality material and heat treatment, ensures the optimum bonds between the individual elements of the cutter.
13. **Assembly:**
the trained, skilled and meticulous workers performing the final assembly put together the individual parts, examine the main characteristics and turn the Unior cutter into a high quality product.

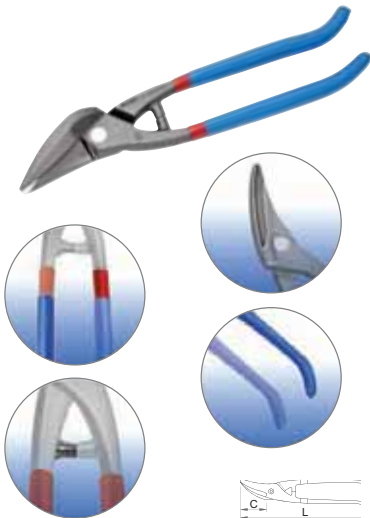


563R-PLUS/7DP**Universal tin snips**

- material: special tool steel
- drop forged
- model with inserted blade for cutting sanded steel
- blades induction hardened
- handles plastic dipped

Advantages:

- inserted blade hardness 64 HRC
- extremely stronger inserted blade
- faster and more comfortable use
- 10 times greater durability
- froader range of use
- longer working life
- ergonomically designed handles for faster and easier use
- Inserted blade for longer working life.
- for cutting sanded sheet metal by 400N/mm² thickness up to 1,5mm



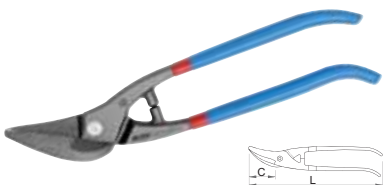
Barcode	L	C	Weight	Material	Price
615039	280	51	582	B	52,24

563L-PLUS/7DP**Universal tin snips**

- material: special tool steel
- drop forged
- model with inserted blade for cutting sanded steel
- handles plastic dipped
- blades induction hardened

Advantages:

- inserted blade hardness 64 HRC
- extremely stronger inserted blade
- faster and more comfortable use
- 10 times greater durability
- froader range of use
- longer working life
- ergonomically designed handles for faster and easier use
- Inserted blade for longer working life.
- for cutting sanded sheet metal by 400N/mm² thickness up to 1,5mm



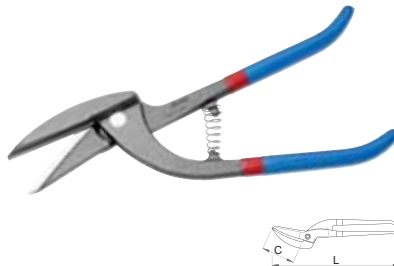
Barcode	L	C	Weight	Material	Price
615040	280	51	577	B	52,24

567R-PLUS/7DP**Tin snips pelican**

- material: special tool steel
- drop forged
- model with inserted blade for cutting sanded steel
- blades induction hardened
- handles plastic dipped
- spring for reopening

Advantages:

- inserted blade hardness 64 HRC
- extremely stronger inserted blade
- faster and more comfortable use
- 10 times greater durability
- froader range of use
- longer working life
- ergonomically designed handles for faster and easier use
- Inserted blade for longer working life.
- for cutting sanded sheet metal by 400N/mm² thickness up to 1,5mm



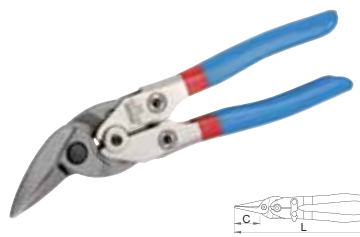
Barcode	L	C	Weight	Material	Price
615036	290	56	677	B	53,77

591R-PLUS/3DP**Lever tin snips "pelican" type**

- material: jaws drop forged from special tool steel
- handles from steel sheet
- spring for reopening
- model with inserted blade for cutting sanded steel
- blades induction hardened
- handles plastic dipped

Advantages:

- inserted blade hardness 64 HRC
- extremely stronger inserted blade
- faster and more comfortable use
- 10 times greater durability
- froader range of use
- longer working life
- ergonomically designed handles for faster and easier use
- Inserted blade for longer working life.
- for cutting sanded sheet metal by 400N/mm² thickness up to 1,2mm



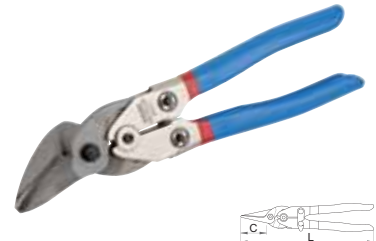
Barcode	L	C	Weight	Material	Price
615043	260	37	532	B	75,50

591L-PLUS/3DP**Lever tin snips "pelican" type**

- material: jaws drop forged from special tool steel
- handles from steel sheet
- spring for reopening
- model with inserted blade for cutting sanded steel
- blades induction hardened
- handles plastic dipped

Advantages:

- inserted blade hardness 64 HRC
- extremely stronger inserted blade
- faster and more comfortable use
- 10 times greater durability
- froader range of use
- longer working life
- ergonomically designed handles for faster and easier use
- Inserted blade for longer working life.
- for cutting sanded sheet metal by 400N/mm² thickness up to 1,2mm



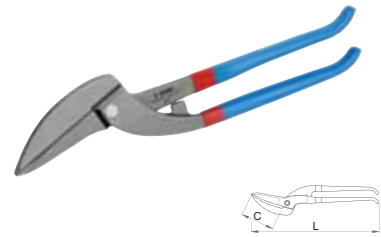
Barcode	L	C	Weight	Material	Price
615044	260	37	532	B	75,50

592R-PLUS/7DP**Tin snips "pelican" type**

- material: special tool steel
- drop forged
- model with inserted blade for cutting sanded steel
- blades induction hardened
- handles plastic dipped

Advantages:

- inserted blade hardness 64 HRC
- extremely stronger inserted blade
- faster and more comfortable use
- 10 times greater durability
- froader range of use
- longer working life
- ergonomically designed handles for faster and easier use
- Inserted blade for longer working life.
- for cutting sanded sheet metal by 400N/mm² thickness up to 1,5mm



Barcode	L	C	Weight	Material	Price
613196	350	90	880	E	84,03

**563R/7PR****Universal tin snips**

- material: special tool steel
- drop forged
- blade induction hardened
- drop forged, entirely hardened and tempered
- protection against corrosion
- handles plastic dipped
- for cutting sheet metal by 400N/mm² thickness up to 1,5mm



Barcode	L	C	Weight	Material	Price
615037	280	51	567	B	21,75

563L/7PR**Universal tin snips**

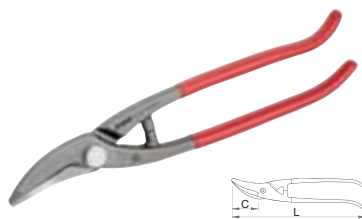
- material: special tool steel
- drop forged
- blade induction hardened
- drop forged, entirely hardened and tempered
- protection against corrosion
- handles plastic dipped
- for cutting sheet metal by 400N/mm² thickness up to 1,5mm



Barcode	L	C	Weight	Material	Price
615038	280	51	567	B	21,75

572R/7PR**Shape tin snips**

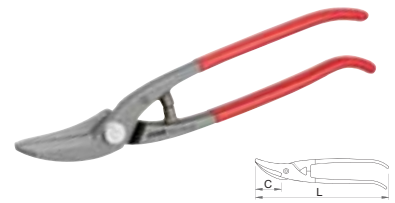
- material: special tool steel
- drop forged
- blade induction hardened
- drop forged, entirely hardened and tempered
- protection against corrosion
- handles plastic dipped
- for cutting sheet metal by 400N/mm² thickness up to 1,5mm



Barcode	L	C	Weight	Material	Price
615041	280	50	446	B	20,48

572L/7PR**Shape tin snips**

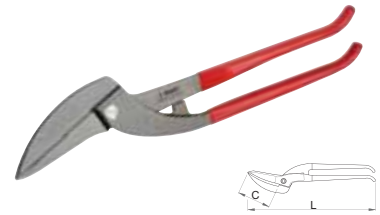
- material: special tool steel
- drop forged
- blade induction hardened
- drop forged, entirely hardened and tempered
- protection against corrosion
- handles plastic dipped
- for cutting sheet metal by 400N/mm² thickness up to 1,5mm



Barcode	L	C	Weight	Material	Price
615042	280	50	502	B	20,48

592R/7PR**Tin snips "pelican" type**

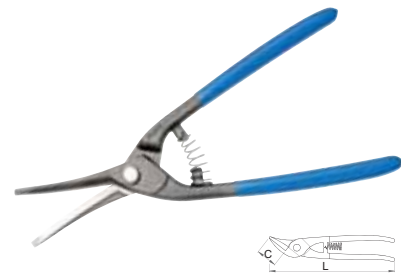
- material: special tool steel
- drop forged
- blade induction hardened
- drop forged, entirely hardened and tempered
- protection against corrosion
- handles plastic dipped
- for cutting sheet metal by 400N/mm² thickness up to 1,5mm



Barcode	L	C	Weight	Material	Price
615035	350	90	880	E	26,76

565R/7P**Universal tin snips**

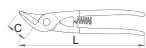
- material: special tool steel
- drop forged
- blade induction hardened
- drop forged, entirely hardened and tempered
- head surface finish: finely ground
- protection against corrosion
- handles plastic dipped
- spring for reopening
- for cutting sheet metal by 400N/mm² thickness up to 1 mm



Barcode	L	C	Weight	Material	Price
609332	250	70	420	B	20,03

566R/7P**Shape tin snips**

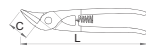
- material: special tool steel
- drop forged
- blade induction hardened
- drop forged, entirely hardened and tempered
- head surface finish: finely ground
- protection against corrosion
- handles plastic dipped
- spring for reopening
- for cutting sheet metal by 400N/mm² thickness up to 1,25mm



	L	C			
609333	250	40	467	B	24,15

568R/7P**Tin snips "ideal" type**

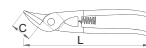
- material: special tool steel
- drop forged
- blade induction hardened
- drop forged, entirely hardened and tempered
- head surface finish: finely ground
- protection against corrosion
- handles plastic dipped
- spring for reopening
- for cutting sheet metal by 400N/mm² thickness up to 1,5mm



	L	C			
609336	250	35	532	B	23,00

569R/7P**Tin snips "berliner" type**

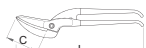
- material: special tool steel
- drop forged
- blade induction hardened
- drop forged, entirely hardened and tempered
- head surface finish: finely ground
- protection against corrosion
- handles plastic dipped
- spring for reopening
- for cutting sheet metal by 400N/mm² thickness up to 1,25mm



	L	C			
609334	250	55	452	B	23,22

567R/7P**Tin snips "pelican" type**

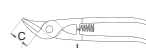
- material: special tool steel
- drop forged
- blade induction hardened
- drop forged, entirely hardened and tempered
- head surface finish: finely ground
- protection against corrosion
- handles plastic dipped
- spring for reopening
- for cutting sheet metal by 400N/mm² thickness up to 1,5mm



	L	C			
609335	290	56	672	B	26,40

568L/7P**Tin snips "ideal" type**

- material: special tool steel
- drop forged
- blade induction hardened
- drop forged, entirely hardened and tempered
- head surface finish: finely ground
- protection against corrosion
- handles plastic dipped
- spring for reopening
- for cutting sheet metal by 400N/mm² thickness up to 1,5mm



	L	C			
610945	250	35	532	B	23,00

561R/3G**Lever tin snips "ideal"**

- material: jaws drop forged from special tool steel
- handles from steel sheet
- entirely hardened and tempered
- blade induction hardened
- spring for reopening
- nickel plated handles, heavy duty plastic handles
- for cutting sheet metal by 400N/mm² thickness up to 1 mm



	L	C			
608771	260	47.5	487	B	24,22



6 Lever tin snips

571R/3G

Lever shape tin snips

- material: jaws drop forged from special tool steel
- handles from steel sheet
- blade induction hardened
- spring for reopening
- nickel plated handles, heavy duty plastic handles
- for cutting sheet metal by 400N/mm² thickness up to 1,25mm



	L	C			
608773	260	40	497	B	24,65

591L/3G

Lever tin snips "pelican" type

- material: jaws drop forged from special tool steel
- handles from steel sheet
- blade induction hardened
- spring for reopening
- nickel plated handles, heavy duty plastic handles
- for cutting sheet metal by 400N/mm² thickness up to 1,25mm

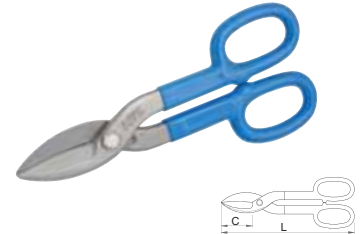


	L	C			
608776	260	37	547	B	25,91

573/7P

Tin snips straight

- material: special tool steel
- drop forged
- blade induction hardened
- handles plastic dipped

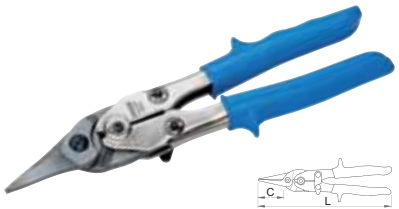


	L	C			
615158	175	40	265	B	11,91
615159	200	40	318	B	12,45
615160	250	51	497	B	14,02
615161	300	70	627	B	19,06
615162	350	76	802	B	24,09

571L/3G

Lever shape tin snips

- material: jaws drop forged from special tool steel
- handles from steel sheet
- blade induction hardened
- spring for reopening
- nickel plated handles, heavy duty plastic handles
- for cutting sheet metal by 400N/mm² thickness up to 1,25mm



	L	C			
608774	260	40	497	B	24,65

562/3P

Nibbler

- handles from steel sheet
- serrated centre cutter
- anti-slip guard on handle
- lock to prevent accidental opening
- spring for reopening
- surface finish: nickel plated
- blade induction hardened

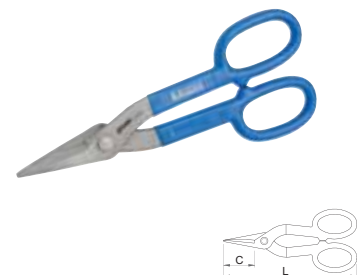


	L	B			
608772	250	3.3	462	B	31,63

574/7P

Oblique tin snips

- material: special tool steel
- drop forged
- blade induction hardened
- handles plastic dipped



	L	C			
615163	175	40	222	B	12,17
615164	250	51	447	B	14,28
615165	325	72	677	B	22,23

591R/3G

Lever tin snips "pelican" type

- material: jaws drop forged from special tool steel
- handles from steel sheet
- blade induction hardened
- spring for reopening
- nickel plated handles, heavy duty plastic handles
- for cutting sheet metal by 400N/mm² thickness up to 1,25mm



	L	C			
608775	260	37	547	B	25,91

562.1/9

Spare blade for 562/3P

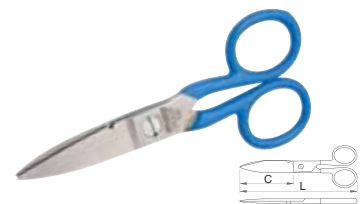


	L				
601569	250	23	E		8,59

582/3P

Electricians' scissors

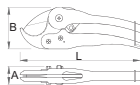
- material: special tool steel
- drop forged
- cutting edges induction hardened
- surface finish: nickel plated
- handles plastic dipped



	L	C			
601127	150	52	81	B	15,35

583/6**PVC pipe cutter**

- material: blade - molybdenum stainless steel, handles - alloy aluminium
- intended for cutting PVC pipes (dim. 195 up to 1" and dim. 210 up to 1,5" of thickness)
- right angle cuts are assured
- step cutting mechanism



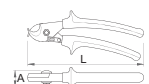
Barcode	L	⌚	👤	🗑️	🔧
605418	195	1	295	E	47,40
609405	210	1.5	385	E	58,65

583.1/7**Spare cutter for 583/6**

Barcode	⌚	L	👤	🗑️	🔧
605419	1"	195	64	E	25,59
609406	1.5"	215	67	E	30,14

**580/1BI****Cable shears**

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: chrome plated to standard EN12540
- heavy duty double - component handles
- jet stamp UNIOR
- for cutting cables without steel wire



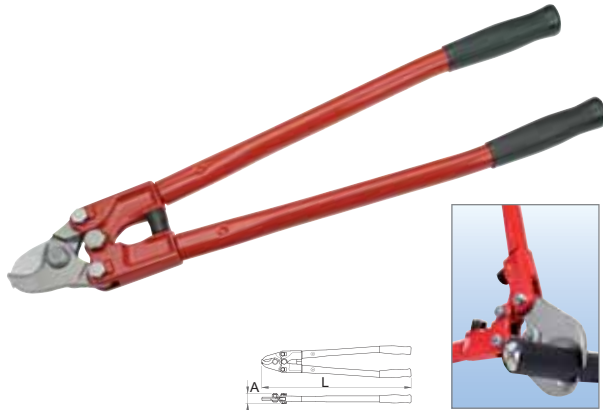
Barcode	L	A	ØT	👤	🗑️	🔧
609238	170	22	10	339	B	28,33
609239	230	22	17	444	B	32,34

6 Steel wire cutter, PVC pipe cutter, Cable shears

585/6

Cable shears

- material: cutters - special tool steel, drop forged, entirely hardened and tempered
- jaws exchangeable
- cutting edges separately induction hardened
- tube steel handles, lacquered, heavy duty plastic handles
- for cutting cables without steel wire or inside steel coat



Barcode	L	A	Weight	Person	Box	Price
615226	550	38	23	2080	D	77,70
616732	800	42	39	3660	D	81,16

585.1/7

Spare jaw for 585/6



Barcode	Weight	Person	Box	Price
618620	550	354	E	28,98
618621	800	810	E	37,50

585/6P

Wire rope shears

- material: cutters - special tool steel, drop forged, entirely hardened and tempered
- jaws exchangeable
- cutting edges separately induction hardened
- tube steel handles, lacquered, heavy duty plastic handles



Barcode	L	A	Weight	Person	Box	Price
617672	760	36	8	3475	D	109,59

585.1/7P

Spare jaw for 585/6P



Barcode	Weight	Person	Box	Price
618622	765	643	E	72,06



586/6

Threaded rod cutter

- made from special forged tool steel, fitted with exchangeable jaws that smoothly cut even the toughest threaded rods up to class 8,8
- the cutter jaws are extra hardened and tempered for enhanced durability
- the lever handle has suitable length to allow quick and uniform cutting, therefore less force is needed to cut the threaded rods
- the tool handles are made of powder coated steel tubes and fitted with plastic sleeves for a comfortable grip

Advantages:

- capable to cut threaded rods of three different dimensions
- clean cutting – no burring on the threaded rod
- Preservation of the thread of the threaded rod
- protected against corrosion
- easy to operate with and comfortable handling
- precise and fast cutting of threaded rods
- proper opening of the cutter
- to operate correctly, the cutter should be opened by raising the top lever handle to its maximum extent. When it is fully open, insert the threaded rod into the cutter opening of the corresponding dimension

Cutting threaded rods

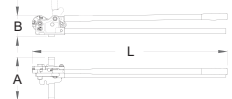
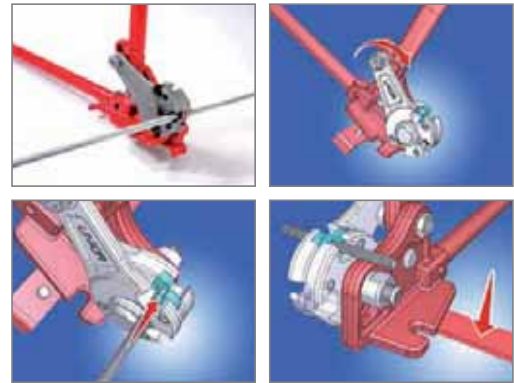
1. Insert the threaded rod into the opening of the corresponding dimension.
2. The threaded rod should fit tightly into the cutter thread.

Important notes when cutting

- 1. When operating on the floor, apply foot pressure on the bracket.
- 2. The cutter (code 620256) is designed to cut only M8, M10, M12 threaded rods, code 621479 cut M6, M8, M10.
- 3. The cutter is not designed to cut hardened threaded rods or bolts.
- 4. When the cutters are worn out, always replace both cutter jaws.
- possibility of replacement of damaged cutter jaws
- cutter jaw material: special tool steel
- cutting of M8, M10, M12 threaded rods (code 620256), M6, M8, M10 (code 621479)
- clean cut, free of burrs
- preservation of threads
- simple operation

Caution!

- prior to operation, read the instructions
- when operating, always use appropriate protective equipment
- drop forged, entirely hardened and tempered



Barcode	M 8	M 10	M 12	L	B	A	Weight	Material	Price
620256				945	95	210	5750	D	203,36
621479	M 6	M 8	M 10	945	95	210	5100	D	203,36

586.1/7

Cutter for 586/6



Barcode	M 6	M 8	M 10	M 12	Weight	Price
621480					31	10,93
620653					32	10,93
620654					36	11,57
620655					38	12,10



586.2/4

Screw set 6 pieces for 586.1/7



Barcode	Weight	Material	Price
622705\$	31	E	2,73

596PLUS/6G

Bolt cutters with interchangeable triangular cutting edges

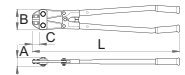
- material: cutters - special tool steel, drop forged, entirely hardened and tempered
- jaws exchangeable and adjustable in three position, entirely hardened and tempered
- tube steel handles, lacquered, heavy duty plastic handles

Advantages:

- extreme strength and minimum weight
- outstanding resistance to the maximum forces generated during cutting
- complete anti-corrosion resistance
- straightforward guidance and proper handling
- shock absorber for the prevention of injuries
- triangular blade - threefold longer service life
- the procedure for adjusting the jaw cutting edges

How to adjust the cutting edges?

- Release the safety nut.
- Take the screw out of the groove and turn it until there is no spacing between the cutting edges
- Secure the safety nut.



	L	A	B	C	Weight	Box	Weight
615256	750	43	96	46	4060	D	131,20
615257	900	47	109	50	6300	D	177,13

cutting capacity (10N=1kg)

	L	max 1600 N/mm ² $\bar{\sigma}$	max 650 N/mm ² $\bar{\sigma}$
615256	750	8	13
615257	900	9	16

596.1PLUS/7

Spare jaw for 596PLUS/6G

- jaw + 2 screws + 2 nuts



	L	Weight	Box	Weight
615258	750	1468	E	72,16
615259	900	1956	E	97,42

596.2PLUS/7

Spare cutting edges for 596PLUS/6G

- spare part includes: 2 cutting edges, 4 plates for cutting edges, 4 screws, 4 nuts

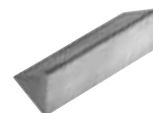


	L	Weight	Box	Weight
615260	750	116	E	24,60
615261	900	126	E	33,21

596.3PLUS/7

Spare cutting edge for 596PLUS/6G ▲

- spare part includes 1 cutting edge



	L	Weight	Box	Weight
616521	750	22	E	11,51
616522	900	28	E	15,22

596/6A

Bolt cutter

- material: cutters - special tool steel, drop forged, entirely hardened and tempered
- cutting edges separately induction hardened
- tube steel handles, lacquered, heavy duty plastic handles
- protection of the excentric screws for adjustment of blades with forged recesses ensures 100% protection against unscrewing
- shock-absorbers on the joints absorb shocks on the handles, which happen when cutting reinforcing rod



	L	A	B	C			
610963	300	26	40	16	737	D	32,38
610964	350	26	55	24	805	D	36,37
610965	450	34	70	36	1500	D	57,40
610966	600	38	84	40	2600	D	75,04
610967	750	43	96	46	3950	D	98,37
610968	900	47	109	50	6300	D	133,40
612984	1050	48	120	46	6900	D	153,40

cutting capacity (10N=1kg)

	L	(max 1600 N/mm ²) $\bar{T}\bar{\sigma}$	(max 650 N/mm ²) $\bar{T}\bar{\sigma}$
610963	300	3	5
610964	350	3,5	5
610965	450	5	8
610966	600	7	10
610967	750	8	13
610968	900	9	16
612984	1050	10	19

596.1/7A

Spare parts for 596/6A

- jaw + 2 screws + 2 nuts



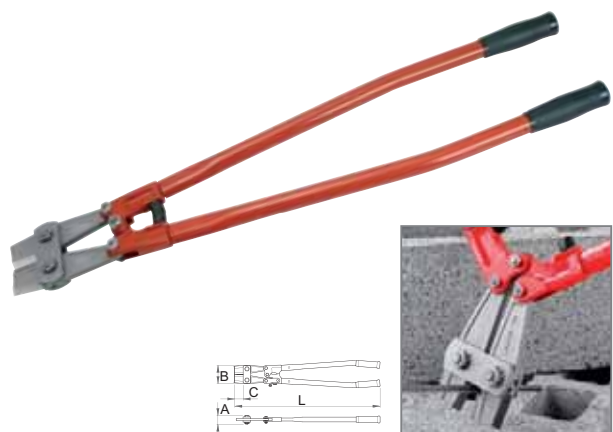
610969	300	265	E	20,53
610970	350	265	E	21,87
610971	450	547	E	33,26
610972	600	877	E	45,54
610973	750	1391	E	51,14
610974	900	1887	E	75,00
613078	1050	2144	E	86,24



595/6A

Bolt cutter

- material: cutters - special tool steel, drop forged, entirely hardened and tempered
- jaws with double sided cutting edges, exchangeable and adjustable
- cutting edges separately induction hardened
- tube steel handles, lacquered, heavy duty plastic handles



	L	A	B	C			
612127	750	43	95	38	4035	D	114,74
612128	900	43	108	45	6200	D	156,69

cutting capacity (10N=1kg)

	L	(max 1600 N/mm ²) $\bar{T}\bar{\sigma}$	(max 650 N/mm ²) $\bar{T}\bar{\sigma}$
612127	750	5	12
612128	900	7	14

6 Bolt cutters - standard

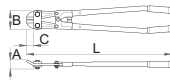
596/6B

Bolt cutter

- material: cutters - special tool steel, drop forged, entirely hardened and tempered
- cutting edges separately induction hardened
- tube steel handles, lacquered, heavy duty plastic handles
- protection of the excentric screws for

adjustment of blades with forged recesses ensures 100% protection against unscrewing

- shock-absorbers on the joints absorb shocks on the handles, which happen when cutting reinforcing rod



	L	A	B	C			
610975	450	34	70	29	1500	D	56,16
610976	600	36	84	32	2600	D	72,79

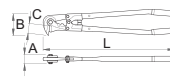
cutting capacity (10N=1kg)

	L	(max 1600 N/mm ²) $\bar{T}\bar{\sigma}$	(max 650 N/mm ²) $\bar{T}\bar{\sigma}$
610975	450	5	8
610976	600	7	10

598/6

Bolt cutter

- material: cutters - special tool steel, drop forged, entirely hardened and tempered
- jaws exchangeable and adjustable
- cutting edges separately induction hardened
- tube steel handles, lacquered, heavy duty plastic handles



	L	A	B	C			
607153	600	46	100	43	2615	D	76,83
610228	800	46	100	43	3415	D	82,29
608442	1000	46	100	43	6100	D	84,51

cutting capacity (10N=1kg)

	L	(max 1600 N/mm ²) $\bar{T}\bar{\sigma}$	(max 650 N/mm ²) $\bar{T}\bar{\sigma}$
607153	600	11	13
610228	800	11	13
608442	1000	11	13

595.1/7A

Spare parts for 595/6A

- jaw + 2 screws + 2 nuts



612129	750	1476	E	62,57
612130	900	1856	E	84,49

596.1/7B

Spare parts for 596/6B

- jaw + 2 screws + 2 nuts



610977	450	542	E	34,98
610978	600	858	E	48,37

598.1/7

Spare parts for 598/6

- jaw + 2 screws + 2 nuts

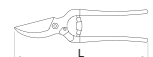


607968	600 - 1000	931	E	47,15

542/4PR

Pruning shears

- material: special tool steel
- drop forged
- cutting edges induction hardened
- surface finish: phosphated to standard DIN 12476
- handles plastic dipped



	L			
601578	220	310	B	15,41

542.1/5

Spare spring for 542/4PR



603870	13	E	1,99

544/6

Easy - cut pruner with aluminium handles !

- material: blade from alloy steel
- aluminium handles
- cutting parts entirely hardened and tempered
- cutting parts sharply grinded, replaceable
- special ergonomic design
- head ground
- handles lacquered



	L			
601580	220	268	B	28,49

544.1/5

Spare spring for 544/6



601582	10	E	2,17

544.2/9

Spare parts for art. 544/6

- blade + jaw



601581	75	E	17,94

546/6

Grape shears

- material: special tool steel
- drop forged
- cutting edges induction hardened
- surface finish: lacquered



	L			
601583	190	143	B	15,32

546.1/5

Spare spring for art. 546/6



601584	9	E	1,83

550/3PR

Anvil pruner !

- material: blade from alloy steel
- cutting parts entirely hardened and tempered
- aluminium moveable jaw
- teflon coated blade
- surface finish: nickel plated
- lock to prevent accidental opening
- anti-slip guard
- use for general garden cutting
- handles plastic dipped



	L			
601590	200	287	B	18,64

550.1/9

Spare parts for art. 550/3PR

- blade + jaw + rivet + bush



601585	50	E	9,80

550.2/9

Spare blade for 550/3PR



601592	28	E	5,34

550.3/9

Spare parts for art. 550/3PR

- laminated spring + rivet



601591	17	E	1,06

555/6

Tree pruner !

- material: blade from alloy steel
- aluminium bottom jaw, steel handles
- jaws entirely hardened and tempered
- blade induction hardened, sharply ground, teflon coated
- for trimming branches
- cutting capacity up to R 40 mm
- double joint performance
- lacquered handles with heavy duty handles



	L			
603522	750	1895	C	65,31

555.1/9

Spare blade for art. 555/6



605214	225	E	14,21

555.2/9

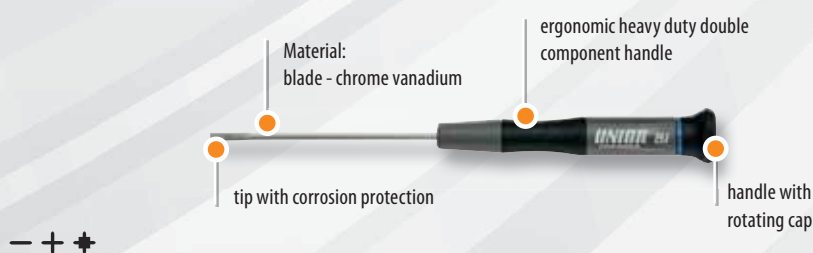
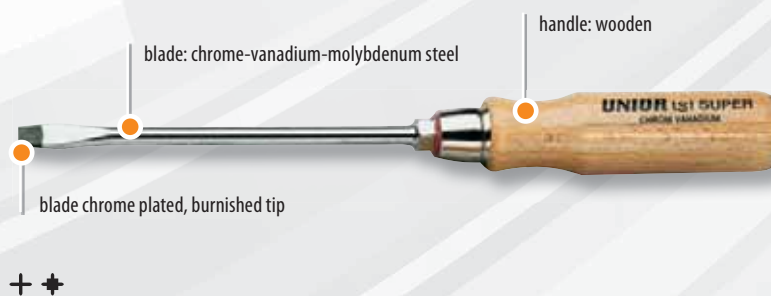
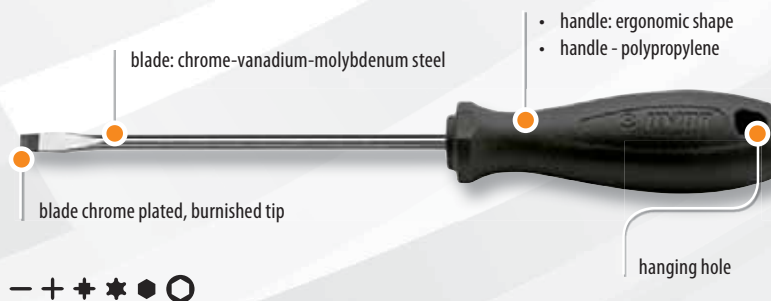
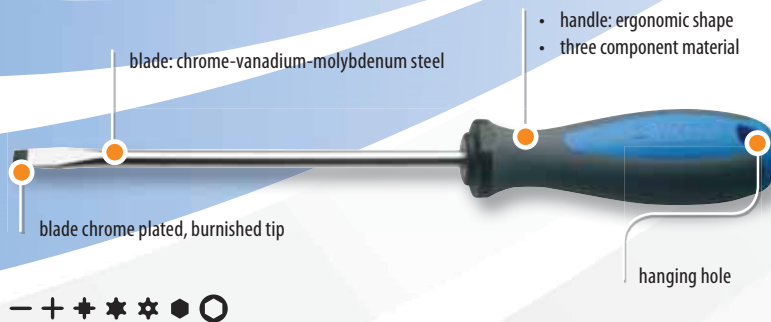
Spare jaw for art. 555/6



605236	55	E	13,10

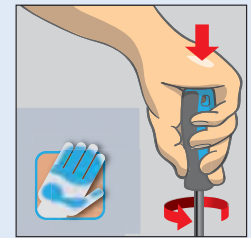
Screwdrivers

Features of Unior's screwdrivers

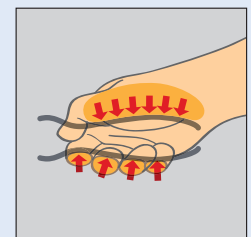


ERGONOMIC HANDLE!

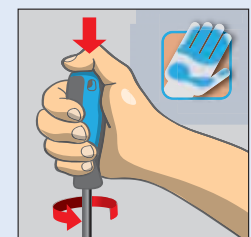
The combination of hard and soft surface improves the load factor and ensures smooth screwing. The handle was developed in such a way that it takes care of the user's health because it reduces the tension of the hand muscle.



Large hand contact area = more torque power



Ergonomic handle design = protecting your hand





Ergonomically designed handles

The superior quality of materials used in the Unior line of screwdrivers is complemented by ergonomically designed handles to provide an excellent hold.



Greater torque

Along with the varied consistency of the plastic handle practically eliminating the danger of the screwdriver slipping in the hand, the improved grip also ensures greater torque. This can also be achieved by inserting a rod in the perforation added with this purpose to all handles (except in screwdrivers with wooden handles), functioning also as a hanging hole for handier storage.











Three-component handle

With its combination of soft and hard surfaces, the special, three-component handle – a Unior patent – ensures comfort and efficient performance with minimum strain on the wrist while working.



Slip-proof grip

Able to fit a variety of screw profiles and exhibiting innovative three-component handles, Unior screwdrivers ensure great efficiency and a slip-proof grip.

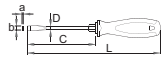
	Screwdrivers flat	188 - 189
	Screwdrivers crosstip	189 - 191
	Screwdrivers with PZ profile	191 - 192
	Screwdriver S- ball and hexagonal	192
	Screwdriver with TX profile	192 - 193
	Screwdrivers - square and socket	193 - 195
	Magnetizer, ratchet handle and blades	196 - 197
	Bits	198 - 201



600TBI

Flat screwdriver TBI with hexagon bolster

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blade chrome plated, blacken tip
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard ISO 2380-1,2



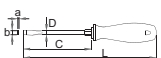
	a x b	C	L	D					
611680	1.0 x 5.5	100	200	5	8	68	B		5,37
611681	1.2 x 6.5	125	235	6	10	103	B		7,05
611682	1.2 x 8.0	150	270	7	13	143	B		8,44
611683	1.6 x 10.0	175	295	8	13	171	B		9,40



600CR

Flat screwdriver CR with hexagon bolster

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blade chrome plated, blacken tip
- handle: ergonomic shape
- handle - polypropylene
- hanging hole
- made according to standard ISO 2380-1,2

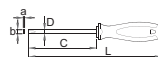


	a x b	C	L	D					
616322	1.0 x 5.5	100	200	5	8	68	B		3,92
616323	1.2 x 6.5	125	235	6	10	103	B		5,31
616324	1.2 x 8.0	150	270	7	13	143	B		6,38
616325	1.6 x 10.0	175	295	8	13	171	B		7,59

602TBI

Flat electrician's screwdriver TBI

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blade chrome plated, blacken tip
- handle: ergonomic shape
- three component material
- hanging hole

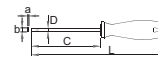


	a x b	C	L	D					
612797	0.4 x 2.5	60	145	2.5	33	B			2,97
612798	0.4 x 2.5	75	160	2.5	33	B			3,01
611684	0.5 x 3.0	100	185	3	37	B			3,08
612799	0.5 x 3.0	150	235	3	39	B			3,50
612800	0.6 x 3.5	100	185	3.5	39	B			3,72
612801	0.8 x 4.0	100	185	4	43	B			3,76
611685	0.8 x 4.0	125	210	4	45	B			3,86
612802	0.8 x 4.0	150	235	4	48	B			3,99
612803	0.8 x 4.0	250	335	4	56	B			4,78
612804	1.0 x 5.5	125	225	5.5	75	B			5,14
616843	1.0 x 5.5	280	380	5.5	103	B			7,40
611686	1.0 x 5.5	150	250	5.5	81	B			5,20
612805	1.2 x 6.5	150	260	6.5	113	B			6,28
616844	1.2 x 6.5	280	390	6.5	145	B			8,61
612806	1.2 x 8.0	175	295	8	163	B			7,56

602CR

Flat electrician's screwdriver CR

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blade chrome plated, blacken tip
- handle: ergonomic shape
- handle - polypropylene
- hanging hole



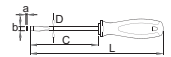
	a x b	C	L	D					
616326	0.4 x 2.5	60	145	2.5	33	B			2,04
616327	0.4 x 2.5	75	160	2.5	33	B			2,08
616328	0.5 x 3.0	100	185	3	37	B			2,30
616329	0.5 x 3.0	150	230	3	39	B			2,46
616330	0.6 x 3.5	100	180	3.5	39	B			2,64
616331	0.8 x 4.0	100	190	4	43	B			2,68
616332	0.8 x 4.0	150	240	4	48	B			2,85
616333	0.8 x 4.0	250	340	4	56	B			3,43
616334	1.0 x 5.5	125	225	5.5	75	B			3,59
616335	1.0 x 5.5	150	250	5.5	81	B			3,81
616336	1.2 x 6.5	150	250	6.5	113	B			4,41
616337	1.2 x 8.0	175	285	8	163	B			5,68



605TBI

Flat screwdriver TBI

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blade chrome plated, blacken tip
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard ISO 2380-1,2

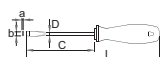


	a x b	C	L	D					
612810	0.4 x 2.5	60	145	2.5	33	B			2,97
611687	0.4 x 2.5	75	160	2.5	34	B			2,98
611688	0.5 x 3.0	80	165	3	35	B			3,01
612811	0.5 x 3.0	100	185	3	37	B			3,07
611689	0.5 x 3.0	125	210	3	37	B			3,23
612812	0.5 x 3.0	150	235	3	39	B			3,46
612813	0.6 x 3.5	75	160	3.5	37	B			3,46
611690	0.6 x 3.5	100	185	3.5	39	B			3,52
611691	0.6 x 3.5	125	210	3.5	40	B			3,57
611692	0.8 x 4.0	100	185	4	41	B			3,60
612814	0.8 x 4.0	125	210	4	44	B			3,77
611693	0.8 x 4.0	150	235	4	46	B			4,16
612815	0.8 x 4.0	200	285	4	53	B			4,68
612816	1.0 x 5.5	100	200	5	68	B			4,74
611694	1.0 x 5.5	125	225	5.5	70	B			4,72
611695	1.0 x 5.5	150	250	5	74	B			4,76
612817	1.2 x 6.5	100	210	6	93	B			5,81
612818	1.2 x 6.5	125	235	6	98	B			5,91
611696	1.2 x 6.5	150	260	6	103	B			5,86
611697	1.2 x 6.5	200	310	6	115	B			6,89
611698	1.2 x 8.0	175	295	7	143	B			6,99
612819	1.6 x 8.0	175	295	7	143	B			7,25
611699	1.6 x 10.0	200	320	8	173	B			8,17
611700	2.0 x 12.0	250	370	9	223	B			11,10

605CR

Flat screwdriver CR

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: ergonomic shape
- handle - polypropylene
- hanging hole
- made according to standard ISO 2380-1,2

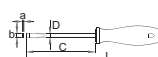


	a x b	C	L	D				
616338	0.4 x 2.5	60	145	2.5	33	B		1,79
616339	0.4 x 2.5	75	160	2.5	34	B		1,79
616340	0.5 x 3.0	80	165	3	35	B		2,11
616341	0.5 x 3.0	100	185	3	37	B		2,15
616342	0.5 x 3.0	150	235	3	39	B		2,40
616343	0.6 x 3.5	75	160	3.5	37	B		2,32
616344	0.6 x 3.5	100	185	3.5	39	B		2,32
616345	0.6 x 3.5	125	210	3.5	40	B		2,40
616346	0.8 x 4.0	100	185	4	41	B		2,54
616347	0.8 x 4.0	125	210	4	44	B		2,64
616348	0.8 x 4.0	150	235	4	46	B		2,72
616349	0.8 x 4.0	200	285	4	53	B		3,19
616350	1.0 x 5.5	100	200	5	68	B		3,17
616351	1.0 x 5.5	125	225	5	70	B		3,17
616352	1.0 x 5.5	150	250	5	74	B		3,23
616353	1.2 x 6.5	100	200	6	93	B		3,67
616354	1.2 x 6.5	125	225	6	98	B		3,67
616355	1.2 x 6.5	150	250	6	103	B		3,76
616356	1.2 x 8.0	175	285	7	143	B		4,81
616357	1.6 x 8.0	175	285	7	143	B		4,81
616358	1.6 x 10.0	200	320	8	173	B		6,30
616359	2.0 x 12.0	250	370	9	223	B		9,27

605NI

Flat screwdriver

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blade nickel plated
- handle: ergonomic shape
- handle - polypropylene
- hanging hole
- made according to standard ISO 2380-1,2

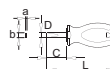


	a x b	C	L	D				
616419	0.4 x 2.0	60	150	2	33	B		1,34
616420	0.4 x 2.5	75	160	2.5	34	B		1,35
616421	0.5 x 3.0	80	165	3	35	B		1,44
616422	0.6 x 3.5	100	185	3.5	39	B		1,77
616423	0.8 x 4.0	100	185	4	41	B		2,05
616424	1.0 x 5.5	125	225	5	70	B		2,52
616425	1.2 x 6.5	150	250	6	103	B		2,97
616426	1.2 x 8.0	175	285	8	143	B		3,81
616427	1.6 x 10.0	200	320	10	173	B		5,36

627TBI

Stubby flat screwdriver TBI

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard ISO 2380-1,2

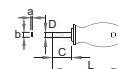


	a x b	C	L	D				
612832	0.6 x 3.5	25	87	3.5	33	B		3,34
617089	0.6 x 3.5	35	97	3.5	34	B		3,40
612833	0.8 x 4.0	25	87	4	41	B		3,43
617090	0.8 x 4.0	35	97	4.0	35	B		3,43
612834	1.0 x 5.5	25	87	5.5	40	B		3,47
617091	1.0 x 5.5	35	97	5.5	41	B		3,50
612835	1.2 x 6.5	25	87	6.5	34	B		3,49
617092	1.2 x 6.5	35	97	6.5	36	B		3,50

627CR

Stubby flat screwdriver CR

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: ergonomic shape
- handle - polypropylene
- hanging hole
- made according to standard ISO 2380-1,2

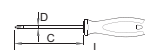


	a x b	C	L	D				
616399	0.8 x 4.0	25	85	4	37	B		2,25
616400	1.0 x 5.5	25	85	5.5	41	B		2,42
616401	1.2 x 6.5	25	85	6.5	43	B		2,49

615TBI

Crosstip (PH) screwdriver TBI

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard ISO 8764-1,2



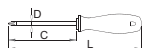
		C	L	D				
611701	PH 0	60	145	3	34	B		2,93
611702	PH 1	80	180	4.5	60	B		4,16
611703	PH 1	200	300	4.5	74	B		5,10
611704	PH 2	100	210	6	94	B		5,52
611705	PH 2	150	260	6	104	B		5,77
611706	PH 2	200	310	6	114	B		6,93
611707	PH 3	150	270	8	154	B		7,17
611708	PH 4	200	320	10	230	B		9,99



615CR

Crosstip (PH) screwdriver CR

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: ergonomic shape
- handle - polypropylene
- hanging hole
- made according to standard ISO 8764-1,2

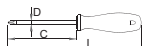


Barcode	+	C	L	D	Icon	Icon	Icon	Price
616363	PH 0	60	145	3	34	B		2,04
616364	PH 1	80	165	4.5	60	B		2,49
616365	PH 1	200	285	4.5	74	B		3,10
616366	PH 2	100	200	6	94	B		3,40
616367	PH 2	150	250	6	104	B		3,67
616368	PH 3	150	260	8	154	B		5,02
616369	PH 4	200	320	10	230	B		8,21

612CR

Electrician's crosstip screwdriver CR

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: ergonomic shape
- handle - polypropylene
- hanging hole

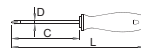


Barcode	+	C	L	D	Icon	Icon	Icon	Price
616360	PH 1	280	365	4.5	67	B		4,16
616361	PH 2	200	300	6	98	B		5,20
616362	PH 2	280	380	6	113	B		5,93

615NI

Crosstip (PH) screwdriver

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blade nickel plated
- handle: ergonomic shape
- handle - polypropylene
- hanging hole
- made according to standard ISO 8764-1,2

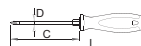


Barcode	+	C	L	D	Icon	Icon	Icon	Price
616428	PH 0	60	145	3	34	B		1,76
616429	PH 1	80	165	4.5	60	B		2,15
616430	PH 2	100	200	6	94	B		2,93
616431	PH 3	150	260	8	154	B		4,44

616TBI

Crosstip (PH) screwdriver TBI with hexagon bolster

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard ISO 8764-1,2

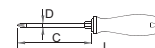


Barcode	+	C	L	D	Icon	Icon	Icon	Price
611709	PH 1	80	180	4.5	8	60	B	5,00
611710	PH 2	100	210	6	10	94	B	6,26
611711	PH 3	150	270	8	13	154	B	8,85

616CR

Crosstip (PH) screwdriver CR with hexagon bolster

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: ergonomic shape
- handle - polypropylene
- hanging hole
- made according to standard ISO 8764-1,2

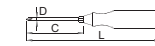


Barcode	+	C	L	D	Icon	Icon	Icon	Price
616370	PH 1	80	180	4.5	8	60	B	3,49
616371	PH 2	100	210	6	10	94	B	4,51
616372	PH 3	150	270	8	13	154	B	6,96

616W

Crosstip (PH) screwdriver with hexagon bolster

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: wooden
- made according to standard ISO 8764-1,2



Barcode	+	C	L	D	Icon	Icon	Icon	Price
602817	PH 2	100	200	6	10	83	A	10,11

626TBI

Stubby crosstip (PH) screwdriver TBI

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard ISO 8764-1,2



Barcode	+	C	L	D	Icon	Icon	Icon	Price
612829	PH 0	25	87	3	33	B		3,32
617086	PH 0	35	97	3.0	33	B		3,40
612830	PH 1	25	87	4.5	37	B		3,34
617087	PH 1	35	97	4.5	37	B		3,41
612831	PH 2	25	87	6	41	B		3,47
617088	PH 2	35	97	6.0	43	B		3,47



626CR

Stubby crosstip (PH) screwdriver +
CR

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blade chrome plated, blacken tip
- handle: ergonomic shape
- handle - polypropylene
- hanging hole
- made according to standard ISO 8764-1,2

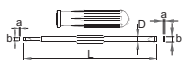


Barcode	+	C	L	D	Icon	Icon	Icon
616397	PH 1	25	85	4.5	37	B	2,32
616398	PH 2	25	85	6	41	B	2,46

636

Reversible screwdriver - +

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blade nickel plated
- handle: ergonomic shape
- handle - polypropylene

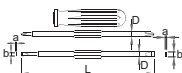


Barcode	a x b	+	L	D	Icon	Icon	Icon
608922	1.0 x 6.0	PH 2	140	6	53	E	2,90

636A

Reversible screwdriver - +

- with two blades PH2-PH3 and 0.8 x 4.0 - 1.2 x 7.0



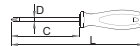
Barcode	+	+	a x b	a x b	L	D	Icon	Icon	Icon
615049	PH 2	PH 3	0.8 x 4.0	1.2 x 7.0	180	7	127	E	4,43



625TBI

Double-crosstip (PZ) screwdriver +
TBI

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blade chrome plated, blacken tip
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard ISO 8764-1,2

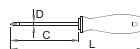


Barcode	+	C	L	D	Icon	Icon	Icon
611741	PZ 0	60	145	3	34	B	2,91
611742	PZ 1	80	180	4.5	60	B	4,02
611743	PZ 2	100	210	6	93	B	5,10
611744	PZ 3	150	270	8	156	B	6,58

625CR

Double-crosstip (PZ) screwdriver +
CR

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blade chrome plated, blacken tip
- handle: ergonomic shape
- handle - polypropylene
- hanging hole
- made according to standard ISO 8764-1,2

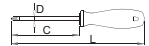


Barcode	+	C	L	D	Icon	Icon	Icon
616393	PZ 0	60	145	3	34	B	2,15
616394	PZ 1	80	165	4.5	60	B	2,42
616395	PZ 2	100	200	6	93	B	3,33
616396	PZ 3	150	260	8	156	B	4,94

625NI

Double-crosstip (PZ) screwdriver +

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blade nickel plated
- handle: ergonomic shape
- handle - polypropylene
- hanging hole
- made according to standard ISO 8764-1,2

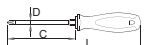


Barcode	+	C	L	D	Icon	Icon	Icon
616432	PZ 0	60	145	3	34	B	1,81
616433	PZ 1	80	165	4.5	60	B	2,06
616434	PZ 2	100	200	6	93	B	2,84
616435	PZ 3	150	260	8	156	B	4,31

617TBI

Double crosstip (PZ) screwdriver +
TBI with hexagon bolster

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard ISO 8764-1,2



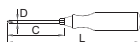
		C	L	D				
611712	PZ 1	80	180	4.5	8	60	B	5,02
611713	PZ 2	100	210	6	10	94	B	6,32
611714	PZ 3	150	270	8	13	154	B	8,87

7 Screwdrivers with PZ profile

617W

Double crosstip (PZ) screwdriver with hexagon bolster

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: wooden
- made according to standard ISO 8764-1,2



Barcode	Profile	C	L	D	Head	Handle	Weight
603468	PZ 2	100	210	6	10	83	9,73

628CR

Stubby double-crosstip (PZ) screwdriver CR

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: ergonomic shape
- handle - polypropylene
- hanging hole
- made according to standard ISO 8764-1,2

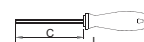


Barcode	Profile	C	L	D	Head	Handle	Weight
616402	PZ 1	25	85	4.5	37	B	2,32
616403	PZ 2	25	85	6	41	B	2,46

620/1CR

Hexagon screwdriver CR

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blade: blackened
- handle: ergonomic shape
- handle - polypropylene
- hanging hole



Barcode	Profile	C	L	D	Head	Handle	Weight
617128		2	60	145	34	B	2,38
617129		2.5	60	145	34	B	2,57
617130		3	75	160	37	B	2,81
617131		4	75	160	68	B	3,01
617132		5	85	185	93	B	3,12
617133		6	95	205	128	B	3,58
617134		8	105	215	203	B	4,63
617135		3/32"	60	145	34	B	2,62
617136		7/64"	60	145	34	B	2,75
617137		1/8"	75	160	37	B	2,96
617138		9/64"	75	160	68	B	3,08
617139		5/32"	85	170	68	B	3,08
617140		3/16"	85	185	93	B	3,12
617141		7/32"	85	185	128	B	3,77
617142		1/4"	95	205	128	B	4,53
617143		5/16"	105	215	203	B	4,95
617144		3/8"	115	235	203	B	6,88

628TBI

Stubby double-crosstip (PZ) screwdriver TBI

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard ISO 8764-1,2

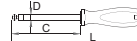







Barcode	Profile	C	L	D	Head	Handle	Weight
612836	PZ 0	25	87	3	33	B	3,43
617093	PZ 0	35	97	3.0	33	B	3,48
612837	PZ 1	25	87	4.5	37	B	3,43
617094	PZ 1	35	97	4.5	37	B	3,49
612838	PZ 2	25	87	6	41	B	3,52
617095	PZ 2	35	97	6.0	43	B	3,59

620TBI

Ball-end hexagon screwdriver TBI

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: ergonomic shape
- three component material
- hanging hole

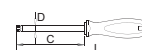


		C	L	D			
611715	2	65	150	3	34	B	3,82
611716	2.5	75	160	3	34	B	3,82
611717	3	75	160	3.5	37	B	4,23
611718	4	100	200	5	68	B	5,62
611719	5	100	210	6	93	B	6,62
611720	6	125	245	7	128	B	7,47
611721	8	150	270	10	203	B	8,85

621TBI

Screwdriver TBI with TX profile

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: ergonomic shape
- three component material
- hanging hole



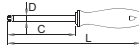
Barcode	Profile	C	L	D	Head	Handle	Weight
611722	TX 6	60	145	3	34	B	3,34
611723	TX 7	60	145	3	34	B	3,34
611724	TX 8	60	145	3	34	B	3,34
611725	TX 9	60	145	3	34	B	3,34
611726	TX 10	80	165	3	35	B	3,34
611727	TX 15	80	165	3	37	B	3,67
611728	TX 20	100	185	4	43	B	3,86
611729	TX 25	100	200	4.5	63	B	4,72
611730	TX 27	115	215	5.5	76	B	5,17
611731	TX 30	115	225	6	98	B	6,07
611732	TX 40	130	250	7	130	B	7,40
611733	TX 45	130	250	8	148	B	7,79



621CR

Screwdriver CR with TX profile

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: ergonomic shape
- handle - polypropylene
- hanging hole

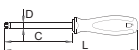


Barcode	Star	C	L	D	Icon	Box	Price
616379	TX 6	60	145	3	34	B	2,49
616380	TX 7	80	165	3	34	B	2,49
616381	TX 8	80	165	3	34	B	2,49
616382	TX 9	80	165	3	34	B	2,49
616383	TX 10	80	165	3	35	B	2,49
616384	TX 15	80	165	3.5	37	B	2,59
616385	TX 20	100	185	4	43	B	2,82
616386	TX 25	100	185	4.5	63	B	3,04
616387	TX 27	115	215	5.5	76	B	3,67
616388	TX 30	115	215	6	98	B	3,99
616389	TX 40	130	240	7	130	B	5,28

621/TBI

Screwdriver TBI with TX profile and hole

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: ergonomic shape
- three component material
- hanging hole



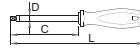
Barcode	Star	C	L	D	Icon	Box	Price
611734	TR 10	80	165	3	35	B	7,86
611735	TR 15	80	165	3.5	37	B	8,17
611736	TR 20	100	185	4	43	B	8,32
611737	TR 25	100	200	4.5	63	B	9,91
611738	TR 27	115	215	5.5	76	B	12,46
611739	TR 30	115	225	6	98	B	13,27
611740	TR 40	130	250	7	130	B	15,37



622TBI

Square screwdriver TBI

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blade chrome plated, blackened tip
- handle: ergonomic shape
- three component material
- hanging hole

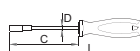


Barcode	Star	C	L	D	Icon	Box	Price
612807	SQ 1	90	175	4	41	B	4,78
612808	SQ 2	100	200	5.5	71	B	6,12
612809	SQ 3	100	200	5.5	73	B	7,93

629TBI

Socket wrench with TBI handle

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blade chrome plated
- handle: ergonomic shape
- three component material
- hanging hole
- made according to standard DIN 3125



Barcode	Star	C	L	D	Icon	Box	Price
612820	4	125	225	5	73	B	8,32
612821	4.5	125	225	5	73	B	8,32
611746	5	125	235	5	92	B	8,33
612672	5.5	125	235	6	103	B	8,33
611747	6	125	235	6	103	B	8,33
611748	7	125	245	6	123	B	9,37
611749	8	125	245	7	140	B	9,46
611750	9	125	245	8	155	B	9,56
611751	10	125	245	8	157	B	9,80
611752	11	125	245	8	166	B	10,80
611753	12	125	245	9	184	B	11,76
611754	13	125	245	9	186	B	12,17
612825	14	125	245	9	193	B	12,80
612826	15	125	245	9	185	B	13,44
612827	16	125	245	9	181	B	13,75
612828	17	125	245	9	210	B	14,56

629CS5TBI

Set of socket wrenches with TBI handle



Barcode	Nº	Icon	Box	Price
612318	629CS5TBI 6 - 13 / 5	881	G	51,51

629TBI (6, 8, 10, 12, 13)

629CR

Socket wrench with CR handle

- blade: chrome-vanadium-molybdenum steel, entirely hardened and tempered
- blade chrome plated
- handle: ergonomic shape
- handle - polypropylene
- hanging hole
- made according to standard DIN 3125



Barcode	Star	C	L	D	Icon	Box	Price
616405	4.5	125	225	5	73	B	6,62
616406	5	125	225	5	92	B	6,62
616407	5.5	125	225	6	103	B	6,62
616408	6	125	225	6	103	B	6,62
616409	7	125	235	6	123	B	7,33
616410	8	125	235	7	140	B	7,43
616411	10	125	235	8	157	B	7,79
616412	11	125	235	8	166	B	8,26
616413	12	125	245	9	184	B	9,27
616414	13	125	245	9	186	B	9,77
616415	14	125	245	9	193	B	11,76
616418	17	125	245	9	210	B	13,62

600CS5TBI

Set of screwdrivers TBI with hexagon bolster



Barcode	Nº	Icon	Box	Price
614007	600CS5TBI 5	475	G	27,28

605TBI (0.8 x 4.0 x 100),
600TBI (1.0 x 5.5 x 100,
1.2 x 6.5 x 125),
616TBI (PH 1 x 80, PH 2 x 100)

606B5NI

Set of screwdrivers NI



Barcode	Nº	Icon	Box	Price
617033	606B5NI 5	380	G	10,31

605NI (0.4 x 2.0 x 60, 0.5 x 3.0 x 80,
0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150)

606CS5TBI

Set of screwdrivers TBI

—



Barcode	Nº	Hand	Person	Truck	Weight
616320	606CS5TBI	5	500	G	24,19
605TBI (0.5 x 3.0 x 80, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150, 1.2 x 8.0 x 175)					

608CS5TBI

Set of screwdrivers TBI

++



Barcode	Nº	Hand	Person	Truck	Weight
612326	608CS5TBI	5	546	G	24,88
615TBI (PH 0 x 60, PH 1 x 80, PH 2 x 100, PH 3 x 150), 625TBI (PZ 2 x 100)					

607CS7TBI

Set of screwdrivers TBI

— +



Barcode	Nº	Hand	Person	Truck	Weight
611986	607CS7TBI	7	650	G	33,86
605TBI (0.5 x 3.0 x 80, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150, 1.2 x 8.0 x 175), 615TBI (PH 1 x 80, PH 2 x 100)					

606CS5CR

Set of screwdrivers CR

—



Barcode	Nº	Hand	Person	Truck	Weight
617017	606CS5CR	5	475	G	16,39
605CR (0.5 x 3.0 x 80, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150, 1.2 x 8.0 x 175)					

607B5CR

Set of screwdrivers CR

— +



Barcode	Nº	Hand	Person	Truck	Weight
617021	607B5CR	5	400	G	13,98
605CR (0.4 x 2.5 x 75, 0.8 x 4.0 x 100, 1.2 x 6.5 x 150), 615CR (PH 1 x 80, PH 2 x 100)					

607CS7CR

Set of screwdrivers CR

— +



Barcode	Nº	Hand	Person	Truck	Weight
617026	607CS7CR	7	700	G	25,20
605CR (0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150, 1.2 x 8.0 x 175), 615CR (PH 1 x 80, PH 2 x 100, PH 3 x 150)					

608CS5CR

Set of screwdrivers CR

+



Barcode	Nº	Hand	Person	Truck	Weight
617028	608CS5CR	5	630	G	21,16
615CR (PH 0 x 60, PH 1 x 80, PH 2 x 100, PH 3 x 150, PH 4 x 200)					

607B5NI

Set of screwdrivers NI

— +



Barcode	Nº	Hand	Person	Truck	Weight
617037	607B5NI	5	400	G	11,54
605NI (0.5 x 3.0 x 80, 0.8 x 4.0 x 100, 1.2 x 6.5 x 150), 615NI (PH 1 x 80, PH 2 x 100)					

607PB8TBI

Set of screwdrivers TBI in plastic box

— +
+

• Dimension of box: 307 x 260 x 55



Barcode	Nº	Hand	Person	Truck	Weight
621445	607PB8TBI	8	1060	G	60,77
602TBI (0.5 x 3.0 x 100), 605TBI (0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150), 615TBI (PH 1 x 80, PH 2 x 100), 625TBI (PZ 1 x 80, PZ 2 x 100), 981PBS2 (307 x 260 x 55)					

608CS5NI

Set of screwdrivers NI

++



Barcode	Nº	Hand	Person	Truck	Weight
617041	608CS5NI	5	485	G	14,13
615NI (PH 0 x 60, PH 1 x 80, PH 2 x 100, PH 3 x 150), 625NI (PZ 2 x 100)					

607CS5TBI

Set of screwdrivers TBI

— +



Barcode	Nº	Hand	Person	Truck	Weight
611985	607CS5TBI	5	470	G	23,86
605TBI (0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150), 615TBI (PH 1 x 80, PH 2 x 100)					

607PB9TBI

Set of screwdrivers TBI in plastic box

• Dimension of box: 307 x 260 x 55



621419	607PB9TBI	9	1030	G	67,47
	605TBI	(0.5 x 3.0 x 80, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150),			
	615TBI	(PH 1 x 80, PH 2 x 100),			
	625TBI	(PZ 0 x 60, PZ 1 x 80, PZ 2 x 100),			
	981PBS2	(307 x 260 x 55)			

607S50CR

Set of screwdrivers CR on display stand



617027	607S50CR	50	4960	F	216,61
	605CR	(0.5 x 3.0 x 80, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150, 1.2 x 8.0 x 175),			
	615CR	(PH 0 x 60, PH 1 x 80, PH 2 x 100),			
	625CR	(PZ 1 x 80, PZ 2 x 100),			
	978BICR	(330 x 205 x 206)			

607S50TBI

Set of screwdrivers TBI on display stand



612000	607S50TBI	50	5535	F	295,80
	605TBI	(0.5 x 3.0 x 80, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150, 1.2 x 8.0 x 175),			
	615TBI	(PH 0 x 60, PH 1 x 80, PH 2 x 100),			
	625TBI	(PZ 1 x 80, PZ 2 x 100),			
	978BICR	(330 x 205 x 206)			

609CS5TBI

Set of screwdrivers TBI



611987	609CS5TBI	5	475	G	23,30
	605TBI	(0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150),			
	625TBI	(PZ 1 x 80, PZ 2 x 100)			

609CS7CR

Set of screwdrivers CR



617030	609CS7CR	7	681	G	24,98
	605CR	(0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150, 1.2 x 8.0 x 175),			
	625CR	(PZ 1 x 80, PZ 2 x 100, PZ 3 x 150)			

621CS7TBI

Set of screwdrivers TBI with TX profile



612300	621CS7TBI	TX 10 - TX 40 / 7	580	G	34,24
	621TBI	(TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40)			

621CS7CR

Set of screwdrivers CR with TX profile



617031	621CS7CR	TX 10 - TX 40 / 7	535	G	23,88
	621CR	(TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40)			

621/1CS7TBI

Set of screwdrivers TBI with TX profile and hole



612308	621/1CS7TBI	TR 10 - TR 40 / 7	595	G	75,36
	621/1TBI	(TR 10, TR 15, TR 20, TR 25, TR 27, TR 30, TR 40)			

629CS7CR

Set of socket wrenches with CR handle

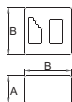


617032	629CS7CR	6 - 17 / 7	1240	G	66,25
	629CR	(6, 8, 10, 12, 13, 14, 17)			

633

Magnetizer/demagnetizer

- material: ABS
- blue colour



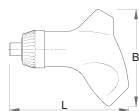
612866	52	30	91	E	11,61
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635

Ratchet handle

- handle - polypropylene
- handle can be used with all hexagonal - 6mm screwdriver blades
- ergonomically designed handle enables maximum torque
- quicker and safer replacement of screwdriver blades
- exact and quick turning in clockwise and anticlockwise directions
- possible to lock the ratchet



618851	6	85	100	188	E	46,73
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635SL

Slotted reversible blade for 635

- material: chrome-vanadium-molybdenum steel
- colored tips screwdriver blade enable quick blade selection



618852	0.6 x 3.5 - 0.8 x 4.5	150	6	40	E	7,95
618853	0.8 x 4.0 - 1.0 x 6.0	150	6	41	E	7,95
618854	1.0 x 5.5 - 1.2 x 6.5	150	6	42	E	7,95

635SLPH

Combined slotted-crosstip reversible blade for 635

- material: chrome-vanadium-molybdenum steel
- colored tips screwdriver blade enable quick blade selection



618855	0.8 x 4.0 PH 1	150	6	40	E	7,95
618856	1.0 x 6.0 PH 2	150	6	41	E	7,95
618857	1.2 x 6.5 PH 3	150	6	41	E	7,95

635PH

Crosstip reversible blade for 635

- material: chrome-vanadium-molybdenum steel
- colored tips screwdriver blade enable quick blade selection



618858	PH 1 x PH 2	150	6	40	E	7,98
618859	PH 2 x PH 3	150	6	42	E	7,98

635PZ

Double-Crosstip reversible blade for 635

- material: chrome-vanadium-molybdenum steel
- colored tips screwdriver blade enable quick blade selection



618860	PZ 1 - PZ 2	150	6	40	E	7,98
618861	PZ 2 - PZ 3	150	6	41	E	7,98

635HX

Combined hexagon and ball end hexagon reversible blade for 635

- material: chrome-vanadium-molybdenum steel
- colored tips screwdriver blade enable quick blade selection
- ball-end tip enables work at angles up to 25°



618862	2.5 - 2.5	150	39	E	7,98
618863	3 - 3	150	40	E	8,47
618864	4 - 4	150	40	E	8,47
618865	5 - 5	150	42	E	8,47
618866	6 - 6	150	43	E	8,47

635TX

Reversible blade with TX profile for 635

- material: chrome-vanadium-molybdenum steel
- colored tips screwdriver blade enable quick blade selection



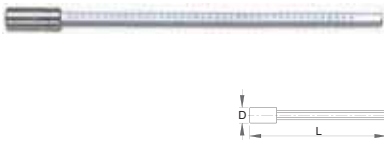
618867	TX 6 - TX 8	150	6	38	E	8,97
618868	TX 7 - TX 9	150	6	39	E	8,97
618869	TX 10 - TX 15	150	6	40	E	8,97
618870	TX 20 - TX 25	150	6	40	E	8,97
618871	TX 30 - TX 40	150	6	43	E	8,97











635Bits

Reversible blade for bits for 635

- material: chrome-vanadium-molybdenum steel
- with magnet

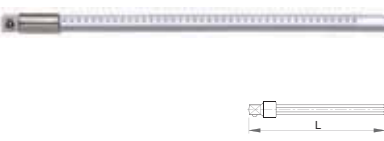


		D	L				
618872	 1/4" (6.3)	12	164	6	53		7,98

635Soc

**Reversible blade for socket
1/4" for 635**

- *material: chrome-vanadium-molybdenum steel*















		L				
618873		1/4"	164	6	51	E 8,30

635PB

Tool set with reversible blades and ratchet handle

- *Dimension of box: 197 x 167 x 47*
















	Nº				
619967	635PB	 6	510		99,36
 635 (6 x 100),					
 635SL (0.8 x 4.0 - 1.0 x 6.0),					
 635PH (PH 1 x PH 2),					
 635PZ (PZ 1 - PZ 2),					
 635TX (TX 20 - TX 25, TX 30 - TX 40),					
981PBM1 (197 x 167 x 47)					

637SL

Slotted offset screwdriver

- centre handle covered with impact proof plastic
- for working in confined spaces
- blade: blackened
- made according to standard DIN 5200

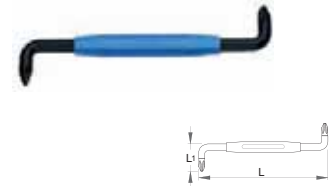










			L	L1			
618773		0.6 x 3.5	90	12	8	A	3,43
618774		0.8 x 4.0	100	13	11	A	3,63
618775		1.0 x 5.5	125	16	27	A	3,38
618776		1.2 x 6.5	125	20	38	A	3,77
618777		1.2 x 8.0	150	25	66	A	4,83
618778		1.6 x 10.0	175	33	104	A	7,31
618779		2.0 x 12.0	200	37	147	A	8,64

637PH

Crosstip offset screwdriver

- centre handle covered with impact proof plastic
- for working in confined spaces
- blade: blackened
- made according to standard DIN 5208











		L	L1			
618780	 PH 1 - PH 2	125	20	29	A	3,13
618781	 PH 2 - PH 3	150	29	72	A	4,47
618782	 PH 3 - PH 4	200	35	138	A	6,81

637PZ

Double-crosstip offset screwdriver

- centre handle covered with impact proof plastic
- for working in confined spaces
- blade: blackened
- made according to standard DIN 5208



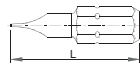
		L	L1			
618783		PZ 1 - PZ 2	125	20	29	A 2,83
618784		PZ 2 - PZ 3	150	29	72	A 4,18
618785		PZ 3 - PZ 4	200	35	138	A 6,51

6460C6,3

Slotted bit



- material: special tool steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders
- made according to standard ISO 2351



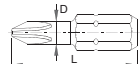
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602371	0.5 x 4.0	25	9	E		4,25
602372	0.6 x 3.5	25	10	E		4,25
602373	0.6 x 4.5	25	10	E		4,25
602374	0.8 x 4.0	25	9	E		4,25
602375	0.8 x 5.5	25	11	E		4,25
602376	1.0 x 5.5	25	10	E		4,25
602377	1.2 x 6.5	25	11	E		4,25
602378	1.2 x 8.0	25	12	E		4,62

6463C6,3

Crosstip (PH) bit



- material: special tool steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders
- made according to standard ISO 2351



Barcode	+	D	L	Icon	Icon	Price
602388	PH 0	3	25	9	E	3,53
602389	PH 1	4.5	25	10	E	3,53
602390	PH 2	6	25	10	E	3,53
602391	PH 3	8	25	12	E	3,53

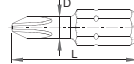


6463TINC6,3

Crosstip (PH) bit



- material: special tool steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders
- titanium coated
- made according to standard ISO 2351



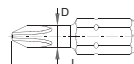
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604691	PH 1	4.5	25	10	E	7,78
604692	PH 2	6	25	10	E	7,78
604693	PH 3	8	25	10	E	7,78

6464C6,3

Crosstip (PH) bit



- material: special tool steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders
- made according to standard ISO 2351



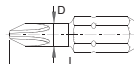
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602392	PH 3	8	32	14	E	6,53
602393	PH 4	10	32	16	E	7,07

6465C6,3

Crosstip (PH) bit



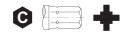
- material: special tool steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders
- made according to standard ISO 2351



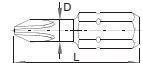
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602394	PH 1	4.5	50	13	E	6,05
602395	PH 2	6	50	16	E	6,05
602396	PH 3	8	50	22	E	6,05

6466C6,3

Double-crosstip (PZ) bit



- material: special tool steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders
- made according to standard ISO 2351



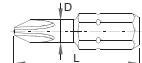
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602397	PZ 1	4.5	25	10	E	3,53
602398	PZ 2	6	25	10	E	3,53
602399	PZ 3	8	25	11	E	3,53

6466TINC6,3

Double-crosstip (PZ) bit



- material: special tool steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders
- titanium coated
- made according to standard ISO 2351



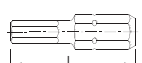
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604694	PZ 1	4.5	25	10	E	7,78
604695	PZ 2	6	25	10	E	7,78
604696	PZ 3	8	25	10	E	7,78

6469C6,3

Hex socket bit



- material: special tool steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders
- made according to standard ISO 2351



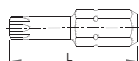
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602400	2.5	25	9	E		4,15
602401	3	25	9	E		4,15
602402	4	25	10	E		4,15
602403	5	25	12	E		4,15
602404	6	25	12	E		4,15

6472C6,3

TX profile bit



- material: special tool steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders



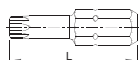
Barcode	Star	L	Icon	Icon	Icon
602405	TX 6	25	9	E	4,89
602406	TX 7	25	9	E	4,89
602407	TX 8	25	9	E	4,89
602408	TX 9	25	9	E	4,89
602409	TX 10	25	9	E	4,89
602410	TX 15	25	9	E	4,89
602411	TX 20	25	10	E	4,89
602412	TX 25	25	10	E	4,89
621283	TX 27	25	10	E	4,91
621284	TX 30	25	10	E	4,91
621285	TX 40	25	10	E	4,91

6472TINC6,3

TX profile bit



- material: special tool steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders
- titanium coated



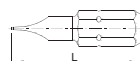
Barcode	Star	L	Icon	Icon	Icon
604699	TX 10	25	12	E	7,10
604700	TX 15	25	10	E	7,10
604701	TX 20	25	10	E	7,10
604702	TX 25	25	10	E	7,10
604825	TX 30	25	10	E	7,10

6480C8

Slotted bit



- material: special tool steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders
- made according to standard ISO 2351



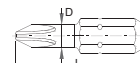
Barcode	a x b	L	Icon	Icon	Icon
602414	1.0 x 5.5	41	15	E	6,66
602415	1.2 x 6.5	41	18	E	6,66
602416	1.2 x 8.0	41	20	E	6,66
602417	1.6 x 8.0	41	19	E	6,66
602418	1.6 x 10.0	41	24	E	8,50
602419	2.0 x 12.0	41	27	E	10,60

6483C8

Crosstip (PH) bit



- material: special tool steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders
- made according to standard ISO 2351



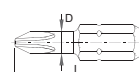
Barcode	Plus	D	L	Icon	Icon
602422	PH 1	4.5	32	13	E 6,36
602423	PH 2	6	32	14	E 6,36
602424	PH 3	8	32	16	E 6,36

6484C8

Crosstip (PH) bit



- material: special tool steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders
- made according to standard ISO 2351



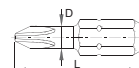
Barcode	Plus	D	L	Icon	Icon
602425	PH 4	10	38	22	E 8,67

6486C8

Double-crosstip (PZ) bit



- material: special tool steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders
- made according to standard ISO 2351



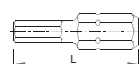
Barcode	Plus	D	L	Icon	Icon
602426	PZ 1	4.5	32	13	E 6,36
602427	PZ 2	6	32	14	E 6,36
602428	PZ 3	8	32	16	E 6,36

6489C8

Hex socket bit



- material: special tool steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders
- made according to standard ISO 2351



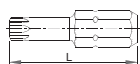
Barcode	Hex	L	Icon	Icon	Icon
602429	3	30	13	E	5,95
602430	4	30	13	E	5,95
602431	5	30	14	E	5,95
602432	6	30	16	E	5,95
602433	7	30	17	E	5,95
602434	8	30	18	E	5,95
602435	10	30	22	E	6,66

6492C8

TX profile bit



- material: special tool steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders



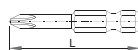
Barcode	Star	L	D	Icon	Price
605518	TX 20	30	13	E	5,71
602436	TX 25	30	13	E	5,71
602437	TX 27	30	13	E	5,71
602438	TX 30	30	14	E	5,71
602439	TX 40	30	15	E	5,71
602440	TX 45	30	16	E	5,71
602441	TX 50	30	18	E	5,71

6503E6,3

Crosstip (PH) bit



- material: special tool steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders
- made according to standard ISO 2351



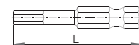
Barcode	Plus	D	L	Icon	Price
602519	PH 1	4.5	50	E	6,66
602520	PH 2	6	50	E	6,66
602521	PH 3	8	50	E	6,66

6509E6,3

Hex socket bit



- material: special tool steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders
- made according to standard ISO 2351



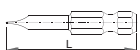
Barcode	Hex	L	D	Icon	Price
602525	2.5	50	13	E	5,95
602526	3	50	14	E	5,95
602527	4	50	16	E	5,95
602528	5	50	17	E	5,95
602529	6	50	18	E	5,95

6500E6,3

Slotted bits



- material: special tool steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders
- made according to standard ISO 2351



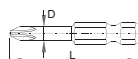
Barcode	a x b	L	D	Icon	Price
602510	0.5 x 3.0	50	19	E	6,46
602511	0.5 x 4.0	50	14	E	6,46
602512	0.6 x 3.5	50	13	E	6,46
602513	0.6 x 4.5	50	14	E	6,46
602514	0.8 x 4.0	50	13	E	6,46
602515	0.8 x 5.5	50	15	E	6,46
602516	1.0 x 5.5	50	16	E	6,46
602517	1.2 x 6.5	50	17	E	6,46
602518	1.2 x 8.0	50	19	E	7,89

6506E6,3

Double-crosstip (PZ) bit



- material: special tool steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders
- made according to standard ISO 2351



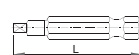
Barcode	Plus	D	L	Icon	Price
602522	PZ 1	4.5	50	E	6,66
602523	PZ 2	6	50	E	6,66
602524	PZ 3	8	50	E	6,66

6515E6,3

Square (SQ) bit



- material: special tool steel
- long durability
- anti-corrosion protection
- for hand and power drivers
- combined with different magnetic and non-magnetic bit holders



Barcode	Square	L	D	Icon	Price
603417	SQ 1	75	22	E	9,07
603418	SQ 2	75	23	E	9,07
603419	SQ 3	75	23	E	9,07



6715E6,3

Bits adaptor E6, 3 (1/4")



603028	E6.3 (1/4")	77	32	E	5,22
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6762

Impact screwdriver set

• Dimension of box: 197 x 105 x 38

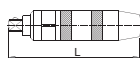


605061	6762	14	1249	G	65,46
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6480C8 (1.2 x 6.5 x 41, 1.6 x 8.0 x 41, 2.0 x 12.0 x 41),
 6483C8 (PH 2, PH 3),
 6484C8 (PH 4), 6489C8 (5, 6),
 6492C8 (TX 25, TX 30, TX 40, TX 20),
 6762.1 (1/2" x 144),
 6762.2 (1/2" - 5/16")

6762.1

Impact screwdriver



605062	1/2"	144	661	E	24,49
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6762.2

Adaptor 1/2" - 5/16"



605063	1/2" - 5/16"	37	60	E	4,37
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6776PB21

Bits set in plastic box

• Dimension of box: 145 x 85 x 40



621650	6776PB21	21	240	G	38,88
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6460C6,3 (0.5 x 4.0, 1.2 x 6.5),
 6466C6,3 (PZ 1, PZ 2, PZ 3),
 6472C6,3 (TX 8, TX 9, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40),
 6469C6,3 (3, 4, 5, 6),
 6463C6,3 (PH 1, PH 2),
 6715E6,3 (E6.3 (1/4"))

6777

Bits box



605526	6777	10	120	S	19,92
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6460C6,3 (0.5 x 4.0, 0.8 x 5.5, 1.2 x 6.5),
 6463C6,3 (PH 1, PH 2, PH 3),
 6466C6,3 (PZ 1, PZ 2, PZ 3),
 6715E6,3 (E6.3 (1/4"))

6778

Bits box



605527	6778	TX 10 - TX 25 / 18	195	S	35,86
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6460C6,3 (0.5 x 4.0, 0.8 x 5.5, 1.2 x 6.5),
 6463C6,3 (PH 1, PH 2, PH 3),
 6466C6,3 (PZ 1, PZ 2, PZ 3),
 6469C6,3 (3, 4, 5, 6),
 6472C6,3 (TX 10, TX 15, TX 20, TX 25),
 6715E6,3 (E6.3 (1/4"))

6778/2A

Bits box



603768	6778/2A	6	50	S	8,66
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6460C6,3 (0.5 x 4.0, 0.8 x 5.5, 1.2 x 6.5),
 6463C6,3 (PH 1, PH 2, PH 3)

6778/5A

Bits box



603771	6778/5A	10	70	S	12,66
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6463C6,3 (PH 1, PH 2, PH 3)

6778/8A

Bits box



603774	6778/8A	TX 8 - TX 25 / 10	60	S	17,19
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6472C6,3 (TX 8, TX 9, TX 10, TX 15, TX 20, TX 25)

Pullers

A special procedure for the manufacture of pullers



HEAD (BODY)

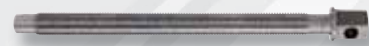
1. **Cutting:** flat steel is cut into the appropriate shape using a machine; the accuracy of the cutting ensures minimum consumption of quality material.
2. **Forging:** forged parts are made using drop forging technology. Drop forging enables a diversity of ergonomic product shapes. The appropriate course of fibres, already present in the rolled blanks, is maintained with the appropriate forging processes.
3. **Trimming:** removing superfluous materials.
4. **Cnc working:** a CNC machine is used to accurately work the head of the puller, which ensures smooth movement of the small handles.
5. **Threading:** the accurate threading of the internal trapezoid thread ensures the smooth movement of the spindle and thus enables rapid adjustment when using the puller.
6. **Heat treatment (quenching and tempering):** heat treatment with hardening and tempering is intended to improve the structure of the steel, to provide increased hardness and toughness of the product and other properties required to overcome the strain that the work with such products requires.
7. **Sanding:** cleaning the surface before chroming is important for the sake of quality and durable surface protection.
8. **Chroming:** the head of the puller is plated with a thin, hard coating of chromium oxide, which protects against corrosion and wear and other mechanical damage. At the same time, it gives the entire Unior puller a glossy appearance.

SPINDLE

9. **Forging part:** the forging part is made by warm upsetting, which provides the shape of the spindle head
10. **Cnc working:** the CNC machine is used to accurately work the spindle that is the basis for thread rolling.
11. **Thread rolling:** is carried out on a special machine with special rollers. The resulting trapezoid thread is intended for use under greater strain.
12. **Heat treatment (quenching and tempering):** the heat treatment with hardening and tempering is intended to improve the structure of the steel, to provide increased hardness and toughness and other properties required to overcome the strain that work with such products requires.
13. **Sanding:** cleaning the surface before burnishing is important for the sake of quality and durable surface protection.
14. **Burnishing:** giving the spindle the appropriate, professional appearance and, together with the right oil, also providing the required surface protection.

SMALL HANDLE

15. **Hole broaching:** internal broaching is performed in two stages. A hole size is obtained that enables the smooth and optimum movement of the small handles along the head of the puller.
16. **Cnc working:** of the small handles provides accuracy and thus improves the functioning of the entire product.



17. Heat treatment (quenching and tempering):

heat treatment with hardening and tempering is intended to improve the structure of the steel, to improve the hardness and toughness of the product and other properties required to overcome the strain that work with such products requires.

18. Sanding: cleaning the surface before chroming is important for the sake of quality and durable surface protection.

19. Chroming: the handle of the puller is plated with a thin, hard coating of chromium oxide, which protects against corrosion and wear and other mechanical damage. At the same time, it gives the entire Unior puller a glossy appearance.

ASSEMBLY

20. Final assembly: the trained, skilled and meticulous workers performing the final assembly assemble the product into a solid whole that ensures the functioning and high quality of the Unior puller.

**Extra durability**

Unior pullers, available with two, three or five adjustable arms, with a sliding hammer or pulling chuck, or in several other versions, are made of carbon tool steel. The special forging process guarantees their extra durability.

**Easy to use**

Unior pulling systems enable safe and effective removal of bearings, bushings and sprockets. All pullers are easy to use, flexible and extremely long-wearing.



2 - legs pullers

204 - 205



3 - legs pullers

205 - 206



5 - legs pullers and extractor

206 - 207



Separators, homokinetic, pullers for cars

207 - 211

**Features of Unior's pullers**

- surface finish of spindle: burnished
- spindle entirely hardened tempered
- material: carbon tool steel
- arms adjustable in two positions arms
- body, screw drop forged
- surface finish of arms zinc plated



689/2BI

Inner bearing puller

- material: special tool steel
- ergonomic heavy duty double component handle
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered
- It is used for pulling different types of bearings. The bearing is gripped from the inside side and pulled out.
- the bearing is extract with a 1 kg weight
- Set includes 6 pcs of Arm for inner bearing Dimensions 7-9, 10-12, 12-15, 17-22, 22-28, 30-36



	D1	D2	D2	L	L			
622587	52	7	36	495	555	3300	F	226,27

689.1/4

Arm for 689/2BI

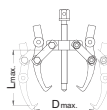


	D	L	S			
623089	7 - 9	81	14	45	E	16,73
623090	10 - 12	83	14	51	E	16,78
623091	12 - 15	92	14	67	E	16,95
623092	17 - 20	102,5	14	136	E	23,20
623093	22 - 28	125	17	276	E	27,66
623094	30 - 36	140	22	500	E	37,48

680/5

Puller with two adjustable arms

- material: special tool steel
- drop forged, entirely hardened and tempered
- surface finish: zinc plated to standard DIN EN 12329, screw blackened
- arms adjustable in two positions
- lever action claws fit closely under the part to be removed



	Nº	L	D			
612603	0	90	90	405	H	33,81



	Nº	L	D			
601762	1	160	130	915	H	45,98
601763	2	230	190	1905	H	79,77
601764	3	300	250	4075	H	108,45

680/5MS

Set of pullers with two adjustable arms



	Nº					
612655	680/5MS	4	10153	F		295,23
	680/5 (0 x 90 x 90, 1 x 160 x 130, 2 x 230 x 190, 3 x 300 x 250), 980P2 (240 x 200 x 430)					

680.1/4

Spindle

- material: special tool steel
- drop forged, entirely hardened and tempered
- surface finish: blacken

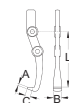


	M	L	S			
623062	Tr 10 x 1,5	114	14	75	E	6,34
623063	Tr 14 x 2	173	17	195	E	8,03
623064	Tr 18 x 2	239	22	510	E	10,89
623065	Tr 26 x 3	311	32	1270	E	27,08

680.2/5

Arm

- material: special tool steel
- drop forged, entirely hardened and tempered
- surface finish: zinc plated to standard DIN EN 12329



	L	A	B	C			
623069	70	2,6	10	7,5	56	E	3,52
623070	105	3,5	15,5	10	155	E	4,51
623071	170	6,5	19	20	352	E	7,27
623072	220	7	22	22,5	700	E	14,07

681/5

Puller with two sliding arms

- material: special tool steel
- drop forged, entirely hardened and tempered
- surface finish: zinc plated to standard DIN EN 12329, screw blackened
- sturdy design for very heavy duty work
- by reversing the arms, the puller can be used as internal or external puller



	Nº	B	D1	D2	L	⚖	🔧	📦
601765	300	280	70 - 220	110 - 260	150	3355	H	114,68
601766	400	450	110 - 360	190 - 450	200	8725	H	206,82

681.2/5

Arm

- material: special tool steel
- drop forged, entirely hardened and tempered
- surface finish: zinc plated to standard DIN EN 12329



	L	A	B	C	⚖	🔧	📦
623073	142	8	25	15	327	E	8,39
623074	180	13	40	24	768	E	16,55



682/5

Puller with three adjustable arms

- material: special tool steel
- drop forged, entirely hardened and tempered
- surface finish: zinc plated to standard DIN EN 12329, screw blackened
- arms adjustable in two positions
- lever action claws fit closely under the part to be removed



	Nº	L	D	⚖	🔧	📦
612604	0	90	90	305	H	44,70
601767	1	160	130	1725	H	55,08
601768	2	230	190	2570	H	91,86
601769	3	300	250	5100	H	134,94

682/5MS

Set of pullers with three adjustable arms



	Nº	🔧	⚖	🔧	📦
622805	682/5MS	4	11850	K	435,88
⚖ 682/5 (0 x 90 x 90, 1 x 160 x 130, 2 x 230 x 190, 3 x 300 x 250), 980P3A (283 x 329 x 428)					

683/2

Puller with two sliding arms

- material: special tool steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to EN12540, screw blackened
- lever action claws fit closely under the part to be removed



	Nº	L	D1	D2			
615076	60	90	65	50 - 90	325	H	49,60
615077	90	90	90	50 - 110	395	H	53,14
615078	130	140	130	80 - 140	1125	H	70,50
615079	180	140	180	80 - 180	1225	H	85,69
615080	250	195	250	130 - 250	4025	H	132,74
615081	350	195	350	130 - 350	4525	H	149,26

683/2MS

Set of pullers with two sliding arms



	Nº				
615082	683/2MS	6	13859	F	581,99

683/2 (60, 90, 130, 180, 250, 350), 980P2S (240 x 250 x 430)



683.1/4

Spindle

- material: special tool steel
- surface finish: blacken



	M	L	S			
623066	Tr 10 x 1,5	134	14	85	E	7,14
623067	Tr 14 x 2	201	17	250	E	9,19
623068	Tr 26 x 3	286	32	1180	E	19,68

683.2/2

Arm

- material: special tool steel
- drop forged, entirely hardened and tempered
- surface finish: chrome plated to standard EN 12540



	L	A	B	C			
623075	90	1,1	8	10	98	E	4,86
623076	140	2	12	15	240	E	9,55
623077	195	3	16	22	812	E	23,69

685/5

Universal extractor with sliding hammer

- material: special tool steel
- claws drop forged, entirely hardened and tempered
- jaw entirely hardened and tempered
- surface finish: zinc plated to standard DIN EN 12329, screw blackened
- used for inaccessible areas
- in set with arms, for small and large diameters
- ergonomic heavy duty double component handle



	D1	D2	L	L			
601771	30 - 80	120 - 180	125	600	2625	H	164,86

687/5

Puller with five adjustable arms

- material: special tool steel
- drop forged, entirely hardened and tempered
- surface finish: zinc plated to standard DIN EN 12329, screw blackened
- sturdy design for very heavy duty work

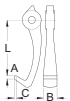


Barcode	L	D	Weight	Box	Price
602848	120	47	1015		109,95

687.2/5

Arm

- material: special tool steel
- drop forged, entirely hardened and tempered
- surface finish: zinc plated to standard DIN EN 12329



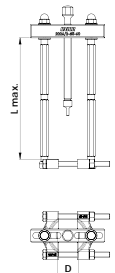
Barcode	L	A	B	C	Weight	Box	Price
623078	64	1	15,5	2,5	87		6,29



2026/2

Separator puller

- The separator puller is a tool designed to efficiently dismount various machine parts attached to shafts.
- It is indispensable for tasks requiring the safe and deformation-free dismantling of firmly fixed machine parts.
- The separator puller consists of a yoke, a spindle, two arms and a gripper assembly, which together allow uniform dismantling.
- Our product range includes three sizes of pullers used for taking off objects from shafts. They range from Ø5mm to Ø115mm.
- The separator puller is designed to allow easy and safe operation
- The separator is made of high quality steel.
- Surface finish of screws: burnished, other parts are chrome-plated



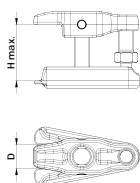
Barcode	D	L	Weight	Box	Price
619273	5 - 60	229	2160		139,84
619274	12 - 75	234	2930		152,51
619275	22 - 115	325	7180		245,30



2032/2

Ball joint puller

- material: special tool steel
- jaw capacity: 23mm
- maximal height: 53mm
- for extracting ball joints from steering wheel and suspensions
- Tool is primary used for steering wheel ball joints. Tool is fully adjustable to fit ball joint with jaw capacity 23mm.



619736	D	H	780	63,70
	23	53		

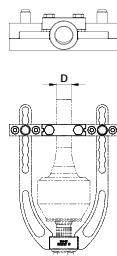
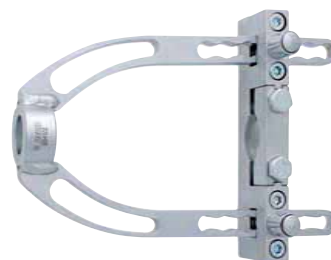
2041/2

Homokinetic joint puller

- The puller is used to dismount or repair homokinetic joints of various sizes. Before dismantling the joint, check whether the homokinetic joint can be dismantled. First, remove the top adjustable holder and then insert the joint through the ring and by mounting the top adjustable holder clamp the joint into the puller. The homokinetic joint includes a nut which can be used to screw in or dismount the joint. Before screwing in the nut, remove the circlip that is holding the upper and lower part of the joint. By simultaneously pressing two buttons, the holder can be adjusted to the suitable length of the joint.

Advantages:

the tool can be used on cars, it does not damage the joint, it saves time when dismantling the joint etc.



620232	D	2130	167,11
	18 - 36		

2038

Inner bearing race puller

- It is used to easily, quickly and cleanly remove inner bearings from the wheel hub. The tool is designed to remove the inner bearing race without the risk of any damage and without needing any additional tools such as files, hammers or cutters. The tool has 4 track bushes that are used to remove bearing races with diameters from Ø40 to Ø60 mm. The track bush clasps the bearing race

firmly and thus prevents any kind of slippage. The tool can be used for: Audi, BMW, Ford, Mercedes-Benz, Peugeot, Renault, Toyota, VW, etc.

- with 4 jaws; dimension 1 - from Ø40 to Ø45, dimension 2 - from Ø45 to Ø50, dimension 3 - from Ø50 to Ø55, dimension 4 - from Ø55 to Ø60



620228	3585	436,85

2051/4

Suspension compressor for shock absorber springs

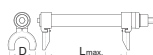
How it works:

1. Select the appropriate cup for your spring.
2. Place the remover on the spring.
3. START compressing the shock absorber spring.

- This Unior professional tool, under article number 2051, is intended for the removal of car shock absorbers and is mainly used to compress the springs in MacPherson struts. Since the number of versions of the MacPherson strut is always increasing, the tool set contains three different pairs of grippers that almost completely cover the range of different MacPherson struts.
- The tool set also includes a spacer bar for conical springs, which increases the

usefulness of the Shock Absorber Remover.

- Development of this tool took safety into account as the large forces involved in removing shock absorbers may present a risk of injury to the user.
- For this reason, all grippers in the set feature enlarged grip edges to firmly grip the spring in the tool thus prevent any possibility of slipping, which could injure the tool user. The recommended load for the tool is 9000 N.
- The maximum load for the tool is up to 37000 N.
- The tool is supplied in a durable PVC case that enables easier and safer transportation.
- in set 2 cups 80 - 115, 2 cups 110 - 150 in 2 cups 140 - 195



Barcode	L	mm	D	mm	Weight	Price
619279	300	21	80 - 195	14600	G	542,43

2052/4

Compressor for shock absorber springs, light version

- intended for the removal of car shock absorbers.
- the maximum load for the tool is up to 11000N
- UNIOR is already selling a suspension compressor for shock absorber springs (No. 2051), however, many smaller car repair shops do not need to use such a professional tool on a regular basis. This is where the light version comes in - it

functions the same as the tool under art. No 2051, but has recommended load for the tool 2750 N. To prevent any bending and the springs falling out of the cups, this tool features a safeguard that enables the parts of the tool used for removing to always operate in parallel.

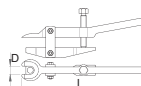


Barcode	mm	Weight	Price
619733	19	4070	G 229,02

686/5

Professional ball joint puller

- material: special tool steel
- drop forged, entirely hardened and tempered
- surface finish: zinc plated to standard DIN EN 12329, screw blackened
- for cars

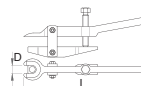


	D	L			
601772	16	260	925	H	53,50

686/5A

Professional ball joint puller

- material: special tool steel
- drop forged, entirely hardened and tempered
- surface finish: zinc plated to standard DIN EN 12329, screw blackened
- for trucks



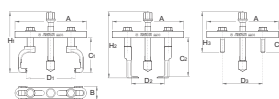
	D	L			
602369	18	260	1055	H	62,11

2208

Ribbed driver pulley puller

- The puller is used to dismount pulleys of various shapes, in particularly those used in passenger cars. The tool is suitable for pulleys with the following diameters: min. Ø45 mm; max. Ø235 mm. The puller is useful for effectively removing pulleys

from hard-to-reach areas, and especially without the risk of any damage to the pulley. The tool has two types of pulling paws, suitable for various types of pulleys.

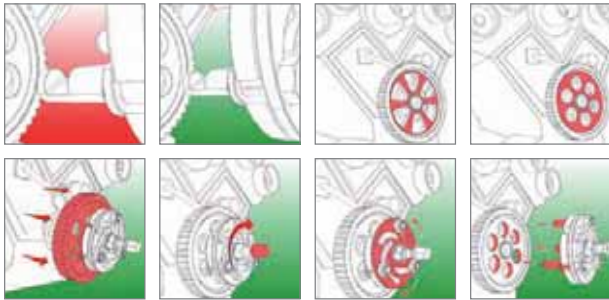
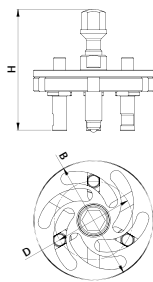


	A	B	C1	C2	C3	D1	D2	D3	H1	H2	H3			
620223	171	32	60 - 82.5	69 - 91	34	80 - 150	40 - 120	40 - 150	200	213	152	2340	G	225,29

2210/2

Timing pulley puller

- material: special tool steel
- entirely hardened and tempered
- surface finish: chrome plated according to EN12540, screw blackened
- This tool is designed for removing drive pulleys with face grooves. The tool removes a pulley absolutely free of any risk of damage. The tool is adaptable to different pulley diameters, as the legs are adjustable.
- for removing pulleys with 3, 6, 9 slots

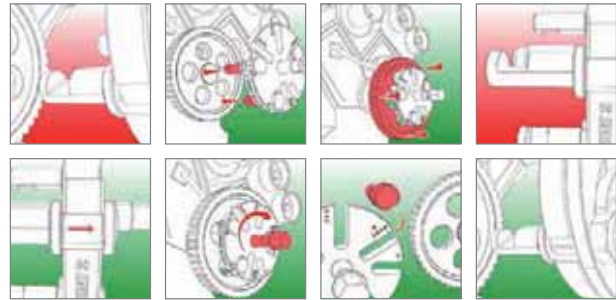
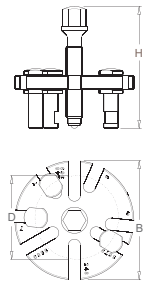


	B	D	H			
620226	100	48 - 82	135	1085	G	61,04

2210/2A

Universal timing pulley puller

- material: special tool steel
- entirely hardened and tempered
- surface finish: chrome plated according to EN12540, screw blackened
- for removing all types of pulleys with 2, 3, 4, 5, 6, 7, 8, 9 slots



	B	D	H			
621780	100	48 - 82	135	750	G	68,49



Hammers, punches and chisels

A special procedure for the manufacture of hammers

HAMMER

1. Cutting:

flat steel is cut into the right shape using a machine; the accuracy of the cutting ensures the minimum consumption of quality material.



2. Forging:

forging parts are made using drop forging technology. Drop forging allows diverse ergonomic product shapes. The appropriate course of the fibres, already present in the rolled blanks, is maintained using the appropriate forging processes.



3. Trimming:

removing superfluous materials.

4. Broaching:

the appropriate size of the hammer is achieved by broaching.



5. Induction hardening:

local heating and tempering of the hammer on the impact surface ensures a high degree of hardness for the functional part of the Unior hammer. By hardening, we can achieve the optimum microstructure and the required hardness, which ensures a long service life for the hammers.

6. Coating:

the surface is protected by electrostatic coating.



HANDLE

7. The handle is made using selected ash tree wood with the required characteristics in accordance with the DIN 68340 standard. It is protected with wax.

8. Tamponade:

making the blue inscription, which also reminds the user to handle the hammer correctly.

ASSEMBLY

9. Final assembly:

the trained, skilled and meticulous workers performing the final assembly will assemble the product into a solid whole that ensures the functioning and high quality of the Unior hammers.





Ergonomic design

Their most common use – driving nails – has long been propagated by various types of hammer and other striking tools. The range of original wooden-handle hammers was expanded by metal-handle tools, additionally insulated with a plastic case. Unior hammers have ergonomically designed plastic cases to improve the grip and ensure a safer use.



High quality material

Made of high quality carbon tool steel, Unior hammers have an induction hardened striking surface and peen. The superiority of the materials and state-of-the-art manufacture are two qualities distinguishing not only hammers, but also other Unior striking tools, such as forged chisels and various punches.



Precision

The purpose of general use hammers or mason's, framing, locksmith's, welding and other specific-use hammers is to effectively transfer active power to one precise target.



Locksmiths' hammer

214 - 216



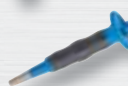
Sledge and club hammer

216



Bumping hammer

217 - 218



Punches

218 - 221



Chisels

221 - 223

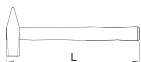


9 Locksmiths' hammer

812

Locksmiths' hammer

- material: special tool steel
- drop forged
- striking face and nose induction hardened
- surface finish: lacquered
- ash wood handle with special oval wedge
- made according to standard DIN 1041



Barcode	gr	L	Weight	Icon	Price
601796	100	260	145	C	7,26
601797	150	280	225	C	7,72
601799	200	280	280	C	8,06
601801	250	300	340	C	8,83
601802	300	300	380	C	9,49
601803	400	310	487	C	10,58
601804	500	320	625	C	11,37
601805	600	330	720	C	13,70
601806	800	350	955	C	16,04
601807	1000	360	1150	C	19,41
601808	1250	380	1430	C	24,95
601809	1500	380	1690	C	27,15
601810	2000	400	2195	C	29,11

812A

Locksmiths' hammer

- material: special tool steel
- drop forged
- striking face and nose induction hardened
- surface finish: lacquered
- ash wood handle with protective plastic sleeve and fitted with roll pin and oval wedge
- made according to standard DIN 1041

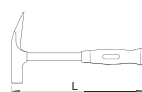


Barcode	gr	L	Weight	Icon	Price
602536	200	280	275	C	10,41
602537	300	300	380	C	12,34
602538	500	320	646	C	15,09
602539	800	350	960	C	20,01
603164	1000	360	1170	C	28,46

805A

Carpenters' hammer with magnet

- material: special tool steel
- drop forged
- striking face and nose induction hardened
- surface finish: lacquered
- chrome plated metal tubular handle with plastic grip
- made according to standard DIN 7239
- with magnet

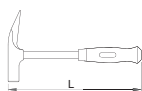


Barcode	gr	L	Weight	Icon	Price
605516	550	320	825	C	29,97

805

Carpenters' hammer

- material: special tool steel
- drop forged
- striking face and nose induction hardened
- surface finish: lacquered
- chrome plated metal tubular handle with plastic grip
- made according to standard DIN 7239



Barcode	gr	L	Weight	Icon	Price
601824	550	320	825	C	24,95

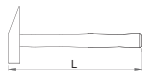




810

Masons' hammer with wooden handle

- material: special tool steel
- drop forged
- striking face and nose induction hardened
- surface finish: lacquered
- ash wood handle with special oval wedge

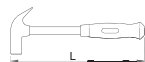


Barcode	gr	L	Weight	Price	Material
601826	700	320	880	16,83	

813

Claw hammer

- material: special tool steel
- drop forged
- striking face and nose induction hardened
- surface finish: lacquered
- chrome plated metal tubular handle with plastic grip



Barcode	gr	L	Weight	Price	Material
601828	500	300	725	28,62	

830

Welding hammer

- material: special tool steel
- drop forged
- striking face and nose induction hardened
- surface finish: lacquered
- ash wood handle with special oval wedge



Barcode	gr	L	Weight	Price	Material
601838	400	320	560	17,60	

806

Ball-pein hammer

- material: special tool steel
- drop forged
- striking face and nose induction hardened
- ash wood handle



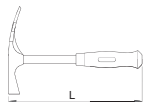
Barcode	gr	L	Weight	Price	Material
612221	340	323	470	13,59	
612222	454	348	605	15,51	
612223	680	398	960	19,63	
612224	910	398	1165	21,28	

9 Locksmiths` hammer

809

Masons` hammer

- material: special tool steel
- drop forged
- striking face and nose induction hardened
- surface finish: lacquered
- chrome plated metal tubular handle with plastic grip



Barcode	gr	L	Weight	Material	Price
601825	650	300	851	C	26,18

816

Sledge hammer

- material: special tool steel
- drop forged
- striking face and nose induction hardened
- surface finish: lacquered
- ash wood handle with special oval wedge
- made according to standard DIN 1042

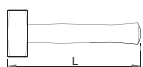


Barcode	gr	L	Weight	Material	Price
601812	3000	600	3395	C	41,35
601813	4000	700	4395	C	46,01
601814	5000	800	5595	C	53,48
601816	8000	900	8995	C	81,28

817

Club hammer

- material: special tool steel
- drop forged
- striking faces induction hardened
- surface finish: lacquered
- ash wood handle with special oval wedge
- made according to standard DIN 6475



Barcode	gr	L	Weight	Material	Price
601840	1000	260	1065	C	16,59
601841	1250	260	1305	C	18,96
601842	1500	280	1525	C	22,35
601843	2000	300	2050	C	27,04



818

Sledge hammer

- material: special tool steel
- drop forged
- striking faces induction hardened
- surface finish: lacquered
- ash wood handle with special oval wedge
- made according to standard DIN 6475

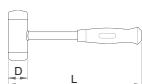


Barcode	gr	L	Weight	Material	Price
601844	3000	600	3455	C	36,49
601845	4000	700	4595	C	38,70
601847	5000	800	5720	C	43,97
601848	6000	800	6570	C	52,17
601849	8000	900	9195	C	61,55
601850	10000	900	10595	C	80,45

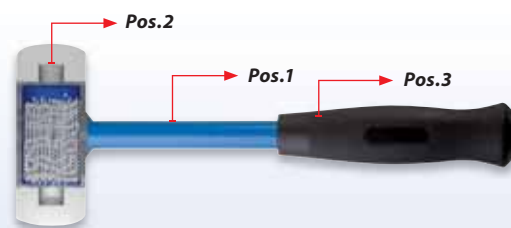
819A

Bumping hammer

- non rebound
- lacquered metal housing
- metal tubular handle lacquered, with plastic grip
- inserts polyurethane broad applications
- high security



Barcode	D	L	Weight	Icon	Price
615034	45	315	866	C	25,89



STRUCTURE AND MATERIAL:

- Hammer is composed of casing with handle (Pos. 1), accessory (Pos. 2), coil and filling
- Casing with handle is made of pipe (alloyed steel) which is distinguished with great tensile strength and is resistant to mechanical injuries and can take great strains. The surface is protected by powder lacquering which ensures that it is not sensitive for surface damages
- The accessory is made out of plastic substance which is distinguished by great resilience in all weather conditions and take great strains under blow pressure
- The coil is made of plastic material which feels pleasant to the touch and does not slip from the hand
- It is ergonomically shaped and thus enables a good grip.

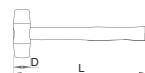
THE WAY OF USE:

- Hammer is used for hammering, adjustment, moving of different objects which must not be harmed. It has an advantage ahead of ordinary hammers with plastic accessory that it does not bounce on impact from surface and thus the impact of the hammer force is increased.

820

Bumping hammer

- material: celidor, hardness 60-70 shore D
- oil resistant
- gray cast head
- wooden handle, lacquered
- intended for working soft and easily damaged materials



Barcode	D	L	Weight	Icon	Price
601832	22	260	165	C	8,01
601833	27	280	245	C	9,39
601834	32	300	321	C	12,41
601835	40	320	565	C	17,03
601836	50	360	830	C	23,30
601837	60	380	1275	C	30,25

820.1

Spare head for 820



Barcode	D	Weight	Icon	Price
602530	22	15	E	2,03
602531	27	20	E	2,12
602532	32	29	E	2,60
602533	40	47	E	3,89
602534	50	74	E	5,75
602535	60	111	E	7,27

9 Bumping hammer

820A

Bumping hammer

- material: polyuretan, hardness 45 - 55 shore D
- oil resistant
- gray cast head
- wooden handle, lacquered
- very tough and unbreakable material that allows versatility of use



	D	L			
605491	22	260	160	C	7,63
605492	27	280	230	C	8,80
605493	32	300	335	C	11,66
605494	40	320	535	C	16,01
605495	50	360	870	C	21,80
605496	60	380	1285	C	28,35

820.1A

Spare head for 820A



	D			
605503	22	15	E	1,92
605504	27	20	E	2,00
605505	32	30	E	2,36
605506	40	45	E	3,59
605507	50	70	E	5,23
605508	60	113	E	6,89

640/6

Drift punch

- material: chrome vanadium
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered
- made according to standard DIN 6458



	D	L			
601702	1	120	64	B	2,73
601703	2	120	69	B	2,73
601704	3	120	70	B	2,73



	D	L			
601705	4	120	72	B	2,73
601706	5	120	73	B	2,73
601707	6	120	75	B	2,73
602665	7	120	104	B	2,94
601708	8	120	108	B	2,94
601709	10	120	139	B	2,94

640/6HS

Drift punch with handle

- material: chrome vanadium
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered
- ergonomic heavy duty double component handle
- made according to standard DIN 6458



	D	L			
619752	2	120	81	B	6,06
619753	3	120	81	B	6,06
619754	4	120	83	B	6,06
619755	5	120	85	B	6,06
619756	6	120	86	B	6,06
619757	8	120	90	B	6,06

640/6HSPB

Drift punches set in plastic box

- Dimension of box: 197 x 167 x 47



	Nº				
619999	640/6HSPB	2 - 8 / 6	685	G	45,56
	640/6HS (2, 3, 4, 5, 6, 8), 981PBM1 (197 x 167 x 47)				

641/6**Pin punch**

- material: chrome vanadium
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered
- made according to standard DIN 6450



	D	L			
601711	2	150	65	B	3,59
601712	3	150	44	B	3,59
601713	4	150	73	B	3,59
601714	5	150	73	B	3,59
601715	6	150	78	B	3,59
601716	7	150	108	B	3,59
601717	8	150	115	B	4,02
601719	10	150	126	B	4,02

641/6HS**Pin punch with handle**

- material: chrome vanadium
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered
- ergonomic heavy duty double component handle
- made according to standard DIN 6450



	D	L			
619759	2	150	81	B	6,58
619760	3	150	76	B	6,58
619761	4	150	79	B	6,58
619762	5	150	83	B	6,58
619763	6	150	86	B	6,58
619764	8	150	99	B	6,58

641/6HSPB**Set of pin punches with handle in plastic box**

- Dimension of box: 197 x 167 x 47



	Nº				
620066	641/6HSPB	2 - 8 / 6	680	G	48,69
641/6HS (2, 3, 4, 5, 6, 8), 981PBM1 (197 x 167 x 47)					

642/6**Centre punch**

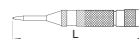
- material: chrome vanadium
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered
- made according to standard DIN 7250



	D	L			
601724	3	100	38	B	2,55
601725	4	120	700	B	2,73
601726	5	120	700	B	2,98

642A**Automatic centre punch**

- machine steel
- rugged self striking mechanism, activated by downward pressure
- replaceable pin, entirely hardened and tempered
- adjustable force
- surface finish: nickel plated



		L			
616810	60 - 130	125	70	A	37,99



9 Punches

642.1A

Pin for 642A

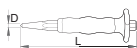


616811	10	E	9,12

642/6HS

Centre punch with handle

- material: chrome vanadium
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered
- ergonomic heavy duty double component handle
- made according to standard DIN 7250



	D	L			
620117	4	120	83	B	5,46
620118	5	120	83	B	5,89

645

Chisel and punch set



	Nº				
601739	645	6	525	S	29,36
640/6 (2, 4, 6), 642/6 (3), 660/6A (125), 670/6A (125)					

646

Drift and centre punch set



	Nº				
601737	646	6	515	S	21,83
640/6 (2, 3, 4, 5, 6), 642/6 (3)					

646A

Drift and centre punches set



	Nº				
620178	646A	3	260	S	10,13
640/6 (4), 642/6 (3, 4)					

647

Pin punches set



	Nº				
601738	647	2 - 8 / 6	575	S	27,55
641/6 (2, 3, 4, 5, 6, 8)					

647A

Pin punches set



	Nº				
620176	647A	3-5/3	283	S	12,77
641/6 (3, 4, 5)					

647B

Pin punches set



	Nº				
620177	647B	6 - 10 / 3	390	S	13,60
641/6 (6, 8, 10)					

642LPB**Set of letter steel punches**

- material: special tool steel
- surface finish: anticorrosive oiled
- Set of 27 punches with letters from A to Z and & sign



Barcode	Quantity	Weight (g)	Material	Price (€)
620944	4	650	S	34,97
620945	6	1240	S	42,17
620946	8	1850	S	56,94
620947	10	1385	S	75,70

642NPB**Set of number steel punches**

- material: special tool steel
- surface finish: anticorrosive oiled
- Set of 9 punches with numbers from 0 to 9



Barcode	Quantity	Weight (g)	Material	Price (€)
620940	4	220	S	11,66
620941	6	420	S	14,08
620942	8	643	S	19,41
620943	10	800	S	25,83

660/6**Flat chisel**

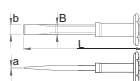
- material: chrome vanadium
- drop forged
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered
- made according to standard DIN 6453



Barcode	L	a x b	B	Weight (g)	Material	Price (€)
604267	100	16 x 3	16	90	P	5,57
601732	150	19 x 3	19	183	P	6,39
604242	175	22 x 3	22	283	P	7,80
601733	200	24 x 3	24	388	P	8,58
601734	250	26 x 4	24	506	P	10,11

660/6HS**Flat chisel with guard**

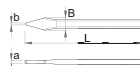
- material: chrome vanadium
- drop forged
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered
- made according to standard DIN 6453



Barcode	L	a x b	B	Weight (g)	Material	Price (€)
608484	250	26 x 4	24	615	E	14,62

670/6**Cross chisel**

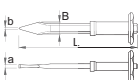
- material: chrome vanadium
- drop forged
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered
- made according to standard DIN 6541



Barcode	L	a x b	B	Weight (g)	Material	Price (€)
601747	150	6 x 2	23	172	P	7,80
601748	200	7 x 3	30	302	P	9,89
601749	250	9 x 4	30	465	P	11,82

670/6HS**Cross chisel with guard**

- material: chrome vanadium
- drop forged
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered
- made according to standard DIN 6541



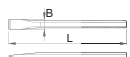
Barcode	L	a x b	B	Weight (g)	Material	Price (€)
608485	250	9 x 4	30	545	E	16,10

9 Chisels

660/6A

Mason's chisel

- material: chrome vanadium
- drop forged
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered
- made according to standard DIN 7254

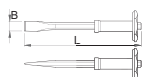


	L		B			
608554	125	10	12	76	P	5,32
608492	250	16	23	403	P	9,14
608493	300	18	26	612	P	11,25
608494	350	18	26	724	P	12,84
608495	400	20	30	1019	P	15,97
608496	500	20	30	1236	P	19,61

660/6AHS

Mason's chisel with guard

- material: chrome vanadium
- drop forged
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered
- made according to standard DIN 7254



	L		B			
608497	250	16	23	529	E	12,84
608498	300	18	26	758	E	15,04
608499	350	18	26	848	E	16,67

665/6A

Electrician's chisel

- material: chrome vanadium
- drop forged
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered

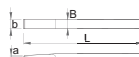


	L		B			
608500	250	8	10	110	P	5,45
608501	250	10	10	160	P	6,06

666/6A

Slitting chisel

- material: chrome vanadium
- drop forged
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered

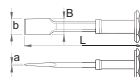


	L	a x b	B			
603477	240	28 x 3	28	315	P	9,51

666/6AHS

Slitting chisel with guard

- material: chrome vanadium
- drop forged
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered

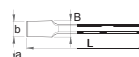


	L	a x b	B			
608503	240	28 x 3	28	459	E	13,30

667/6A

Jointing chisel

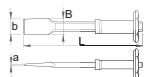
- material: chrome vanadium
- drop forged
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered



	L	a x b	B			
608671	250	50 x 4	50	480	P	15,62

667/6AHS**Jointing chisel with guard**

- material: chrome vanadium
- drop forged
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered



Barcode	L	a x b	B	Weight	Price
609286	250	50 x 4	50	625	20,46

670/6A**Pointed chisel**

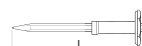
- material: chrome vanadium
- drop forged
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered
- made according to standard DIN 7256



Barcode	L	B	Weight	Price
608555	125	10	72	5,32
604174	250	16	390	8,45
608486	300	18	578	10,46
608487	350	18	696	11,25
604903	400	20	982	13,72
608488	500	20	1205	18,34

670/6AHS**Pointed chisel with guard**

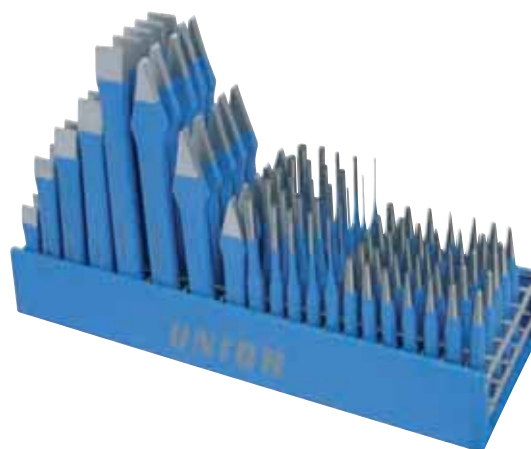
- material: chrome vanadium
- drop forged
- entirely hardened and tempered
- tip induction hardened
- surface finish: lacquered
- made according to standard DIN 7256



Barcode	L	B	Weight	Price
608489	250	16	532	12,24
608490	300	18	713	14,20
608491	350	18	784	15,04

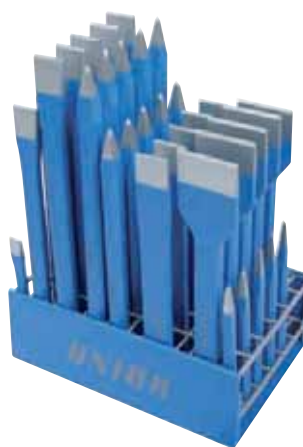
671HS**Universal handle for chisel**

Barcode	Weight	Price
608672	139	4,37

675**Chisel and punch set on metal stand**

Barcode	Nº	Weight	Price
611998	675	100	562,29

640/6 (2, 3, 4, 5, 6), 641/6 (2, 4, 5, 6, 8),
 642/6 (4, 5), 660/6 (100, 150, 200, 250, 175),
 670/6 (150, 200, 250), 980F (410)

675A**Mason's chisels set on metal stand**

Barcode	Nº	Weight	Price
611997	675A	40	393,45

666/6A (240), 670/6A (125, 250, 300),
 660/6A (125, 250, 300), 667/6A (250), 980G (530)

Workshop equipment

Preparation of the elements for the carriage housing



1. **The cover, bottom, left pillar, right pillar and back wall** are first stamped out from a reel on a CNC stamping machine, then bent on a CNC bending machine.

2. **The wheel holder** is first cut with shears, bent on a tool (in two stages), pierced and threaded for wheels.

3. **The handle brace** is stamped out from a reel on a CNC stamping tool, then bent on a CNC bending machine and riveted onto the left pillar.

DRAWER PRODUCTION

Then all the elements are loaded into a robotic cell for housing welding and the entire housing is welded before being transported for varnishing.

4. **Drawer 70** is stamped out from a reel on a CNC stamping machine, then bent on a CNC bending machine, pressed on a tool and spot welded using a spot welding device. The drawer is thus ready for coating.

5. **Drawer 160** is stamped out from a reel on a CNC stamping machine, then bent twice on a CNC bending machine, pressed on a tool and spot welded using a spot welding device. The drawer is thus ready for coating.

6. **The lifting rod** is cut out with laser using a laser cutting machine, pressed on a tool, bent on a CNC bending machine and then transported for coating.

After coating, all the elements are ready for the **assembly of the carriage**, which is carried out on the assembly line.

The assembly includes the following actions:

- Serigraphy of the drawers
- Assembly of the drawers (the lifting rod and guides are riveted to the drawer and a synthetic lining is inserted)
- Serigraphy of the housing
- Placing the synthetic lining and border onto the carriage cover
- Assembly of the lock and the locking mechanism
- Riveting the guides onto the housing
- Inserting the drawers
- Examining the carriage and inserting the wheels and handles into the drawer
- Packaging the carriage in styrofoam using a special packaging device

7. Final packed products





Quality sheet steel

Tool carriages, chests, cabinets and various boxes for tool storage, as well as work benches, stands, hooks and other accessories are all made of quality sheet steel. Lacquer coated to resist corrosion and scratches, the equipment is practically indestructible.



Innovative design

A comprehensive knowledge of all the work requirements of local professionals has resulted in editions of workshop equipment able to offer great accessibility, clear tool storage and improved visibility at any moment.



Clear tool storage

With its clear tool storage and easy accessibility, Unior workshop equipment helps you keep your workshop in order and thereby increases your productivity.



Carriages line - Europlus

227



Carriages line - Eurovision

228 - 229



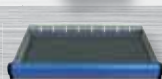
Carriages line - Eurostyle

229 - 231



Carriages line - Euromaster, Economic and Hercules

232 - 233



Accessories for carriages

234 - 236



Work benches

236 - 237



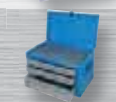
Modular work benches

237 - 246



Tool chest line - Eurovision

246



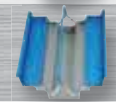
Tool chest line - Eurostyle

247



Tool chest mobile

247



Sheet metal tool boxes

247 - 249



Cabinets

250 - 253



Tool cases

254



Metal stands

255 - 257



Plastic boxes

257 - 260



Merchandisers and accessories

260 - 267



Features of Unior's EuroPLUS tool carriage

Material:

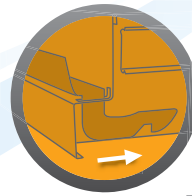
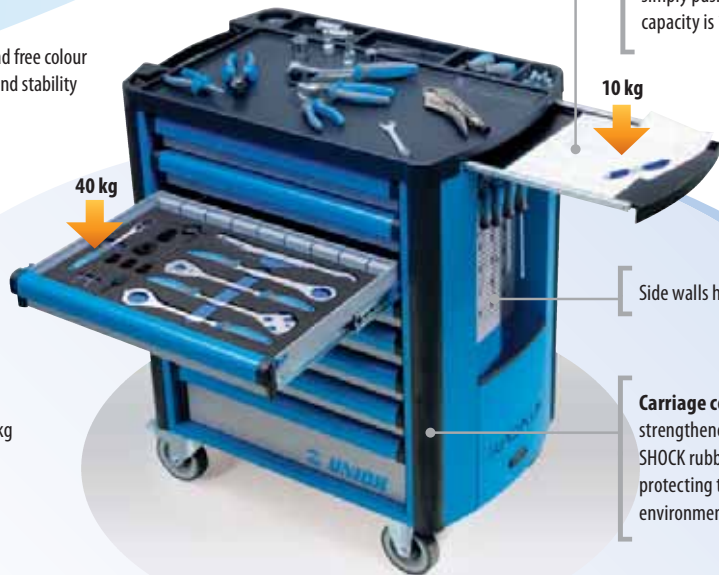
- Perforated sheet metal
- Drawers with ball-bearing slides
- The syntetic covering protect drawers and tools from damage
- Locking system
- Protective closing mechanism of drawers
- Multi-purpose shelf
- ANTI-SHOCK rubbers
- Ecological lacquered with cadmium and lead free colour
- Wheels dia. 125 mm, for improved agility and stability

Dimensions:

- Carriage: 810 x 510 x 945 mm
- Large drawer: 565 x 385 x 150 mm
- Small drawer: 565 x 365 x 70 mm

Capacity:

- Drawer: 40 kg
- Static load capacity without wheels: 2000 kg



Pull-out shelf (290 x 350 mm) can be used to support documents or other items. When not needed it can be simply pushed back in. Load capacity is 10 kg.

10 kg

Side walls have **waste basket**.

Carriage corners are strengthened by ANTI-SHOCK rubber protectors, protecting the carriage and the environment from damage.



New 400 mm **ball-bearing slides** are of higher quality compared to standard models. This means load capacity increased by 10%, while the drawer still runs smoothly and almost inaudibly. Drawers can be taken out easily – with a simple push of the plastic safety buttons.



Drawer closing mechanism prevents unwanted opening of drawers.



ANTI-SLIP covering offers damage protection for the drawer, as it prevents tools from sliding during opening and closing of the drawer.



Durable 125 mm diameter wheels with a safety brake enable mobility and stability, even if rolled fully loaded over a cable. Proper rolling stability is very useful especially on uneven workshop floors or in the yard.

Accessories



Paper holder

Paper holder, available in two versions, ensures that paper is always close at hand (**920 ES4A**, 619445).



Partitions

EuroPLUS carriage drawers can be divided freely into different sized parts by installing partitions (**920 ES3**, 617823).



Tool rack wall

A perforated sheet metal tool rack wall for hanging tools and other accessories can be attached to the **EuroPLUS** carriage (**920.1**, 619711).



Tool trays

SOS* (**964**) tool trays from polyethylene foam will keep your tools well ordered and protected from damage.

***SOS** = Safety
Order
Survey



920PLUS1

Tool carriage Europlus

- locking system
- uniform closing mechanism of drawers with closing hooks
- multi-purpose shelf enables additional working place
- new wheels dia. 125mm, for improved agility and stability
- anti-shock rubbers
- material: sheet metal
- drawers with ball-bearing slides
- the synthetic covering protect drawers and tools from damage
- 8 drawers (seven dimensions 565x365x70mm, one dimension 565x385x150mm)
- static load capacity of carriages without wheels: 2000 kg
- capacity of drawers: 40 kg
- ecological lacquered with cadmium and lead free colour



Barcode	A	B	H	Weight	Capacity	Price
617100	910	510	945	72200	10	1102,88

920PLUS2

Tool carriage Europlus

- locking system
- uniform closing mechanism of drawers with closing hooks
- multi-purpose shelf enables additional working place
- new wheels dia. 125mm, for improved agility and stability
- anti-shock rubbers
- material: sheet metal
- drawers with ball-bearing slides
- the synthetic covering protect drawers and tools from damage
- 7 drawers (five dimensions 565x365x70mm, two dimensions 565x385x150mm)
- static load capacity of carriages without wheels: 2000 kg
- capacity of drawers: 40 kg
- ecological lacquered with cadmium and lead free colour



Barcode	A	B	H	Weight	Capacity	Price
617101	810	510	945	75600	10	1045,01

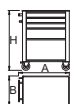
Barcode	Nº	Europlus	Price
619711	920.1PLUS	x	113,56
Tool rack wall for 920PLUS			
617823	920ES3	x	12,36
Partitions set- 4 pieces for 920PLUS			
619446	920ES4A	x	8,37
Paper holder - maxi roll for 920PLUS			
621019	920ES7	x	19,40
Holder for bottles for 920PLUS			
619525	920ES8	x	26,19
ABS plate for 920PLUS			
621896	964ASOS	x	6,28
Empty SOS tool tray for 920PLUS, 940E and 940EV			
390 - 411			
621897	964BSOS	x	19,31
Empty SOS tool tray for 920PLUS, 940E and 940EV			
390 - 411			



940EV1

Tool carriage Eurovision

- locking system
- new wheels dia. 125mm, for improved agility and stability
- opening and closing of drawers is very simple due to the uniform solution - drawer handle on the upper side enables users a synchronic grip and opening of a carriage drawer.
- drawers with ball-bearing slides
- the antislip synthetic covering protect drawers and tools from damage
- drawer closing mechanism prevents unwanted opening of drawers
- possibility to add accessories
- ecological lacquered with cadmium and lead free colour
- blind nuts for fixing accessories are mounted on the carriage.
- lifting door with locking system
- static load capacity of carriage without wheels: 1600kg
- capacity of drawers: 40kg
- 4 drawers (three dimensions 563x365x70mm, one dimensions 563x410x150mm)
- material: sheet metal

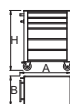


	A	B	H			
619884	720	440	917	44800	K	586,51

940EV3

Tool carriage Eurovision

- locking system
- new wheels dia. 125mm, for improved agility and stability
- opening and closing of drawers is very simple due to the uniform solution - drawer handle on the upper side enables users a synchronic grip and opening of a carriage drawer.
- drawers with ball-bearing slides
- the antislip synthetic covering protect drawers and tools from damage
- drawer closing mechanism prevents unwanted opening of drawers
- possibility to add accessories
- ecological lacquered with cadmium and lead free colour
- blind nuts for fixing accessories are mounted on the carriage.
- static load capacity of carriage without wheels: 1600kg
- capacity of drawers: 40kg
- material: sheet metal
- 6 drawers (three dimensions 563x365x70mm, three dimensions 563x410x150mm)

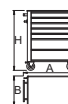


	A	B	H			
621436	720	440	917	51000	K	670,32

940EV4

Tool carriage Eurovision

- locking system
- new wheels dia. 125mm, for improved agility and stability
- opening and closing of drawers is very simple due to the uniform solution - drawer handle on the upper side enables users a synchronic grip and opening of a carriage drawer.
- drawers with ball-bearing slides
- the antislip synthetic covering protect drawers and tools from damage
- drawer closing mechanism prevents unwanted opening of drawers
- possibility to add accessories
- ecological lacquered with cadmium and lead free colour
- blind nuts for fixing accessories are mounted on the carriage.
- static load capacity of carriage without wheels: 1600kg
- capacity of drawers: 40kg
- 7 drawers (five dimensions 563x365x70mm, two dimensions 563x410x150mm)
- material: sheet metal



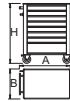
	A	B	H			
619885	720	440	917	57000	K	705,19



940EV6

Tool carriage Eurovision

- locking system
- new wheels dia. 125mm, for improved agility and stability
- opening and closing of drawers is very simple due to the uniform solution - drawer handle on the upper side enables users a synchronic grip and opening of a carriage drawer.
- drawers with ball-bearing slides
- the antislip synthetic covering protect drawers and tools from damage
- drawer closing mechanism prevents unwanted opening of drawers
- possibility to add accessories
- ecological lacquered with cadmium and lead free colour
- blind nuts for fixing accessories are mounted on the carriage.
- static load capacity of carriage without wheels: 1600kg
- capacity of drawers: 40kg
- 8 drawers (seven dimensions 563x365x70mm, one dimension 563x410x150mm)
- material: sheet metal



619886	A	B	H	60000	777,75
	720	440	917		

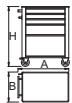
	Nº	Eurovision	
	620417 940.1EV	x	56,63
Tool rack wall for 940EV			
	620416 940EVS1	x	32,75
Sheet metal basket for 940EV			
	620418 940EVS4	x	10,04
Paper holder for 940EV			
	620419 940EVS7	x	15,31
Holder for bottles for 940EV			
	608923 940ES1	x	37,97
Basket for 940E and 940EV			
	608924 940ES2	x	28,44
Sheet metal basket for 940E and 940EV			

	Nº	Eurovision	
	608925 940ES3	x	9,22
Partitions set- 4 pieces for 940E and 940EV			
	622597 940ES3A	x	19,40
Partitions set for small drawer 940E and 940EV			
	608969 940ES5	x	15,61
Document holder for 940E and 940EV			
	608970 940ES6	x	16,17
Finishing plate for 940E and 940EV			
	608971 940ES7	x	13,28
Holder for bottles for 940E and 940EV			
	608972 940ES8	x	23,76
ABS plate for 940E and 940EV			
	608973 940ES9	x	66,05
Wooden plate for 940E and 940EV			
	622598 940ES10	x	9,45
Screwdrivers hanger for 940E and 940EV			
	621896 964ASOS	x	6,28
Empty SOS tool tray for 920PLUS, 940E and 940EV			
	621897 964BSOS	x	19,31
Empty SOS tool tray for 920PLUS, 940E and 940EV			

940E1

Tool carriage Eurostyle

- locking system
- 4 wheels, one with brake
- drawers with ball-bearing slides
- the synthetic covering protect drawers and tools from damage
- possibility to add accessories
- ecological lacquered with cadmium and lead free colour
- 4 drawers (three dimensions 560x365x70mm, one dimension 560x400x150mm)
- lifting door with locking system
- static load capacity of carriage without wheels: 1600kg
- capacity of drawers: 40kg
- material: sheet metal



608542	A	B	H	42000	558,58
	720	440	895		

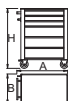




940E3

Tool carriage Eurostyle

- locking system
- 4 wheels, one with brake
- drawers with ball-bearing slides
- the synthetic covering protect drawers and tools from damage
- possibility to add accessories
- ecological lacquered with cadmium and lead free colour
- 6 drawers (three dimensions 560x365x70mm, three dimensions 560x400x150mm)
- static load capacity of carriage without wheels: 1600kg
- capacity of drawers: 40kg
- material: sheet metal

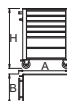


608544	A	B	H	Weight	Material	Price
608544	720	440	895	48000	K	644,54

940E4

Tool carriage Eurostyle

- locking system
- 4 wheels, one with brake
- drawers with ball-bearing slides
- the synthetic covering protect drawers and tools from damage
- possibility to add accessories
- ecological lacquered with cadmium and lead free colour
- 7 drawers (five dimensions 560x365x70mm, two dimensions 560x400x150mm)
- static load capacity of carriage without wheels: 1600kg
- capacity of drawers: 40kg
- material: sheet metal

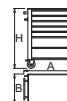


608545	A	B	H	Weight	Material	Price
608545	720	440	895	52000	K	671,61

940E4/1L

Tool carriage Eurostyle

- locking system
- 4 wheels, one with brake
- drawers with ball-bearing slides
- the synthetic covering protect drawers and tools from damage
- possibility to add accessories
- ecological lacquered with cadmium and lead free colour
- 7 drawers (five dimensions 560x365x70mm, two dimensions 560x400x150mm)
- static load capacity of carriage without wheels: 1600kg
- capacity of drawers: 40kg
- left and right side are perforated
- include 10 hooks dimension 500mm
- ABS tray on the top of the carriage
- material: sheet metal

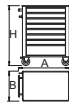


612138	A	B	H	Weight	Material	Price
612138	720	440	895	60000	K	691,76

940E6

Tool carriage Eurostyle

- locking system
- 4 wheels, one with brake
- drawers with ball-bearing slides
- the synthetic covering protect drawers and tools from damage
- possibility to add accessories
- ecological lacquered with cadmium and lead free colour
- 8 drawers (seven dimensions 560x365x70mm, one dimension 560x400x150mm)
- static load capacity of carriage without wheels: 1600kg
- capacity of drawers: 40kg
- material: sheet metal



	A	B	H			
608547	720	440	895	56000	K	750,01

940E9

Tool carriage

- locking system
- 4 wheels, one with brake
- drawers with ball-bearing slides
- the synthetic covering protect drawers and tools from damage
- possibility to add accessories
- ecological lacquered with cadmium and lead free colour
- 8 drawers (seven dimensions 560x365x70mm, one dimension 560x400x150mm)
- static load capacity of carriage without wheels: 1600kg
- capacity of drawers: 40kg
- material: sheet metal



	A	B	H			
611757	720	500	975	72000	K	808,71

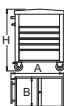


		Nº	Eurostyle	
	608923	940ES1	x	37,97
Basket for 940E and 940EV				
	608924	940ES2	x	28,44
Sheet metal basket for 940E and 940EV				
	608925	940ES3	x	9,22
Partitions set- 4 pieces for 940E and 940EV				
	622597	940ES3A	x	19,40
Partitions set for small drawer 940E and 940EV				
	608968	940ES4	x	3,54
Paper holder for 940E				
	619445	940ES4A	x	5,08
Paper holder - maxi roll for 940E				
	608969	940ES5	x	15,61
Document holder for 940E and 940EV				
	608970	940ES6	x	16,17
Finishing plate for 940E and 940EV				
	608971	940ES7	x	13,28
Holder for bottles for 940E and 940EV				
	608972	940ES8	x	23,76
ABS plate for 940E and 940EV				
	622598	940ES10	x	9,45
Screwdrivers hanger for 940E and 940EV				
	620416	940EVS1	x	32,75
Sheet metal basket for 940EV				
	620418	940EVS4	x	10,04
Paper holder for 940EV				
	620419	940EVS7	x	15,31
Holder for bottles for 940EV				
	621896	964ASOS	x	6,28
Empty SOS tool tray for 920PLUS, 940E and 940EV				
	621897	964BSOS	x	19,31
Empty SOS tool tray for 920PLUS, 940E and 940EV				

940M1

Tool carriage Euromaster

- locking system
- 4 wheels, one with brake
- drawers with ball-bearing slides
- the synthetic covering protect drawers and tools from damage
- ecological lacquered with cadmium and lead free colour
- lacquered with cadmium and lead free colour
- 6 drawers (five dimensions 560x365x70mm, one dimension 560x400x150mm)
- static load capacity of carriage without wheels: 1600kg
- load capacity on each part of closed cover: 80 kg, on opened - 32 kg
- capacity of drawers: 40kg
- with bottle holder and plastic insert for small parts
- material: sheet metal

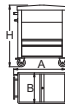


Barcode	A	B	H	Weight	Material	Price
612218	730	465	975	58000	K	852,26

940M2

Tool carriage Euromaster

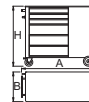
- locking system
- 4 wheels, one with brake
- drawers with ball-bearing slides
- the synthetic covering protect drawers and tools from damage
- ecological lacquered with cadmium and lead free colour
- 3 drawers (two dimensions 560x365x70mm, one dimension 560x400x150mm)
- static load capacity of carriage without wheels: 1600kg
- load capacity on each part of closed cover: 80 kg, on opened - 32 kg
- capacity of drawers: 40kg
- material: sheet metal



Barcode	A	B	H	Weight	Material	Price
612324	730	465	975	40000	K	707,64

940H1

- Tool carriage Hercules
- locking system (2 security locks)
- 4 wheels, two with brake
- drawers with ball-bearing slides
- the synthetic covering protect drawers and tools from damage
- ecological lacquered with cadmium and lead free colour
- 7 front drawers dim. 560x365 mm (5 height 70 mm and 2 height 150 mm)
- 7 side drawers dim. 390x323 mm (5 height 70 mm and 2 height 150 mm)
- wooden worktop
- static load capacity of carriages without wheels: 2300 kg
- capacity of side drawers: 25 kg
- capacity of front drawers: 40 kg
- material: sheet metal



Barcode	A	B	H	Weight	Material	Price
615510	1080	550	955	115600	K	1421,87

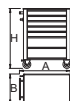
Barcode	Nº	Euromaster	Price
621896	964ASOS	x	6,28
Empty SOS tool tray for 920PLUS, 940E and 940EV			
621897	964BSOS	x	19,31
Empty SOS tool tray for 920PLUS, 940E and 940EV			
608925	940ES3	x	9,22
Partitions set- 4 pieces for 940E and 940EV			
622597	940ES3A	x	19,40
Partitions set for small drawer 940E and 940EV			

Barcode	Nº	Economic	Price
617269	940ECOS1	x	8,90
3 pcs set of partitions for 940ECO			
618460	940ECOES7	x	18,59
Bottle holder 940ECO			

940ECO

Tool carriage Economic

- locking system
- 4 wheels, one with brake
- drawers with ball-bearing slides
- the synthetic covering protect drawers and tools from damage
- possibility to add accessories
- ecological lacquered with cadmium and lead free colour
- material: sheet metal
- 6 drawers (four dimensions 490x275x70mm, two dimensions 490x310x150mm)
- capacity of drawers: 30kg

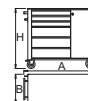


Barcode	A	B	H	Weight	Material	Price
617227	700	355	890	33000	K	453,28

940H2

Tool carriage Hercules

- locking system
- 4 wheels, two with brake
- drawers with ball-bearing slides
- the synthetic covering protect drawers and tools from damage
- ecological lacquered with cadmium and lead free colour
- 7 front drawers dim. 560x365 mm (5 height 70 mm and 2 height 150 mm)
- door with lock
- wooden worktop
- static load capacity of carriages without wheels: 2300 kg
- capacity of front drawers: 40 kg
- material: sheet metal

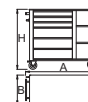


Barcode	A	B	H	Weight	Material	Price
615511	1080	550	955	96200	K	1157,43

940H3

Tool carriage Hercules

- locking system
- 4 wheels, two with brake
- drawers with ball-bearing slides
- the synthetic covering protect drawers and tools from damage
- ecological lacquered with cadmium and lead free colour
- 7 front drawers dim. 560x365 mm (5 height 70 mm and 2 height 150 mm)
- one side with shelves
- wooden worktop
- static load capacity of carriages without wheels: 2300 kg
- capacity of front drawers: 40 kg
- material: sheet metal



	A	B	H			
615512	1080	550	955	94200	K	1137,77

		Nº	Hercules	Hercules	
	621442	940.1H	x		99,01
	Tool rack wall for 940H				
	621896	964ASOS	x		6,28
	Empty SOS tool tray for 920PLUS, 940E and 940EV				
				390 - 411	
	621897	964BSOS	x		19,31
	Empty SOS tool tray for 920PLUS, 940E and 940EV				
				390 - 411	
	608969	940ES5	x		15,61
	Document holder for 940E and 940EV				
	608971	940ES7	x		13,28
	Holder for bottles for 940E and 940EV				
	608923	940ES1	x		37,97
	Basket for 940E and 940EV				
	608925	940ES3	x		9,22
	Partitions set- 4 pieces for 940E and 940EV				
	608924	940ES2	x		28,44
	Sheet metal basket for 940E and 940EV				
	622597	940ES3A	x		19,40
	Partitions set for smal drawer 940E and 940EV				
	610932	940HS3		x	8,68
	Partitions set-3 pieces for 940H				
	622882	940.2H2	x		43,12
	Door for 940H2				



Spare parts

		Nº			920PLUS	940E	940EV	940ECO	940M	940H	994	946	943P1, 943P2	948	949	938	938V	938M	939	939EV	
	610159	D3	585x405x75			x											x				58,27
	Small drawer for 940E1-9, 938/3V, 5V																				
	610160	D4	585x405x153			x											x				64,01
	Big drawer 940E1- E9, 938/3V, 5V																				
	613099	D11	585x612x75									x	x								49,91
	Small drawer for 946A																				
	613098	D12	585x612x153									x	x								69,32
	Big drawer 946A																				
	615998	D13	585x405x75						x	x											58,27
	Small drawer 940H1, H2, H3, 940M1, M2																				
	615999	D14	585x405x153						x	x											64,01
	Big drawer 940H1, H2, H3, 940M1, M2																				
	616000	D15	415x365x75							x											49,77
	Small drawer, side 940H1																				
	616001	D16	415x365x153							x											52,88
	Big drawer 940H1																				
	619521	D17	585x412x75		x																58,27
	Small drawer 920																				
	619520	D18	585x412x155		x																66,48
	Big drawer 920																				
	620564	D20	585x413x75				x														60,62
	Small drawer 940EV																				
	620563	D19	585x413x153				x														67,21
	Big drawer Eurovision																				
	620247	D20ECO	520x313x75					x													57,09
	Small drawer 940ECO																				
	620246	D19ECO	520x313x155					x													64,14
	Big drawer 940ECO																				
	621663	D939EV1	585x323x75																	x	58,27
	Small drawer for 939EV																				
	621664	D939EV2	585x323x153																	x	64,01
	Big drawer for 939EV																				
	610165	K1	180°		x	x		x	x	x		x	x								9,87
	Key with lock																				
	610233	K1S	90° + 180°			x			x	x											19,74
	Set of two keys with locks																				
	615004	K7	90°			x	x		x					x	x	x	x	x	x		9,87
	Key with lock																				
	619522	K8	180°		x																9,87
	Key with lock 920																				
	620562	K9	180°				x													x	12,30
	Key with lock Eurovision																				
	610171	R1	345x60x30			x															14,81
	Handle 940E1-9																				

		Nº			920PLUS	940E	940EV	940ECO	940M	940H	994	946	943P1, 943P2	948	949	938	938V	938M	939	939EV	
	610174	R4	490x66x90							x											23,44
	Handle 940H1, H2, H3																				
	616002	R5	390x70x25						x												13,26
	Handle 940M1, M2, M3																				
	620565	R7	375x98x40				x														15,54
	Handle Eurovision																				
	610177	T2	694x434			x															6,58
	Synthetic covering for the top 940E1-9																				
	610180	T5	560x380						x	x											6,72
	Synthetic covering for drawers 940E1-9, H1, H2, H3, M1, M2, M3																				
	615247	T6	560x398						x	x											6,62
	Synthetic covering for the drawers 940E1-9, H1, H2, H3, M1, M2, M3																				
	616003	T7	391x341							x											6,62
	Synthetic covering for the drawers																				
	616004	T8	391x359							x											6,62
	Synthetic covering for the drawers																				
	616005	T9	560x591									x									9,17
	Synthetic covering for the drawers 946A																				
	616006	T10	560x608									x									10,27
	Synthetic covering for the drawers 946A																				
	616007	T11	589x437						x												7,58
	Synthetic covering for shelf 940M1, M2, M3																				
	620566	T12	694x434				x														11,52
	Synthetic covering for top 940EV																				
	620568	T13	560x380				x														7,73
	Synthetic covering for small drawer 940EV																				
	620569	T14	560x405				x														8,06
	Synthetic covering for big drawer 940EV																				
	620939	T920	560x380		x		X														8,21
	Synthetic covering for small and big drawer 90PLUS																				
	621665	T939EV1	560x294																	x	6,62
	Synthetic covering for small drawer 939EV																				
	621666	T939EV2	560x317																	x	6,72
	Synthetic covering for big drawer 939EV																				
	610181	V1	400			x	x														23,04
	Ball-bearing slide 940E1-9																				
	610182	V2	350							x											22,20
	Ball-bearing slide for 940H1																				
	603664	V3	400		X				x	x											23,04
	Ball-bearing slide for 940 H1, H2, H3, 940 M1, M2, M3																				
	613100	V4	600									x	x		x						25,28
	Ball-bearing slide 946A																				
	616008	V5	700						x												29,54
	Ball-bearing slide 940M1, M2, M3 (for cover)																				

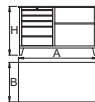
Accessories for carriages

		Nº			920PLUS	940E	940EV	940ECO	940M	940H	994	946	943P1, 943P2	948	949	938	938V	938M	939	939EV	
	619551	V6	300					x												x	9,84
Ball bearing slide for 940ECO																					
	619523	V8	400		x				x	x											23,04
Ball-bearing slide 920																					
	610183	W1	100			x		x	x		x							x			20,40
Flexible wheel with brake 940E1-6, 940M1, M2, M3, 938/5M																					
	610184	W2	100			x		x	x		x							x			19,74
Flexible wheel without brake for 940E1 - E6, 940 M1, M2, M3, 938/5M																					
	610185	W3	100			x		x	x		x							x			19,69
Fixed wheel 940E1-6, 940M1, M2, M3, 938/5M																					
	610188	W6	150			x															11,41
Fixed wheel 940/2, /3, 940E9																					
	610189	W7	160							x											15,94
Fixed wheel 940H1, H2, H3																					
	610190	W8	125							x											25,00
Rotating wheel with brake																					
	610191	W20	100			x		x	x		x							x			63,75
Set of wheels 940E1-6, 940M1, M2, M3, 938/5M																					
	610192	W21	100+150			x															55,12
Set of wheels 940E9																					
	610195	W24	125+160							x											68,54
Set of wheels 940H1, H2, H3																					
	619524	W26	125		x		x														63,75
Set of wheels 920																					

946A

Work bench

- locking system
- drawers with ball-bearing slides
- the synthetic covering protect drawers and tools from damage
- ecological lacquered with cadmium and lead free colour
- wooden worktop
- 5 drawers (three dimensions 560x570x70mm, two dimensions 560x605x150mm)
- static load capacity: 2300 kg
- capacity of drawer: 40kg
- material: sheet metal

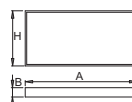


	A	B	H			
612328	1500	750	925	116000	K	1375,38

946C

Cabinet for 946A

- material: sheet metal
- ecological lacquered with cadmium and lead free colour
- with 30 hooks

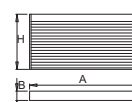


	A	B	H			
612329	1500	125	740	20000	K	303,94

946CR

Cabinet with roller shutter for 946A

- ecological lacquered with cadmium and lead free colour
- with 30 hooks
- model CR with roller shutter and with locking system
- material: sheet metal



	A	B	H			
612330	1500	125	740	30000	K	709,99

946AC**Work bench with cabinet**

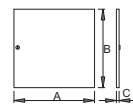
- combination of work bench (art. 946A) and cabinet for work bench (art. 946C) (article 946 ACR cabinet with roller shutter)



	A	B	H			
612220	1500	750	1665	136000	K	1679,33

946D**Door for work bench art. 946**

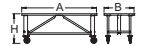
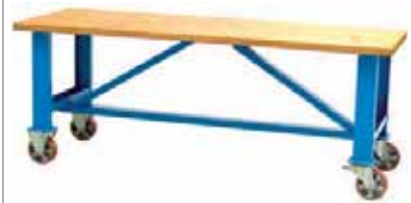
- material: sheet metal
- ecological lacquered with cadmium and lead free colour



	A	C	B			
613097	665	20	565	3650	K	56,81

946T**Mobile work bench**

- material: sheet metal
- ecological lacquered with cadmium and lead free colour
- plywood – beech wood
- protected with environmentally friendly coating
- dynamic load capacity: 1000 kg
- wheels dia. 200mm



	A	B	H			
621448	2050	750	800	90000	X	785,99

946ACR**Work bench with cabinet with roller shutter**

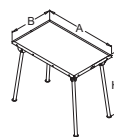
- combination of work bench (art. 946A) and cabinet with roller shutter for work bench (art. 946CR)



	A	B	H			
612331	1500	750	1665	146000	K	2085,37

946G**Worktable**

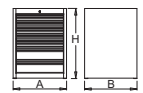
- folding supported legs
- static load capacity: 250kg
- material: sheet metal
- ecological lacquered with cadmium and lead free colour
- plywood – beech wood
- protected with environmentally friendly coating



	A	B	H			
621573	1000	600	850	21800	F	175,32

943P1**Tool chest big - 7 drawers**

- locking system
- drawers with ball-bearing slides
- the synthetic covering protect drawers and tools from damage
- ecological lacquered with cadmium and lead free colour
- 7 drawers (five dimensions 560x570x70mm, two dimensions 560x605x150mm)
- capacity of drawers: 40kg
- possible use of SOS tool tray system in drawers
- material: sheet metal

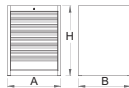


	A	B	H			
618466	665	650	870	69600	K	799,98

943P2

Tool chest big - 8 drawers

- locking system
- drawers with ball-bearing slides
- the synthetic covering protect drawers and tools from damage
- ecological lacquered with cadmium and lead free colour
- 8 drawers (seven dimensions 560x570x70mm, one dimension 560x605x150mm)
- capacity of drawers: 40kg
- possible use of SOS tool tray system in drawers
- material: sheet metal

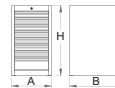


	A	B	H			
618467	665	650	870	74200	K	843,10

943P4

Tool chest small - 8 drawers

- locking system
- drawers with ball-bearing slides
- the synthetic covering protect drawers and tools from damage
- ecological lacquered with cadmium and lead free colour
- 8 drawers (seven dimensions 390x570x70mm, one dimension 390x605x150mm)
- capacity of drawers: 40kg
- possible use of SOS tool tray system in drawers
- material: sheet metal

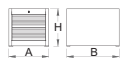


	A	B	H			
618469	495	650	870	63000	K	766,24

943P6

Tool chest - 4 drawers

- locking system
- drawers with ball-bearing slides
- the synthetic covering protect drawers and tools from damage
- ecological lacquered with cadmium and lead free colour
- 4 drawers dimensions 390x570x70mm
- capacity of drawers: 40kg
- possible use of SOS tool tray system in drawers
- material: sheet metal

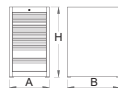


	A	B	H			
618471	495	650	390	31800	K	492,28

943P3

Tool chest small - 7 drawers

- locking system
- drawers with ball-bearing slides
- the synthetic covering protect drawers and tools from damage
- ecological lacquered with cadmium and lead free colour
- 7 drawers (five dimensions 390x570x70mm, two dimensions 390x605x150mm)
- capacity of drawers: 40kg
- possible use of SOS tool tray system in drawers
- material: sheet metal

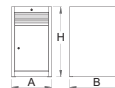


	A	B	H			
618468	495	650	870	59200	K	731,50

943P5

Tool chest - 2 drawers and door

- locking system
- drawers with ball-bearing slides
- the synthetic covering protect drawers and tools from damage
- ecological lacquered with cadmium and lead free colour
- 2 drawers dimensions 390x570x70mm
- with door
- capacity of drawers: 40kg
- possible use of SOS tool tray system in drawers
- material: sheet metal



	A	B	H			
618470	495	650	870	37600	K	528,60

943P7

Cabinet for modular work bench

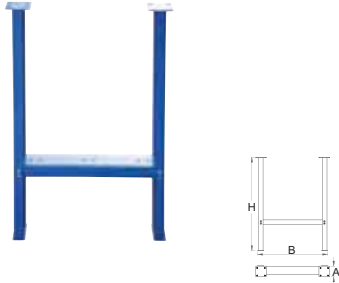
- locking system
- ecological lacquered with cadmium and lead free colour
- with door
- material: sheet metal



	A	B	H			
618472	495	650	390	9400	K	349,72

943P8
Support for modular work bench

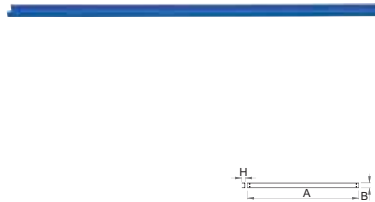
- ecological lacquered with cadmium and lead free colour
- material: sheet metal



Barcode	A	B	H	Weight	Price
618473	100	650	870	7500	86,88

943P11
Long connector for modular work bench

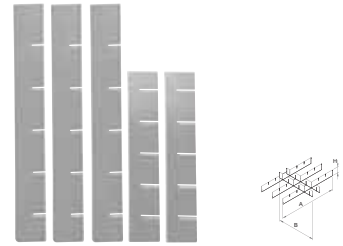
- ecological lacquered with cadmium and lead free colour
- material: sheet metal



Barcode	A	B	H	Weight	Price
618476	1920	70	50	6800	61,39

943PS2
Partitions set-5 pieces for 943P3,P4

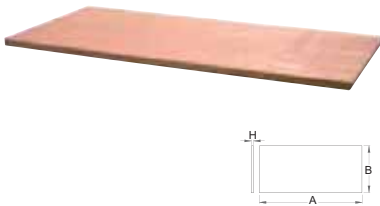
- material: sheet metal



Barcode	A	B	H	Weight	Price
621402	583	388	60	1092	15,92

943P9
Short wooden working plate for modular work bench

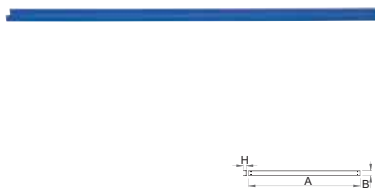
- plywood – beech wood
- protected with environmentally friendly coating



Barcode	A	B	H	Weight	Price
618474	1650	750	40	41000	232,38

943P12
Short connector for modular work bench

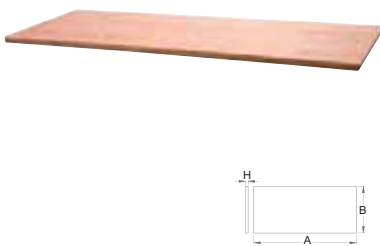
- ecological lacquered with cadmium and lead free colour
- material: sheet metal



Barcode	A	B	H	Weight	Price
618477	1520	70	50	5400	56,96

943P10
Long wooden working plate for modular work bench

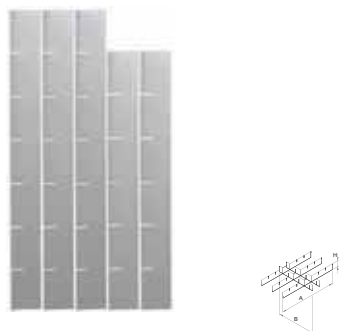
- plywood – beech wood
- protected with environmentally friendly coating



Barcode	A	B	H	Weight	Price
618475	2050	750	40	51000	287,84

943PS1
Partitions set-5 pieces for 943P1,P2 and 946

- material: sheet metal



Barcode	A	B	H	Weight	Price
621401	583	558	60	221	14,48

942A1
Modular work bench

- The modular work bench is an indispensable piece of equipment in both professional and home workshops. It is used as a work surface and for safely storing tools large and small, as well as for temporarily laying aside tools and various materials.
- It is comprised of various modules that enable the composition of various forms of work bench, giving each user the possibility of creating an ideal layout with regard to both your needs and the instalment possibilities. Assembly is fast, simple and safe. A template is included to allow the precise drilling of holes.
- The components of the modular work bench are made of quality sheet metal up to 3 mm thick. The surface of the work bench's supporting structure is protected by powder paint, protecting the surface from both mechanical and atmospheric damage, as well as influences from the chemical environment.
- The counter is made of a massive composite panel allowing for rough work on its surface while, at the same time, it is protected with an environmentally-friendly coating.
- The counter is robust and hard-wearing and designed to take a heavy surface load.
- dimension of modular work bench: 1650 x 750 x 910



	Nº				
619030	942A1	4	61600	X	463,11

943P8 (100 x 650 x 870),
943P9 (1650 x 750 x 40),
943P12 (1520 x 70 x 50)

942A2

Modular work bench



619031	Nº	3	132000	X	1492,49
	942A2				
	943P3				(495 x 650 x 870),
	943P5				(495 x 650 x 870),
	943P9				(1650 x 750 x 40)

942A5

Modular work bench



619034	Nº	3	106200	X	1050,76
	942A5				
	943P3				(495 x 650 x 870),
	943P8				(100 x 650 x 870),
	943P9				(1650 x 750 x 40)

942A8

Modular work bench



619037	Nº	4	119200	X	1435,23
	942A8				
	943P4				(495 x 650 x 870),
	943P7				(495 x 650 x 390),
	943P8				(100 x 650 x 870),
	943P9				(1650 x 750 x 40)

942A3

Modular work bench



619032	Nº	3	160000	X	1527,23
	942A3				
	943P4				(495 x 650 x 870),
	943P5				(495 x 650 x 870),
	943P9				(1650 x 750 x 40)

942A6

Modular work bench



619035	Nº	3	109800	X	1085,51
	942A6				
	943P4				(495 x 650 x 870),
	943P8				(100 x 650 x 870),
	943P9				(1650 x 750 x 40)

942A9

Modular work bench



619038	Nº	4	113800	X	1340,15
	942A9				
	943P6				(495 x 650 x 390),
	943P7				(495 x 650 x 390),
	943P8				(100 x 650 x 870),
	943P9				(1650 x 750 x 40)

942A4

Modular work bench



619033	Nº	3	82000	X	847,87
	942A4				
	943P5				(495 x 650 x 870),
	943P8				(100 x 650 x 870),
	943P9				(1650 x 750 x 40)

942A7

Modular work bench



619036	Nº	4	115600	X	1400,48
	942A7				
	943P3				(495 x 650 x 870),
	943P7				(495 x 650 x 390),
	943P8				(100 x 650 x 870),
	943P9				(1650 x 750 x 40)

942A10

Modular work bench



619039	Nº	5	147400	X	1892,77
	942A10				
	943P3				(495 x 650 x 870),
	943P6				(495 x 650 x 390),
	943P7				(495 x 650 x 390),
	943P8				(100 x 650 x 870),
	943P9				(1650 x 750 x 40)

942A11

Modular work bench



619040	942A11	5	151000	X	1927,51
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- 943P4 (495 x 650 x 870),
- 943P6 (495 x 650 x 390),
- 943P7 (495 x 650 x 390),
- 943P8 (100 x 650 x 870),
- 943P9 (1650 x 750 x 40)

942A14

Modular work bench



619043	942A14	3	120800	X	1162,37
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- 943P2 (665 x 650 x 870),
- 943P8 (100 x 650 x 870),
- 943P9 (1650 x 750 x 40)

942A17

Modular work bench



619046	942A17	4	126800	X	1468,97
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- 943P1 (665 x 650 x 870),
- 943P7 (495 x 650 x 390),
- 943P8 (100 x 650 x 870),
- 943P9 (1650 x 750 x 40)

942A12

Modular work bench



619041	942A12	5	123200	X	1689,87
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- 943P5 (495 x 650 x 870),
- 943P6 (495 x 650 x 390),
- 943P7 (495 x 650 x 390),
- 943P8 (100 x 650 x 870),
- 943P9 (1650 x 750 x 40)

942A15

Modular work bench



619044	942A15	4	149200	X	1611,53
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- 943P1 (665 x 650 x 870),
- 943P6 (495 x 650 x 390),
- 943P8 (100 x 650 x 870),
- 943P9 (1650 x 750 x 40)

942A18

Modular work bench



619047	942A18	4	130200	X	1512,07
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- 943P2 (665 x 650 x 870),
- 943P7 (495 x 650 x 390),
- 943P8 (100 x 650 x 870),
- 943P9 (1650 x 750 x 40)

942A13

Modular work bench



619042	942A13	3	144000	X	1119,25
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- 943P1 (665 x 650 x 870),
- 943P8 (100 x 650 x 870),
- 943P9 (1650 x 750 x 40)

942A16

Modular work bench



619045	942A16	4	152600	X	1654,65
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- 943P2 (665 x 650 x 870),
- 943P6 (495 x 650 x 390),
- 943P8 (100 x 650 x 870),
- 943P9 (1650 x 750 x 40)

942A19

Modular work bench



619048	942A19	3	143200	X	1560,98
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- 943P1 (665 x 650 x 870),
- 943P5 (495 x 650 x 870),
- 943P9 (1650 x 750 x 40)

10 Modular work benches

942A20

Modular work bench



619049	Nº	3	146600	X	1604,09
	943P2	(665 x 650 x 870),			
	943P5	(495 x 650 x 870),			
	943P9	(1650 x 750 x 40)			

942A23

Modular work bench



619052	Nº	3	171000	X	1798,61
	943P1	(665 x 650 x 870),			
	943P4	(495 x 650 x 870),			
	943P9	(1650 x 750 x 40)			

944A2

Modular work bench



619055	Nº	3	141800	X	1547,94
	943P3	(495 x 650 x 870),			
	943P5	(495 x 650 x 870),			
	943P10	(2050 x 750 x 40)			

942A21

Modular work bench



619050	Nº	3	167400	X	1763,86
	943P1	(665 x 650 x 870),			
	943P3	(495 x 650 x 870),			
	943P9	(1650 x 750 x 40)			

942A24

Modular work bench



619053	Nº	3	174400	X	1841,73
	943P2	(665 x 650 x 870),			
	943P4	(495 x 650 x 870),			
	943P9	(1650 x 750 x 40)			

944A3

Modular work bench



619056	Nº	3	145400	X	1582,69
	943P4	(495 x 650 x 870),			
	943P5	(495 x 650 x 870),			
	943P10	(2050 x 750 x 40)			

942A22

Modular work bench



619051	Nº	3	170800	X	1806,98
	943P2	(665 x 650 x 870),			
	943P3	(495 x 650 x 870),			
	943P9	(1650 x 750 x 40)			

944A1

Modular work bench

- The modular work bench is an indispensable piece of equipment in both professional and home workshops. It is used as a work surface and for safely storing tools large and small, as well as for temporarily laying aside tools and various materials.
- It is comprised of various modules that enable the composition of various forms of work bench, giving each user the possibility of creating an ideal layout with regard to both your needs and the instalment possibilities. Assembly is fast, simple and safe. A template is included to allow the precise drilling of holes.
- The components of the modular work bench are

- made of quality sheet metal up to 3 mm thick. The surface of the work bench's supporting structure is protected by powder paint, protecting the surface from both mechanical and atmospheric damage, as well as influences from the chemical environment.
- The counter is made of a massive composite panel allowing for rough work on its surface while, at the same time, it is protected with an environmentally-friendly coating.
- The counter is robust and hard-wearing and designed to take a heavy surface load.
- dimension of modular work bench: 2050 x 750 x 910



619054	Nº	4	71400	X	522,99
	943P8	(100 x 650 x 870),			
	943P10	(2050 x 750 x 40),			
	943P11	(1920 x 70 x 50)			

944A4

Modular work bench



	Nº				
619057	944A4	3	91800	X	903,33
	<div> <div>943P5 (495 x 650 x 870),</div> <div>943P8 (100 x 650 x 870),</div> <div>943P10 (2050 x 750 x 40)</div> </div>				

944A7

Modular work bench



	Nº				
619060	944A7	4	125400	X	1455,93
	<div> <div>943P3 (495 x 650 x 870),</div> <div>943P7 (495 x 650 x 390),</div> <div>943P8 (100 x 650 x 870),</div> <div>943P10 (2050 x 750 x 40)</div> </div>				

944A10

Modular work bench



	Nº				
619063	944A10	5	196000	X	1948,21
	<div> <div>943P3 (495 x 650 x 870),</div> <div>943P6 (495 x 650 x 390),</div> <div>943P7 (495 x 650 x 390),</div> <div>943P8 (100 x 650 x 870),</div> <div>943P10 (2050 x 750 x 40)</div> </div>				

944A5

Modular work bench



	Nº				
619058	944A5	3	116000	X	1106,21
	<div> <div>943P3 (495 x 650 x 870),</div> <div>943P8 (100 x 650 x 870),</div> <div>943P10 (2050 x 750 x 40)</div> </div>				

944A8

Modular work bench



	Nº				
619061	944A8	4	129000	X	1490,67
	<div> <div>943P4 (495 x 650 x 870),</div> <div>943P7 (495 x 650 x 390),</div> <div>943P8 (100 x 650 x 870),</div> <div>943P10 (2050 x 750 x 40)</div> </div>				

944A11

Modular work bench



	Nº				
619064	944A11	5	160800	X	1982,96
	<div> <div>943P4 (495 x 650 x 870),</div> <div>943P6 (495 x 650 x 390),</div> <div>943P7 (495 x 650 x 390),</div> <div>943P8 (100 x 650 x 870),</div> <div>943P10 (2050 x 750 x 40)</div> </div>				

944A6

Modular work bench



	Nº				
619059	944A6	3	119600	X	1140,95
	<div> <div>943P4 (495 x 650 x 870),</div> <div>943P8 (100 x 650 x 870),</div> <div>943P10 (2050 x 750 x 40)</div> </div>				

944A9

Modular work bench



	Nº				
619062	944A9	4	123600	X	1395,61
	<div> <div>943P5 (495 x 650 x 870),</div> <div>943P6 (495 x 650 x 390),</div> <div>943P8 (100 x 650 x 870),</div> <div>943P10 (2050 x 750 x 40)</div> </div>				

944A12

Modular work bench



	Nº				
619065	944A12	5	133000	X	1745,33
	<div> <div>943P5 (495 x 650 x 870),</div> <div>943P6 (495 x 650 x 390),</div> <div>943P7 (495 x 650 x 390),</div> <div>943P8 (100 x 650 x 870),</div> <div>943P10 (2050 x 750 x 40)</div> </div>				

944A13

Modular work bench



619066	Nº	3	127200	X	1174,70
	944A13				
	943P1	(665 x 650 x 870),			
	943P8	(100 x 650 x 870),			
	943P10	(2050 x 750 x 40)			

944A16

Modular work bench



619069	Nº	4	162400	X	1710,10
	944A16				
	943P2	(665 x 650 x 870),			
	943P6	(495 x 650 x 390),			
	943P8	(100 x 650 x 870),			
	943P10	(2050 x 750 x 40)			

944A19

Modular work bench



619072	Nº	3	153000	X	1616,43
	944A19				
	943P1	(665 x 650 x 870),			
	943P5	(495 x 650 x 870),			
	943P10	(2050 x 750 x 40)			

944A14

Modular work bench



619067	Nº	3	130600	X	1217,81
	944A14				
	943P2	(665 x 650 x 870),			
	943P8	(100 x 650 x 870),			
	943P10	(2050 x 750 x 40)			

944A17

Modular work bench



619070	Nº	4	136600	X	1524,41
	944A17				
	943P1	(665 x 650 x 870),			
	943P7	(495 x 650 x 390),			
	943P8	(100 x 650 x 870),			
	943P10	(2050 x 750 x 40)			

944A20

Modular work bench



619073	Nº	3	156400	X	1659,54
	944A20				
	943P3	(495 x 650 x 870),			
	943P5	(495 x 650 x 870),			
	943P10	(2050 x 750 x 40)			

944A15

Modular work bench



619068	Nº	4	159000	X	1666,99
	944A15				
	943P1	(665 x 650 x 870),			
	943P6	(495 x 650 x 390),			
	943P8	(100 x 650 x 870),			
	943P10	(2050 x 750 x 40)			

944A18

Modular work bench



619071	Nº	4	140000	X	1567,53
	944A18				
	943P2	(665 x 650 x 870),			
	943P7	(495 x 650 x 390),			
	943P8	(100 x 650 x 870),			
	943P10	(2050 x 750 x 40)			

944A21

Modular work bench



619074	Nº	3	177200	X	1819,32
	944A21				
	943P1	(665 x 650 x 870),			
	943P3	(495 x 650 x 870),			
	943P10	(2050 x 750 x 40)			

944A22

Modular work bench



Barcode	Nº	Hand	Person	Tray	Wheels
619075	944A22	3	180600	X	1862,43
					943P2 (665 x 650 x 870),
					943P3 (495 x 650 x 870),
					943P10 (2050 x 750 x 40)

944A25

Modular work bench



Barcode	Nº	Hand	Person	Tray	Wheels
619078	944A25	4	255400	X	2735,40
					943P3 (495 x 650 x 870),
					943P6 (495 x 650 x 390),
					943P10 (2050 x 750 x 40)

944A28

Modular work bench



Barcode	Nº	Hand	Person	Tray	Wheels
619081	944A28	5	192000	X	2519,75
					943P4 (495 x 650 x 870),
					943P7 (495 x 650 x 390),
					943P10 (2050 x 750 x 40)

944A23

Modular work bench



Barcode	Nº	Hand	Person	Tray	Wheels
619076	944A23	3	180800	X	1854,07
					943P1 (665 x 650 x 870),
					943P4 (495 x 650 x 870),
					943P10 (2050 x 750 x 40)

944A26

Modular work bench



Barcode	Nº	Hand	Person	Tray	Wheels
619079	944A26	5	188200	X	2804,90
					943P4 (495 x 650 x 870),
					943P6 (495 x 650 x 390),
					943P10 (2050 x 750 x 40)

944A29

Modular work bench



Barcode	Nº	Hand	Person	Tray	Wheels
619082	944A29	5	188400	X	2485,01
					943P3 (495 x 650 x 870),
					943P4 (495 x 650 x 870),
					943P7 (495 x 650 x 390),
					943P10 (2050 x 750 x 40)

944A24

Modular work bench



Barcode	Nº	Hand	Person	Tray	Wheels
619077	944A24	3	174400	X	1897,17
					943P2 (665 x 650 x 870),
					943P4 (495 x 650 x 870),
					943P10 (2050 x 750 x 40)

944A27

Modular work bench



Barcode	Nº	Hand	Person	Tray	Wheels
619080	944A27	5	252000	X	2450,26
					943P3 (495 x 650 x 870),
					943P7 (495 x 650 x 390),
					943P10 (2050 x 750 x 40)

944A30

Modular work bench



Barcode	Nº	Hand	Person	Tray	Wheels
619083	944A30	5	233200	X	2770,15
					943P3 (495 x 650 x 870),
					943P4 (495 x 650 x 870),
					943P6 (495 x 650 x 390),
					943P10 (2050 x 750 x 40)

944A31

Modular work bench



Barcode	Nº	Hand	Person	Tool	Weight
619084	944A31	5	210800	X	2627,57
	943P3				(495 x 650 x 870),
	943P4				(495 x 650 x 870),
	943P6				(495 x 650 x 390),
	943P7				(495 x 650 x 390),
	943P10				(2050 x 750 x 40)

944A32

Modular work bench



Barcode	Nº	Hand	Person	Tool	Weight
619085	944A32	5	214400	X	2662,32
	943P4				(495 x 650 x 870),
	943P6				(495 x 650 x 390),
	943P7				(495 x 650 x 390),
	943P10				(2050 x 750 x 40)

944A33

Modular work bench



Barcode	Nº	Hand	Person	Tool	Weight
619086	944A33	5	207200	X	2592,83
	943P3				(495 x 650 x 870),
	943P6				(495 x 650 x 390),
	943P7				(495 x 650 x 390),
	943P10				(2050 x 750 x 40)

944A34

Modular work bench



Barcode	Nº	Hand	Person	Tool	Weight
619149	944A34	5	207200	X	2389,94
	943P3				(495 x 650 x 870),
	943P5				(495 x 650 x 870),
	943P6				(495 x 650 x 390),
	943P7				(495 x 650 x 390),
	943P10				(2050 x 750 x 40)

944A35

Modular work bench

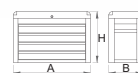


Barcode	Nº	Hand	Person	Tool	Weight
619484	944A35	4	207200	X	2040,23
	943P3				(495 x 650 x 870),
	943P5				(495 x 650 x 870),
	943P6				(495 x 650 x 390),
	943P10				(2050 x 750 x 40)

939/4EV

Tool chest Eurovision - 4 compartments

- locking system
- drawers with ball-bearing slides
- the synthetic covering protect drawers and tools from damage
- ecological lacquered with cadmium and lead free colour
- 4 drawers, dimension 560x275x70 mm
- material: sheet metal
- capacity of drawers: 30kg



Barcode	A	B	H	Person	Tool	Weight
620420	690	355	394	24800	K	378,90

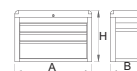


Barcode	Nº	Hand	Person	Tool	Weight
621400	939EV3	x			8,22
Partitions set-3 pieces for Eurovision tool chest					

939/3EV

Tool chest Eurovision - 3 compartments

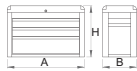
- locking system
- drawers with ball-bearing slides
- the synthetic covering protect drawers and tools from damage
- ecological lacquered with cadmium and lead free colour
- 3 drawers (two dimension 560x275x70 mm, one dimension 560x315x150 mm)
- material: sheet metal
- capacity of drawers: 30kg



Barcode	A	B	H	Person	Tool	Weight
620556	690	355	394	21600	K	359,96

938/3V
Tool chest Eurostyle - 3 compartments

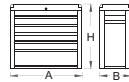
- locking system
- cover with lock, when the cover is closed the drawers will be locked
- drawers with ball-bearing slides
- the synthetic covering protect drawers and tools from damage
- ecological lacquered with cadmium and lead free colour
- 3 drawers (two dimension 563x365x70 mm, one dimension 563x400x150 mm)
- material: sheet metal
- capacity of drawers: 30kg



Barcode	A	B	H	Weight	Material	Price
615179	695	435	455	25830	K	421,09

938/5V
Tool chest Eurostyle - 5 compartments

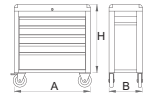
- locking system
- drawers with ball-bearing slides
- the synthetic covering protect drawers and tools from damage
- ecological lacquered with cadmium and lead free colour
- 5 drawers (four dimension 563x365x70 mm, one dimension 563x400x150 mm)
- material: sheet metal
- capacity of drawers: 30kg



Barcode	A	B	H	Weight	Material	Price
618662	695	435	615	37000	K	568,32

938/5M
Mobile tool chest with handle

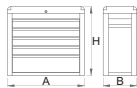
- locking system
- cover with lock, when the cover is closed the drawers will be locked
- drawers with ball-bearing slides
- the synthetic covering protect drawers and tools from damage
- ecological lacquered with cadmium and lead free colour
- 5 drawers (four dimensions 570x265x70 mm and 1 dimension 570x280x150 mm)
- 4 wheels, one with brake
- material: sheet metal
- capacity of drawers: 30kg



Barcode	A	B	H	Weight	Material	Price
612901	695	300	615	29500	K	568,81

938/5E
Tool chest Eurostyle - 5 compartments

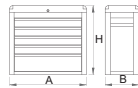
- locking system
- cover with lock, when the cover is closed the drawers will be locked
- drawers with ball-bearing slides
- the synthetic covering protect drawers and tools from damage
- ecological lacquered with cadmium and lead free colour
- 5 drawers (four dimensions 570x265x70 mm and 1 dimension 570x280x150 mm)
- material: sheet metal
- capacity of drawers: 30kg



Barcode	A	B	H	Weight	Material	Price
612497	685	300	615	25000	K	467,88

939/5E
Tool chest Eurostyle - 5 compartments

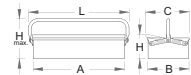
- locking system
- cover with lock, when the cover is closed the drawers will be locked
- drawers with ball-bearing slides
- the synthetic covering protect drawers and tools from damage
- ecological lacquered with cadmium and lead free colour
- 5 drawers, dimension 560x265x70 mm
- material: sheet metal
- capacity of drawers: 30kg



Barcode	A	B	H	Weight	Material	Price
611784	685	300	535	25000	K	435,14

911/1
Tool box - 1 compartment

- ecological lacquered with cadmium and lead free colour
- short type with one handle



Barcode	A	B	C	L	H	Hf	Weight	Material	Price
601907	460	210	220	500	125	220	1806	K	23,79

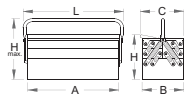
Barcode	Nº	938/3V/5V	Price
608925	940ES3	x	9,22
Partitions set- 4 pieces for 940E and 940EV			
622597	940ES3A	x	19,40
Partitions set for smal drawer 940E and 940EV			

10 Sheet metal tool boxes

911/5

Tool box - 5 compartments

- ecological lacquered with cadmium and lead free colour
- short type with one handle

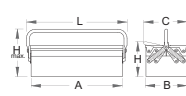


601909	A	B	C	L	H	H1	H2	K	47,26
	460	210	220	500	225	320	3956		

912/3

Tool box - 3 compartments

- ecological lacquered with cadmium and lead free colour
- long type with one handle

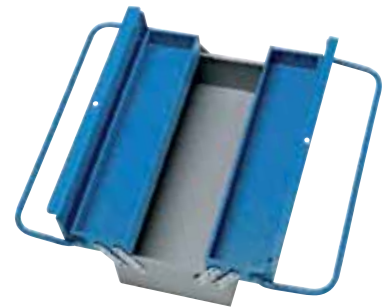


601911	A	B	C	L	H	H1	H2	K	46,37
	560	210	220	600	175	270	3834		

914/3

Tool box - 3 compartments

- ecological lacquered with cadmium and lead free colour
- short type with two handles



608538	A	B	C	L	H	H1	H2	K	37,75
	460	210	235	485	175	225	4075		

911VSOS

SOS tool tray for 911

- material: low density polyethylene foam

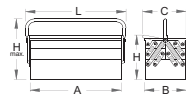


622694	B	L	H	K	V	3,97
	95	447	30	26		

912/5

Tool box - 5 compartments

- ecological lacquered with cadmium and lead free colour
- long type with one handle



601912	A	B	C	L	H	H1	H2	K	58,01
	560	210	220	600	225	320	5474		

912VSOS

SOS tool tray for 912

- material: low density polyethylene foam

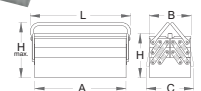


622696	B	L	H	K	V	5,57
	95	547	30	27		

914/5

Tool box - 5 compartments

- ecological lacquered with cadmium and lead free colour
- short type with two handles

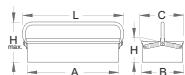


601985	A	B	C	L	H	H1	H2	K	49,17
	460	210	235	485	225	275	5000		

912/1

Tool box - 1 compartment

- ecological lacquered with cadmium and lead free colour
- long type with one handle



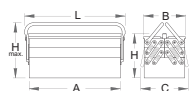
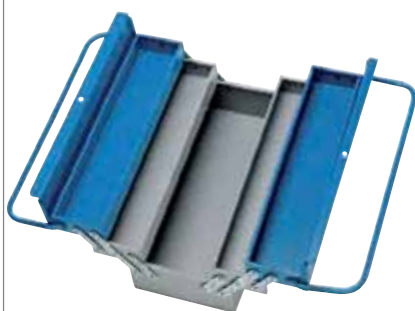
601910	A	B	C	L	H	H1	H2	K	30,16
	560	210	220	600	125	220	2531		



915/5

Tool box - 5 compartments

- ecological lacquered with cadmium and lead free colour
- long type with two handles

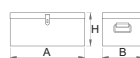


	A	B	C	L	H	H1			
607137	560	210	235	585	225	275	6000	K	56,21

960/2

Tool box

- ecological lacquered with cadmium and lead free colour
- intended for transport and storage of tools, power tools and equipment, documentation in various climatic conditions

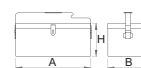


	A	B	H			
605897	840	420	335	23000	K	260,53

960/6

Installers tool box

- ecological lacquered with cadmium and lead free colour
- with synthetic belt

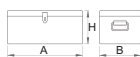


	A	B	H			
603673	550	200	230	5200	K	94,77
612989	620	200	230	4900	K	106,83

960/1

Tool box

- ecological lacquered with cadmium and lead free colour
- intended for transport and storage of tools, power tools and equipment, documentation in various climatic conditions

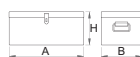


	A	B	H			
605896	700	380	310	18000	K	233,01

960/3

Tool box

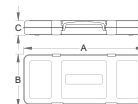
- ecological lacquered with cadmium and lead free colour
- intended for transport and storage of tools, power tools and equipment, documentation in various climatic conditions



	A	B	H			
605898	910	530	430	31000	K	308,28

K

Metal box



	Nº	A	B	C			
601918	1/4"	197	105	38	275	F	11,09
601913	3/8"	321	198	54	798	F	25,38
601954	1/2"	448	198	54	1456	F	27,65
602743	3/4"	505	215	75	2500	F	55,72
603521	1"	670	220	100	4800	F	73,72
621474	1/2VDE	448	198	54	1489	F	27,65
612694	3/8VDE	321	198	54	798	F	25,38



10 Cabinets

949

Tool cabinet

- locking system
- drawers with ball-bearing slides
- ecological lacquered with cadmium and lead free colour
- material: sheet metal



	A	B	H			
622671	695	660	2030	135000	K	1496,35

949.1

Tool cabinet

- locking system
- ecological lacquered with cadmium and lead free colour
- material: sheet metal
- is part of 949



	A	B	H			
622672	695	660	1023	48800	K	598,21

949.2

Tool cabinet

- material: sheet metal
- locking system
- 7 drawers dim. 560 x 605 x 70
- drawers with ball-bearing slides
- ecological lacquered with cadmium and lead free colour
- is part of 949



	A	B	H			
622673	695	660	1023	83400	K	898,14

949.3

Additional shelf for 949.1

- ecological lacquered with cadmium and lead free colour
- material: sheet metal



	A	B	H			
622674	689	597	32	3700	K	33,86



947

Cabinet for documents

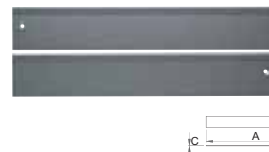
- drawers with ball-bearing slides
- ecological lacquered with cadmium and lead free colour
- wooden worktop
- 23 drawers dim. 920x363x42
- material: sheet metal
- capacity of drawers: 30kg



	A	B	H			
610954	1035	440	1150	160000	K	1670,83

947S3

Set of partitions for 947



	A	B	C			
611961	355	40	0.8	973	K	11,26

948E1

Tool cabinet

- locking system
- drawers with ball-bearing slides
- ecological lacquered with cadmium and lead free colour
- 1 drawer, dimension 560x245x70
- the interior of the cabinet is fitted with perforated steel plate
- material: sheet metal

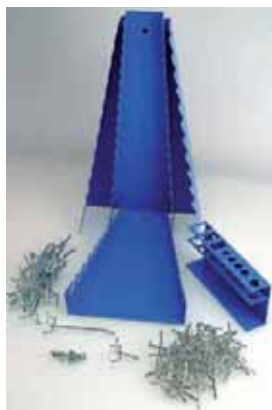


	A	B	H			
612215	700	300	900	27500	K	414,46

948E1.1

Accessories for 948E1

- accessories: hooks (35 pcs dim. 35mm, 10 pcs dim. 50mm and 20 pcs dim. 100mm), with metal stands for wrenches - 3 pcs and chisels - 1 pcs

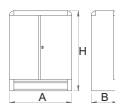


612908	2600	K	139,60

948E2

Tool cabinet

- locking system
- ecological lacquered with cadmium and lead free colour
- the interior of the cabinet is fitted with perforated steel plate
- material: sheet metal



	A	B	H			
612216	700	300	900	26000	K	369,00

948E2.1

Accessories for 948E2

- accessories: hooks (35 pcs dim. 35mm, 10 pcs dim. 50mm and 20 pcs dim. 100mm), with metal stands for wrenches - 3 pcs and chisels - 1 pcs

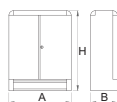


612909	2600	K	139,60

948E1S

Tool cabinet with accessories

- locking system
- drawers with ball-bearing slides
- ecological lacquered with cadmium and lead free colour
- 1 drawer, dimension 560x245x70
- the interior of the cabinet is fitted with perforated steel plate
- accessories: hooks (35 pcs dim. 35mm, 10 pcs dim. 50mm and 20 pcs dim. 100mm), with metal stands for wrenches - 3 pcs and chisels - 1 pcs

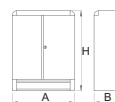


	A	B	H			
612583	700	300	900	30000	K	554,06

948E2S

Tool cabinet

- locking system
- ecological lacquered with cadmium and lead free colour
- the interior of the cabinet is fitted with perforated steel plate
- accessories: hooks (35 pcs dim. 35mm, 10 pcs dim. 50mm and 20 pcs dim. 100mm), with metal stands for wrenches - 3 pcs and chisels - 1 pcs

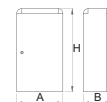


	A	B	H			
612584	700	300	900	28500	K	508,61

948E3S

Tool cabinet

- locking system
- ecological lacquered with cadmium and lead free colour
- the interior of the cabinet is fitted with perforated steel plate
- accessories: hooks (20 pcs dim. 35mm, 5 pcs dim. 50mm, and 10 pcs dim. 100mm), with metal stands for wrenches - 1 pcs and chisels - 1 pcs



	A	B	H			
612585	500	300	900	18000	K	375,14



10 Cabinets

948E3.1

Accessories for 948E3

- accessories: hooks (20 pcs dim. 35mm, 5 pcs dim. 50mm, and 10 pcs dim. 100mm), with metal stands for wrenches - 1 pcs and chisels - 1 pcs

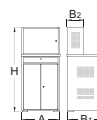


612910	1200	K	74,32

955IND1

Industrial tool cabinet

- applications: production industry; car repair shops; laboratory; ... in situations where measurements are carried out by computer
- cabinets on the top are suitable for screen (internal dimension is 625x290x430mm)
- wooden beech plate with a thickness of 20 mm
- drawer for keyboard dimension 560x450x40 mm
- in the cabinet it is a place for computer and additional equipment. It is possible to adjust the shelf in 6 different positions. Internal dimensions of cabinet are 635x630x810
- made from high quality 1 mm thick sheet metal
- cylindrical lock with flexible key
- ecological lacquered with cadmium and lead free colour

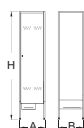


	A	B1	B2	H			
622816	715	680	310	1553	42500	K	842,44

950G1

Wardrobe cabinet for catering industry

- used for separate storage of working and private clothes
- made from high quality 0,8 mm thick sheet metal
- ecological lacquered with cadmium and lead free colour
- cylindrical lock with flexible key

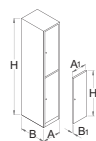


	A	B	H			
623022	500	504	2010	66000	K	534,13

950/2

Wardrobe cabinet, 2 compartments

- The wardrobes are powder painted to resist rusting. For additional protection the sheet steel is ecologically lacquered with cadmium and lead free colour. The wardrobe doors in bright colours fill each room with youthful atmosphere.
- the body of the wardrobe is made of 0.8 mm thick high quality sheet steel
- the doors are made of 1 mm thick sheet steel, reinforced against lateral torsion and bending. The doors come in six different colours (RAL 1021, RAL 3020, RAL 5010, RAL 6029, RAL 2004 and RAL 7035).

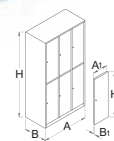


	A	B	H	A1	B1	H1			
617115	350	500	1880	300	20	875	35000	X	414,92

950/6

Wardrobe cabinet, 6 compartments

- The wardrobes are powder painted to resist rusting. For additional protection the sheet steel is ecologically lacquered with cadmium and lead free colour. The wardrobe doors in bright colours fill each room with youthful atmosphere.
- the body of the wardrobe is made of 0.8 mm thick high quality sheet steel
- the doors are made of 1 mm thick sheet steel, reinforced against lateral torsion and bending. The doors come in six different colours (RAL 1021, RAL 3020, RAL 5010, RAL 6029, RAL 2004 and RAL 7035).

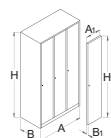


	A	B	H	A1	B1	H1			
616652	1000	500	1880	300	20	875	75000	X	960,95

950/3V

Wardrobe cabinet, 3 compartments

- The wardrobes are powder painted to resist rusting. For additional protection the sheet steel is ecologically lacquered with cadmium and lead free colour. The wardrobe doors in bright colours fill each room with youthful atmosphere.
- the doors are made of 1 mm thick sheet steel, reinforced against lateral torsion and bending. The doors come in six different colours (RAL 1021, RAL 3020, RAL 5010, RAL 6029, RAL 2004 and RAL 7035).
- the body of the wardrobe is made of 0.8 mm thick high quality sheet steel

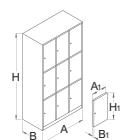


	A	B	H	A1	B1	H1			
617175	1000	500	1880	300	20	1775	75000	X	780,81

950/9

Wardrobe cabinet, 9 compartments

- The wardrobes are powder painted to resist rusting. For additional protection the sheet steel is ecologically lacquered with cadmium and lead free colour. The wardrobe doors in bright colours fill each room with youthful atmosphere.
- the doors are made of 1 mm thick sheet steel, reinforced against lateral torsion and bending. The doors come in six different colours (RAL 1021, RAL 3020, RAL 5010, RAL 6029, RAL 2004 and RAL 7035).
- the body of the wardrobe is made of 0.8 mm thick high quality sheet steel



	A	B	H	A1	B1	H1			
617116	1000	500	1880	300	20	575	95000	X	1187,20

950.1

Frame for identification card



617188	24	V		3,92

950.3

Shelf for 950/9,6,3,2,1



617177	2170	X		16,86

950.4

Waved plastic insert for 950/9,6,3,2,1



617187	150	V		6,57

K950

Key with lock for wardrobe cabinet



617180	70	V		19,45

K950COMB

Key with combination lock for wardrobe cabinet



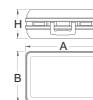
617183	216	X		54,48

10 Tool cases

969S

Tool case

- case shells made of dentproof ABS material
- robust aluminium frame with protection for the sharp edges
- two lockable clip locks
- combination lock
- document partition in the lid (A4 format)
- variable floor shell
- interior dimension: 455x345x160 mm
- volume: 26 l
- payload 25 kg

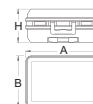


		A	B	C			
①	969S	Tool case					
	621631	485	380	175	4200	F	197,10
②	969.5S	Set of pocket walls for 969S					
	623152				1476	V	39,36
Spare parts							
	969.4S	Partitions - 3pcs for 969S					
	621643				645	V	25,77

969L

Tool case

- mobile case with user-friendly telescopic handle
- case shells made of dentproof ABS material
- robust aluminium frame with protection for the sharp edges
- two lockable clip locks
- combination lock
- document partition in the lid (A4 format)
- variable floor shell
- interior dimension: 485x350x195 mm
- volume: 36 l
- payload: 30 kg



		A	B	C			
①	969L	Tool case					
	621633	510	405	270	6400	F	302,01
②	969.5L	Set of pocket walls for 969L					
	623153				1587	V	66,00
Spare parts							
	969.4L	Partitions - 3pcs for 969L					
	621645				825	V	25,77



977/2

Metal stand for combination wrenches - long type

- material: sheet metal
- ecological lacquered with cadmium and lead free colour



		A	B	H			
605161	6 - 22/17	215	55	420	590	F	11,72

977/5

Metal stand for combination wrenches, long type

- material: sheet metal
- ecological lacquered with cadmium and lead free colour



		A	B	H			
607386	6 - 32/26	305	65	730	890	F	30,36

975

Metal stand for catalogue

- material: sheet metal
- ecological lacquered with cadmium and lead free colour



	A	B	H			
622592	632	640	1620	19600	K	349,63

977/3

Metal stand for combination wrenches - short type

- material: sheet metal
- ecological lacquered with cadmium and lead free colour



		A	B	H			
605162	6 - 22/17	115	60	420	790	F	11,72

977/6

Metal stand for combinations wrenches, short type

- material: sheet metal
- ecological lacquered with cadmium and lead free colour



		A	B	H			
607387	6 - 32/26	205	65	730	890	F	34,47

977/1

Metal stand for open end wrenches

- material: sheet metal
- ecological lacquered with cadmium and lead free colour



		A	B	H			
605160	6 - 32/12	180	50	330	420	F	11,72

977/4

Metal stand for offset ring wrenches

- material: sheet metal
- ecological lacquered with cadmium and lead free colour



		A	B	H			
605163	6 - 32/12	220	80	410	890	F	12,98

977/7

Metal stand for screwdrivers with T-handle



608355	890	F	21,37

10 Metal stands

978E

Display stand for electronic screwdrivers

- material: acryl glass

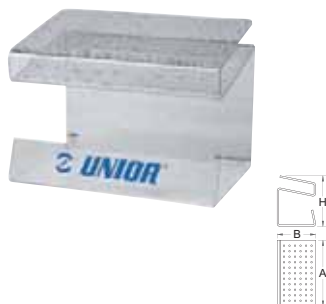


Barcode	A	B	H	Weight	Volume	Price
609950	230	135	185	813	F	80,42

978BICR

Display stand for screwdrivers TBI and CR

- material: acryl glass



Barcode	A	B	H	Weight	Volume	Price
609951	330	205	206	2094	F	66,54

978VDE

Display stand for screwdrivers VDE

- material: acryl glass



Barcode	A	B	H	Weight	Volume	Price
609952	330	205	240	2094	F	73,58

979

Metal stand for bolt cutter

- material: sheet metal
- ecological lacquered with cadmium and lead free colour



Barcode	A	B	H	Weight	Volume	Price
621375	500	415	1180	19400	K	277,94

ST.UNI1

Carton stand for CS sets

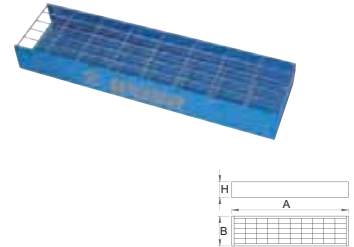


Barcode	A	B	H	Weight	Volume	Price
621018	670	430	1680	5600	K	124,71

980E

Metal stand for tin snips

- material: sheet metal
- ecological lacquered with cadmium and lead free colour

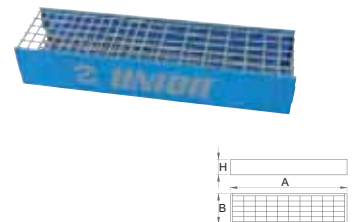


Barcode	A	B	H	Weight	Volume	Price
611898	530	136	63	1188	K	32,66

980F

Metal stand for chisels and punches

- material: sheet metal
- ecological lacquered with cadmium and lead free colour

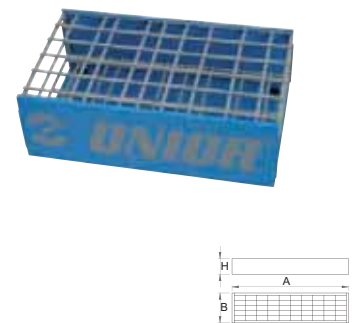


Barcode	A	B	H	Weight	Volume	Price
612211	410	110	78	1267	K	33,85

980G

Metal stand for mason's chisels

- material: sheet metal
- ecological lacquered with cadmium and lead free colour



Barcode	A	B	H	Weight	Volume	Price
612212	530	136	63	821	K	18,18

980P2**Metal stand for two arms pullers**

- material: sheet metal
- ecological lacquered with cadmium and lead free colour



	A	B	H			
612653	240	200	430	2179	K	35,71

980P2S**Metal stand for two sliding arms pullers**

- material: sheet metal
- ecological lacquered with cadmium and lead free colour



	A	B	H			
615083	240	250	430	2179	K	41,03

980P3A**Metal stand for three arms pullers**

	A	B	H			
622675	283	329	428	3500	K	109,82

981PBS1**Plastic box for socket wrenches**

	A	B	H			
621620	197	167	35	140	F	7,33

981PBM1**Plastic box for socket wrenches**

	A	B	H			
619768	197	167	47	152	F	7,33

981PBS2**Plastic box for socket wrenches**

	A	B	H			
621621	307	260	55	380	F	16,97

981PBM2**Plastic box for socket wrenches**

	A	B	H			
619769	307	260	74	420	F	16,97

981PBS3**Plastic box for socket wrenches**

	A	B	H			
621622	346	292	62	510	F	20,05

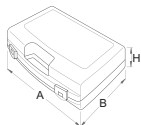
981PBM3**Plastic box for socket wrenches**

	A	B	H			
619770	346	292	83	568	F	20,05

10 Plastic boxes

981PB4

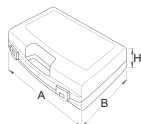
Plastic box for socket wrenches



619771	A	B	H			
393	331	95	771	F		37,45

981PBS5

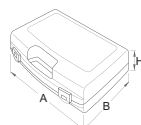
Plastic box for socket wrenches



621618	A	B	H			
244	207	44	290	F		16,11

981PBM5

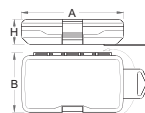
Plastic box for socket wrenches



621619	A	B	H			
244	207	59	240	F		16,11

982PB1

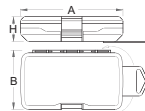
Small plastic box for bits



621425	A	B	H			
145	85	30	76	X		2,65

982PB2

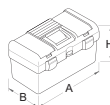
Big plastic box for bits



621426	A	B	H			
145	85	40	92	X		2,65

917

Plastic tool box



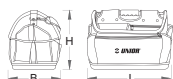
619765	Nº	A	B	H			
619765	A	514	280	260	1930	F	33,78
619766	B	406	252	244	1540	F	24,77
619767	C	394	215	195	920	F	18,38



1100

Large tool case for maintenance

- Material: Polyester 600D
- Square shape support keeps the case stable and vertical to prevent any danger of spillage of equipment
- Internal pockets for tools provide good organisation inside the case
- Heavy-duty steel handle with ergonomic shape of grip made of foam makes lifting more secure and comfortable
- Parts made from stainless steel do not stain, corrode or rust. The surface finish is an essential part of the look and functionality of a stainless steel structure.
- Strong Rivets; Riveted – for truly unbeatable strength. All places which are prone to extra damage are reinforced with one-piece self-punching rivets with capped design.
- You can easily organise your tools inside the case
- Open design for quick tool recognition



Barcode	L	B	H	Weight	Volume	Price
620585	530	360	355	2447	0.9	90,04

1102

General Purpose Pouch

- Material: Polyester 600D
- Side-Gate stainless steel metal hammer holder to keep hammer at a comfortable angle, new solution with side gate allows easy location of the hammer without looking at the holder
- Metal clip holds any common measuring tapes
- Leather slot for your knife
- Universal tool loops holds larger tools snugly so they are always handy when needed
- Parts made from stainless steel do not stain, corrode or rust. The surface finish is an essential part of the look and functionality of a stainless steel structure.
- Strong Rivets; Riveted – for truly unbeatable strength. All places which are prone to extra damage are reinforced with one-piece self-punching rivets with capped design.



Barcode	L	B	H	Weight	Volume	Price
620587	315	195	260	496	0.3	26,80

1101

Small tool case for maintenance

- Material: Polyester 600D
- Open design for quick tool recognition
- Wide main pocket holds plenty of tools.
- Rubber waterproof bottom for maximum tool protection.
- Chain hook 13,5 cm long provides easy access to insulation tapes or flex. Designed to carry one or more electrical tapes. Possible to use for different type of small tools or parts with inside hole design.
- Metal clip holds any common measuring tapes
- Parts made from stainless steel do not stain, corrode or rust. The surface finish is an essential part of the look and functionality of a stainless steel structure.
- Strong Rivets; Riveted – for truly unbeatable strength. All places which are prone to extra damage are reinforced with one-piece self-punching rivets with capped design.
- Adjustable shoulder strap makes lifting more comfortable
- Rubber handle to enable easy carrying



Barcode	L	B	H	Weight	Volume	Price
620586	340	210	300	980	0.4	44,26

1103

Three Pouch Belt Set

- Material: Polyester 600D
- A professional solution for busy carpenters and builders features 5 handy pockets to cover most trade applications
- Easy to adjust, comfortable nylon belt with 40 mm polypropylene quick release buckle
- Strong Rivets; Riveted – for truly unbeatable strength. All places which are prone to extra damage are reinforced with one-piece self-punching rivets with capped design.
- Screwdriver holders made from real leather provide convenient storage
- Side-Gate stainless steel metal hammer holder to keep hammer at a comfortable angle, new solution with side gate allows easy location of the hammer without looking at the holder
- Metal clip holds any common measuring tapes



Barcode	L	B	H	Weight	Volume	Price
620588	675	150	250	825	0.3	47,34

10 Plastic boxes

1104

Quick Release Belt

- Material: Polyester 600D
- Padded by 3D mesh breathable material for extra comfort when carrying heavy tools
- Designed to take any Unior Pouch or Holster
- With strong 40 mm, easy to open polypropylene quick release buckles. Designed to prevent accidental release.
- Curved profile for better fit.



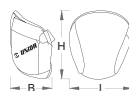
620589	L	H	Person	Icon	Price
620589	1300	60	201	G	12,04



1105

Knee Pads

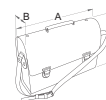
- Material: Polyester 600D
- Flexible lightweight knee pads, made from Anti - Slip material on surface that contacts the floor ideal for most applications including general construction
- Breathable extra 3D mesh lining provides maximum cushioning for comfortable all day wear.
- One size fits all. Straps made of elastic with VELCRO easy to adapt the length to your size Knee Pads Light Duty
- Maximum comfort when kneeling



620590	L	B	H	Person	Icon	Price
620590	180	90	210	215	G	23,21

909

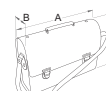
Electrical bag



601939	A	B	H	Person	Icon	Price
601939	420	140	320	2400	F	170,62

909/1

Electrical bag

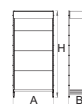
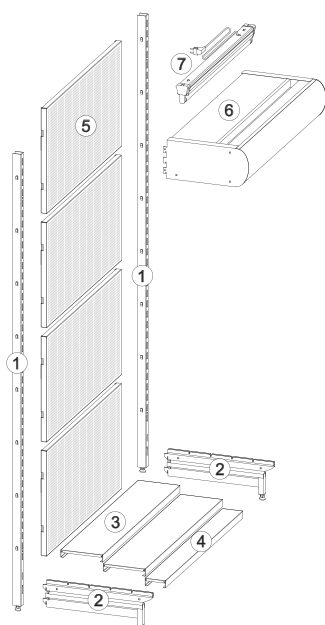


602552	A	B	H	Person	Icon	Price
602552	350	110	300	1542	F	126,71

995D, 995DL, 995D1, 995D1L

Merchandiser with holes perforation

- material: perforated steel - plate
- ecological lacquered with cadmium and lead free colour
- with 100 hooks
- self supporting
- used for connecting two merchandiser in 90° angle

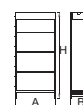
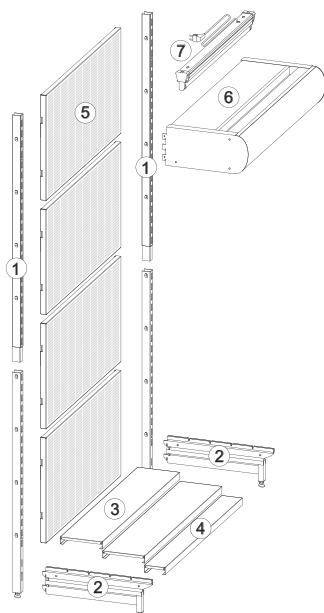


	A	B	H	Person	Icon	1	2	3	4	5	6	7	Price
995D Merchandiser with holes perforation													
616506	950	560	2200	38200	X	2	2	2	1	4	1		516,85
995DL Merchandiser with holes perforation and light													
616508	950	560	2200	54000	X	2	2	2	1	4	1	1	620,22
995D1 Additional merchandiser with holes perforation													
616507	935	560	2200	31800	X	1	1	2	1	4	1		456,20
995D1L Additional merchandiser with holes perforation and light													
616509	935	560	2200	32800	X	1	1	2	1	4	1	1	585,57

995DNL, 995DN1, 995DN1L

Merchandiser with holes perforation and light

- with two separable support legs
- material: perforated steel - plate
- ecological lacquered with cadmium and lead free colour
- with 100 hooks
- used for connecting two merchandiser in 90° angle

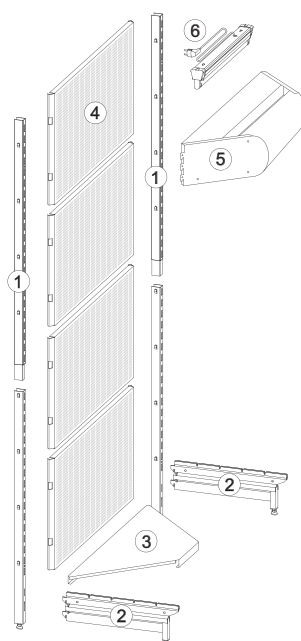


		A	B	C			1	2	3	4	5	6	7	
995DNL	Merchandiser with holes perforation and light													
	620570	950	560	2200	55500	X	2	2	2	1	4	1	1	636,37
995DN1	Additional merchandiser with holes perforation													
	620571	935	560	2200	31800	X	1	1	2	1	4	1		464,27
995DN1L	Additional merchandiser with holes perforation and light													
	620572	935	560	2200	48400	X	1	1	2	1	4	1	1	593,65

995VDN, 995VDNL, 995ZDN, 995ZDNL

Angle merchandiser with holes perforation

- with two separable support legs
- material: perforated steel - plate
- ecological lacquered with cadmium and lead free colour
- with 100 hooks
- used for connecting two merchandiser in 90° angle



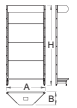
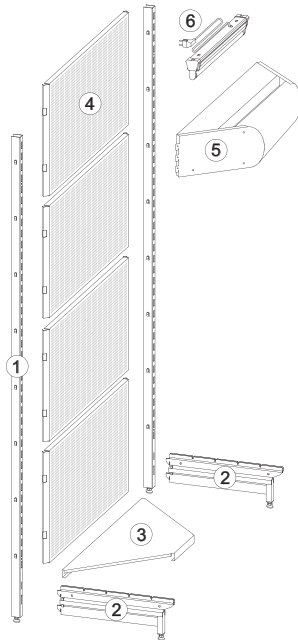
		A	B	H			1	2	3	4	5	6	
995VDN	Angle merchandiser with holes perforation												
	620573	1070	410	2200	50000	X	2	2	1	4	1		534,40
995VDNL	Angle merchandiser with holes perforation and light												
	620574	1070	410	2200	46000	X	2	2	1	4	1	1	592,21
995ZDN	End additional angle merchandiser with holes perforation												
	620575	1050	410	2200	40500	X	1	1	1	4	1		491,63
995ZDNL	End additional angle merchandiser with holes perforation and light												
	620576	1050	410	2200	42400	X	1	1	1	4	1	1	552,70

10 Merchandisers and accessories

995VD, 995VD1, 995VDL, 995VD1L, 995ZD, 995ZDL

Angle merchandiser with hole perforation

- material: perforated steel - plate
- ecological lacquered with cadmium and lead free colour
- with 100 hooks
- self supporting
- used for connecting two merchandiser in 90° angle

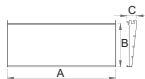
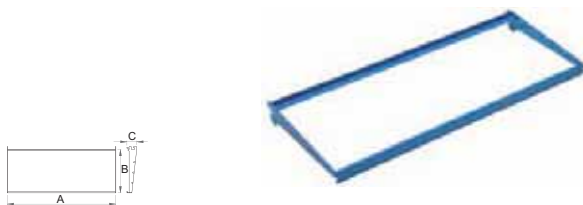


		A	B	H		1	2	3	4	5	6	
995VD	Angle merchandiser with hole perforation											
617809		1070	410	2200	4560	X	2	2	1	4	1	518,26
995VDL	Angle merchandiser with hole perforation and light											
617810		1070	410	2200	46900	X	2	2	1	4	1	576,07
995VD1	Additional angle merchandiser with hole perforation											
617811		1030	410	2200	32000	X			1	4	1	430,65
995VD1L	Additional angle merchandiser with hole perforation and light											
617812		1030	410	2200	33300	X			1	4	1	491,58
995ZD	End additional angle merchandiser with hole perforation											
617813		1050	410	2200	38800	X	1	1	1	4	1	483,56
995ZDL	End additional angle merchandiser with hole perforation and light											
617814		1050	410	2200	40100	X	1	1	1	4	1	544,62

995CH

Support for rack - 995CH

- material: sheet metal
- for use with a merchandiser 995C, 995D, 995E
- for rack 995 CP1 and 995 CP2
- ecological lacquered with cadmium and lead free colour

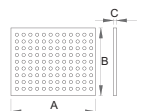


	A	B	C				
616621	950	410	90		3314	K	42,82

995CP1

Rack for screwdriver

- material: sheet metal
- used with support 995 CH
- ecological lacquered with cadmium and lead free colour



	A	B	C				
616622	475	410	20		3227	K	36,71

995CP2

Rack for socket 1/2" and 1/4"

- material: sheet metal
- used with support 995 CH
- ecological lacquered with cadmium and lead free colour



	A	B	C				
616623	950	410	20		6200	K	92,37

995CP3

Support for rack for 995

- material: sheet metal
- ecological lacquered with cadmium and lead free colour



	A	B	C				
616624	950	410	20		3658	K	36,28

995.2A

Separable support leg for merchandiser

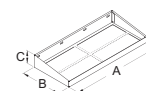


	A	B	C				
620560	2180	41	41	4670	K		54,80

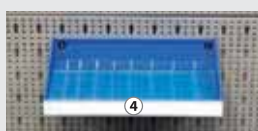
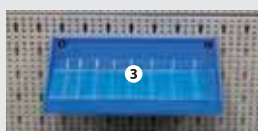
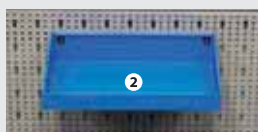
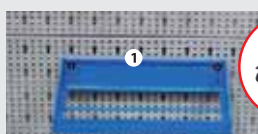
995MD

Modular holder for merchandiser

- material: sheet metal
- for use with a merchandiser 995C, 995D, 995E
- ecological lacquered with cadmium and lead free colour

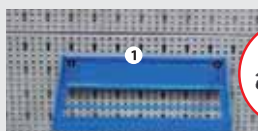


1



		A	B	C				
1	995.0MD	Modular holder for merchandiser						
	621484	320	215	63	1	759	K	28,16
2	995.1MD	Bottom for modular holder						
	621485	320	215	63	1	405	K	13,29
3	995.6MD7	Set of 2 partitions divider and 5 partitions						
	621491				7	122	E	9,17
4	995.2MD	Label holder						
	621486	315	45		1	60	E	2,48
Spare parts								
	995.3MD5,5	Pin screw						
	621487		5,5			2,8	V	1,04
	995.3MD6,5	Pin screw						
	621488		6,5			1,6	V	0,82
	995.5MD5	Set of 5 partitions						
	621490				5	100	E	5,21
	995.4MD2	Set of 2 partitions divider						
	621489		314		2	60	E	3,97

2



		A	B	C				
1	995.0MD	Modular holder for merchandiser						
	621484	320	215	63	1	759	K	28,16
4	995.2MD	Label holder						
	621486	315	45			60	E	2,48
5	995.7MDSOSPLIP6	SOS tool tray for pliers						
	623150					40	E	3,28
6	995.7MDSOSWP6	SOS tool tray for waterpump pliers						
	623149					40	E	3,28
7	995.7MDSOS85P24	SOS tool tray for screwdrivers						
	621492					30	E	3,28
8	995.7MDSOS100P12	SOS tool tray for screwdrivers						
	621493					28	E	3,28
9	995.7MDSOS110P12	SOS tool tray for screwdrivers						
	621494					30	E	3,28
10	995.7MDSOS120P10	SOS tool tray for screwdrivers						
	621495					27	E	3,28
11	995.7MDSOSEP40	SOS tool tray for elektronik screwdrivers						
	621496					29	E	3,28
Spare parts								
	995.3MD5,5	Pin screw						
	621487		5,5			2,8	V	1,04
	995.3MD6,5	Pin screw						
	621488		6,5			1,6	V	0,82

explanation of article: 995.7MDSOS85P24

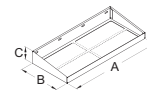
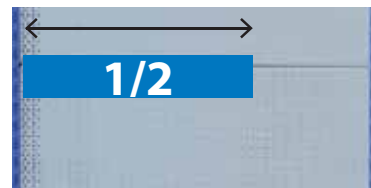
995.7MD	basic article
SOS	foam tool tray
85	L - C is dimension - length of screwdriver handle
P24	number of products inserted into SOS tool tray
E	elektronik screwdriver
W	waterpump pliers dim. 240 (447/1HPP, 449/1PYTHON, 442/1HYPO, 445/1BI)
PLI	standard pliers dim. 160 and 180 (406/1BI, 461/1BI, ..)

10 Merchandisers and accesories

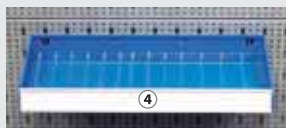
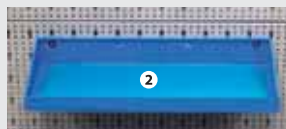
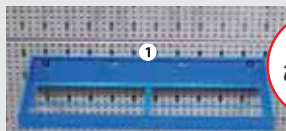
995MD

Modular holder for merchandiser

- material: sheet metal
- for use with a merchandiser 995C, 995D, 995E
- ecological lacquered with cadmium and lead free colour

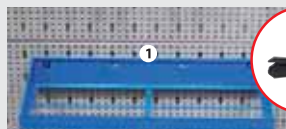


1



		A	B	C				
1	995.0MD1	Modular holder for merchandiser						
	621607	480	215	63	1	994	K	49,50
2	995.1MD1	Bottom for modular holder						
	621609	472	207	1.5	1	641	K	22,52
3	995.61MD12	Set of 2 partitions divider and 10 partitions						
	621614				12	250	E	16,12
4	995.2MD1	Label holder						
	621611	475	45		1	75	E	5,80
Spare parts								
	995.3MD5,5	Pin screw						
	621487		5,5			2,8	V	1,04
	995.3MD6,5	Pin screw						
	621488		6,5			1,6	V	0,82
	995.5MD5	Set of 5 partitions						
	621490				5	100	E	5,21
	995.41MD2	Set of 2 partitions divider						
	621613		470		2	70	E	5,70

2



		A	B	C				
1	995.0MD1	Modular holder for merchandiser						
	621607	480	215	63	1	994	K	49,50
4	995.2MD1	Label holder						
	621611	475	45		1	75	E	5,80
5	995.7MDSOSPLIP6	SOS tool tray for pliers						
	623150					40	E	3,28
6	995.7MDSOSWP6	SOS tool tray for waterpump pliers						
	623149					40	E	3,28
7	995.7MDSOS85P24	SOS tool tray for screwdrivers						
	621492					30	E	3,28
8	995.7MDSOS100P12	SOS tool tray for screwdrivers						
	621493					28	E	3,28
9	995.7MDSOS110P12	SOS tool tray for screwdrivers						
	621494					30	E	3,28
10	995.7MDSOS120P10	SOS tool tray for screwdrivers						
	621495					27	E	3,28
11	995.7MDSOSEP40	SOS tool tray for electronic screwdrivers						
	621496					29	E	3,28
Spare parts								
	995.3MD5,5	Pin screw						
	621487		5,5			2,8	V	1,04
	995.3MD6,5	Pin screw						
	621488		6,5			1,6	V	0,82

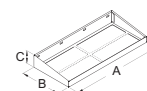
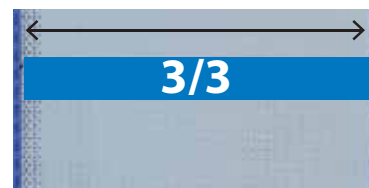
explanation of article: 995.7MDSOS85P24

995.7MD	basic article
SOS	foam tool tray
85	L - C is dimension - length of screwdriver handle
P24	number of products inserted into SOS tool tray
E	electronic screwdriver
W	waterpump pliers dim. 240 (447/1HPP, 449/1PYTHON, 442/1HYPO, 445/1BI)
PLI	standard pliers dim. 160 and 180 (406/1BI, 461/1BI, ..)

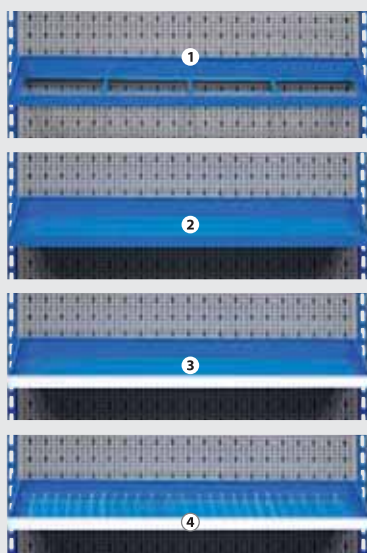
995MD

Modular holder for merchandiser

- material: sheet metal
- for use with a merchandiser 995C, 995D, 995E
- ecological lacquered with cadmium and lead free colour

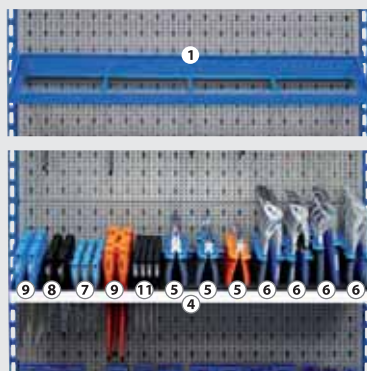


1



		A	B	C				
1	995.0MD2	Modular holder for merchandiser						
	621608	960	215	63	1	2128	K	92,01
2	995.1MD2	Bottom for modular holder						
	621610	944	207	1.5	1	1285	K	30,11
3	995.62MD24	Set of 2 partitions divider and 10 partitions						
	623203				24	500	E	16,12
4	995.2MD2	Label holder						
	621612	950	45		1	150	E	11,55
Spare parts								
			L					
	995.5MD5	Set of 5 partitions						
	621490				5	100	/	5,21
	995.41MD2	Set of 2 partitions divider						
	621489		314		2	70	/	3,97

2



		A	B	C				
1	995.0MD2	Modular holder for merchandiser						
	621608	960	215	63	1	2128	K	92,01
4	995.2MD2	Label holder						
	621612	950	45		1	150	E	11,55
5	995.7MDSOSPLIP6	SOS tool tray for pliers						
	623150					40	E	3,28
6	995.7MDSOSWP6	SOS tool tray for waterpump pliers						
	623149					40	E	3,28
7	995.7MDSOS85P24	SOS tool tray for screwdrivers						
	621492					30	E	3,28
8	995.7MDSOS100P12	SOS tool tray for screwdrivers						
	621493					28	E	3,28
9	995.7MDSOS110P12	SOS tool tray for screwdrivers						
	621494					30	E	3,28
10	995.7MDSOS120P10	SOS tool tray for screwdrivers						
	621495					27	E	3,28
11	995.7MDSOSEP40	SOS tool tray for elektronick screwdrivers						
	621496					29	E	3,28

explanation of article: 995.7MDSOS85P24

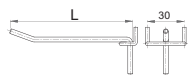
995.7MD	basic article
SOS	foam tool tray
85	L - C is dimension - length of screwdriver handle
P24	number of products inserted into SOS tool tray
E	electronic screwdriver
W	waterpump pliers dim. 240 (447/1HPP, 449/1PYTHON, 442/1HYPO, 445/1BI)
PLI	standard pliers dim. 160 and 180 (406/1BI, 461/1BI, ..)

10 Merchandisers and accesories

997.1

Hook

- for display boards, display panel and tool cabinets
- it is possible to fix the hangers in a required position
- chrome plated

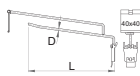


	L	D			
609478	35	4	20	V	0,57
609479	50	4	21	V	0,59
609480	80	4	15	V	0,62
609447	100	4	16	V	0,65
610559	150	4	30	V	0,92
610560	200	4	37	V	1,05

997.3

Hook with price holder

- for display boards, display panel and tool cabinets
- it is possible to fix the hangers in a required position
- chrome plated



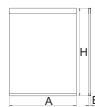
	L	D			
617085	150	5	50	F	2,20



996/2

Merchandiser

- material: perforated steel - plate
- intended for hanging various hand tools on hangers of convenient type
- it is possible to fix the hangers permanently
- easy location of tools
- possibility of combining tool panels of different sizes

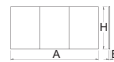
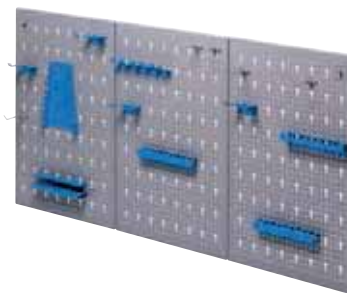


	A	B	H			
605114	900	22	972	10000	K	126,04

997

Display panel

- material: perforated steel-plate
- intended for hanging various hand tools on hangers of convenient type
- it is possible to fix the hangers permanently
- easy location of tools
- possibility of combining tool panels of different sizes
- with set 997.2

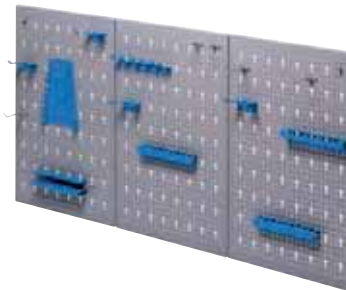


	A	B	H			
607154	1192	20	595	5000	K	134,71

997.2

Accessories for display panels

- metal stand for screwdrivers 2 pcs, metal stand for chisels 1 pcs, metal hangers for hammers 4 pcs, metal hanger for wrenches 1 pcs, metal hanger for files 1 pcs, metal hanger for drills 1 pcs, hooks 5 pcs



610453	845	K		39,81

998A

Mobile merchandiser

- material: perforated steel - plate
- ecological lacquered with cadmium and lead free colour



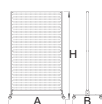
	A	B	H			
616514	1000	570	1590	25400	K	299,13



998B

Mobile merchandiser with full wall

- material: perforated steel - plate
- ecological lacquered with cadmium and lead free colour

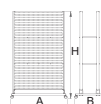


	A	B	H			
616515	1000	570	1590	40000	K	435,88

998C

Mobile merchandiser with middle shelf

- material: perforated steel - plate
- ecological lacquered with cadmium and lead free colour



	A	B	H			
617076	1000	570	1590	52600	K	569,13

998.1A

Narrow holder for 998A

- material: perforated steel - plate
- ecological lacquered with cadmium and lead free colour



	A	B	C			
616516	890	47	18	1788	K	33,42

998.2A

Wide holder for 998A

- material: perforated steel - plate
- ecological lacquered with cadmium and lead free colour



	A	B	C			
616517	890	167	18	3947	K	67,05

998.3

Column for 998B

- material: sheet metal
- ecological lacquered with cadmium and lead free colour

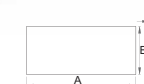


	A	B	C			
616519	1500	40	20	2000	X	53,64

998.4

Additional shelf for 998C

- material: sheet metal
- ecological lacquered with cadmium and lead free colour



	A	B	C			
616520	904	397	20	3658	K	55,29





Accuracy in measurement

Measuring tapes, torque wrenches with overload protection, vernier callipers (digital as well), spirit levels, try-squares, mason's levels and feeler gauges are excellent representatives of accurate measuring instruments, without which a successful planning and execution of work is simply impossible to imagine.



Test-safe use

Measuring tools are precise and at the same time simple to use – both in general measurements with classic measuring tapes in different variants as well as in specific masonry and locksmith works, in gauging threads, etc.



Multiple versions

Unior precision tools are available in classic variants and state-of-the-art digital versions with added timers and other features. All tools are designed and manufactured in accordance with the current international standards.

260

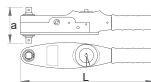
Dial torque wrench 1/4"

1/4"

- double ended ratcheting spindles
- with overload protection
- visual signal by pointer, when set torque is reached
- supplied in durable storage case
- made according to standard ISO 6789
- dual scale lbf.ft and Nm

Important!

- Do not use torque wrench for untightening!
- Torque tightens only in the direction showed on the key sticker! Sticker shows the proper direction of tightening!
- The default calibration interval of the torque wrench is 12 months or 5.000 measurements from the date of end user purchase.
- ALWAYS set the measuring mechanism to starting point, at the end of work.
- When the requested torque are reached, please do not tight any more.
- Torque wrench can be damaged, if manual instructions are not considered.



			a	L				
607138	2.4 - 12	4 - 120	61	244	1/4"	815		603,83

261

Dial torque wrench 3/8"

3/8"

- double ended ratcheting spindles
- with overload protection
- visual signal by pointer, when set torque is reached
- supplied in durable storage case
- made according to standard ISO 6789
- dual scale lbf.ft and Nm

Important!

- Do not use torque wrench for untightening!
- Torque tightens only in the direction showed on the key sticker! Sticker shows the proper direction of tightening!
- The default calibration interval of the torque wrench is 12 months or 5.000 measurements from the date of end user purchase.
- ALWAYS set the measuring mechanism to starting point, at the end of work.
- When the requested torque are reached, please do not tight any more.
- Torque wrench can be damaged, if manual instructions are not considered.

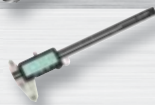


			a	L				
607139	8 - 40	20 - 360	69	244	3/8"	813		603,83



Torque wrenches

284 - 288



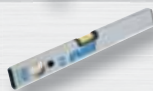
Digital vernier, torque multiplier

288 - 289



Measuring tape

289 - 290



Spirit level

290 - 291



Squares

292



Masons profiles

293



Scriber, flat rule, plumb, pencil

293

262

Dial torque wrench 1/2"

1/2"

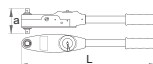
- double ended ratcheting spindles
- with overload protection
- visual signal by pointer, when set torque is reached
- supplied in durable storage case
- made according to standard ISO 6789
- dual scale lbf.ft and Nm

Important!

- Do not use torque wrench for untightening!
- Torque tightens only in the direction showed on the key sticker! Sticker shows the proper

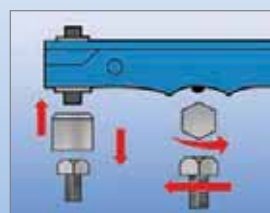
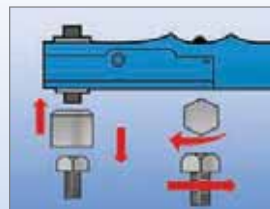
direction of tightening!

- The default calibration interval of the torque wrench is 12 months or 5,000 measurements from the date of end user purchase.
- ALWAYS set the measuring mechanism to starting point, at the end of work.
- When the requested torque are reached, please do not tight any more.
- Torque wrench can be damaged, if manual instructions are not considered.



FEATURES OF

260, 262



607140



16 - 80



50 - 600



a



L



1/2"



1965



F



918,29



12 Torque wrenches

263B

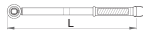
Slipper torque wrench 1/2"

1/2"

- Accuracy: $\pm 3\%$
- micrometer scale for simple and error free settings
- adjustment lock to set torque
- Torque application: oneway, but always apply in direction specified on torque wrench handle
- ratchet: works both ways, 75teeth and 5° increments
- handle: Two component material
- dual scale lbf.ft and Nm

Important!

- Do not use torque wrench for untightening!
- Torque tightens only in the direction showed on the key sticker! Sticker shows the proper direction of tightening!
- The default calibration interval of the torque wrench is 12 months or 5.000 measurements from the date of end user purchase.
- ALWAYS set the measuring mechanism to starting point, at the end of work.
- When the requested torque are reached, please do not tight any more.
- Torque wrench can be damaged, if manual instructions are not considered.



Barcode	Nm	lbf.ft	L	Head	Handle	Weight	Price
620109	8 - 50	8 - 35	280	1/2"	615	177,19	

263A

Slipper torque wrench 1/2"

1/2"

- Accuracy: $\pm 3\%$
- micrometer scale for simple and error free settings
- adjustment lock to set torque
- Torque application: bothway, but always apply in direction specified on torque wrench handle
- handle: Two component material
- dual scale lbf.ft and Nm

Important!

- Do not use torque wrench for untightening!
- Torque tightens only in the direction showed on the key sticker! Sticker shows the proper direction of tightening!
- The default calibration interval of the torque wrench is 12 months or 5.000 measurements from the date of end user purchase.
- ALWAYS set the measuring mechanism to starting point, at the end of work.
- When the requested torque are reached, please do not tight any more.
- Torque wrench can be damaged, if manual instructions are not considered.



Barcode	Nm	lbf.ft	L	Head	Handle	Weight	Price
620110	30 - 150	20 - 110	455	1/2"	1300	185,63	
620111	50 - 250	40 - 185	560	1/2"	1645	210,94	

263L

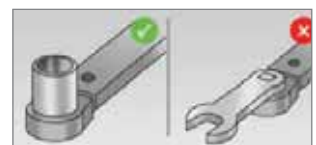
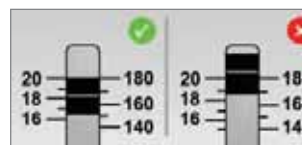
Slipper torque wrench 1/2"

1/2"

- double ended ratcheting spindles
- Torque application: bothway, but always apply in direction specified on torque wrench handle
- with overload protection
- visual signal by pointer, when set torque is reached
- supplied in durable storage case
- dual scale lbf.ft and Nm
- Default value for the recalibration interval is 12 month of use, or approximately 5.000 cycles!
- made according to standard ISO 6789

Important!

- Do not use torque wrench for untightening!
- Torque tightens only in the direction showed on the key sticker! Sticker shows the proper direction of tightening!
- The default calibration interval of the torque wrench is 12 months or 5.000 measurements from the date of end user purchase.
- ALWAYS set the measuring mechanism to starting point, at the end of work.
- When the requested torque are reached, please do not tight any more.
- Torque wrench can be damaged, if manual instructions are not considered.



Barcode	Nm	lbf.ft	L	Head	Handle	Weight	Price
607948	60 - 330	45 - 250	675	1/2"	1710	344,96	

264

Slipper torque wrench

- reversible ratchet head
- Torque application: oneway, but always apply in direction specified on torque wrench handle
- ratchet operates in clockwise and anti-clockwise directions
- for tightening on left and right hand threads
- unmistakable signal when set torque is reached
- Default value for the recalibration interval is 12 month of use, or approximately 5.000 cycles!
- made according to standard ISO 6789
- dual scaled, Nm and Kgm

Important!

- Do not use torque wrench for untightening!
- Torque tightens only in the direction showed on the key sticker! Sticker shows the proper direction of tightening!
- The default calibration interval of the torque wrench is 12 months or 5.000 measurements from the date of end user purchase.
- ALWAYS set the measuring mechanism to starting point, at the end of work.
- When the requested torque are reached, please do not tight any more.
- Torque wrench can be damaged, if manual instructions are not considered.

STEP BY STEP operating 264 Torque wrench:

1. unscrewing the bottom bolt, to release screw for torque adjustment

2. adjust to designated torque



3. screw back bottom bolt, to fix torque adjustment

4. ADJUST and START tightening (prescribed torque direction)

5. when you hear audio signal (click), the designated torque is reached - STOP TIGHTENING!



Barcode	Size	Range (Nm)	Length (mm)	Weight (kg)	Material	Price
615485	1/4"	2 - 24	275	686	F	76,16
615486	3/8"	5 - 110	306	1100	F	76,16
615487	1/2"	28 - 210	450	1680	F	76,16
615488	1/2"	35 - 350	635	2930	F	116,47
615489	3/4"	70 - 560	850	5600	F	220,99
615490	3/4"	140 - 700	1060	8200	F	403,17
615491	1"	140 - 980	1120	8800	F	477,82

265

Industrial torque wrench 3/4"

3/4"

- robust construction gives accurate results, to +/-4% , even in arduous working conditions.
- every wrench supplied with a calibration certificate according to ISO 9000:2000
- the large break angle improves accuracy by reducing the possibility of over torquing
- Cam control of the mechanism gives a controlled break which will not throw the operator off balance
- Torque application: bothway, but always apply in direction specified on torque wrench handle
- dual scaled, N.m and lbf.ft
- made according to standard ISO 6789

Use

- agricultural equipment
- building sector
- heavy industry

- larger construction machinery
- shipbuilding industry
- aircraft industry
- Do not use torque wrench for untightening!

Important!

- Tool must be used with equal pulls and in accordance with the instructions in the manual.
- Torque tightens only in the direction showed on the key sticker! Sticker shows the proper direction of tightening!
- The default calibration interval of the torque wrench is 12 months or 5.000 measurements from the date of end user purchase.
- ALWAYS set the measuring mechanism to starting point, at the end of work.
- When the requested torque are reached, please do not tight any more.
- Torque wrench can be damaged, if manual instructions are not considered.



Barcode	Size	Range (Nm)	Range (lbf.ft)	Length (mm)	Weight (kg)	Material	Price
616801	3/4"	150 - 700	100 - 500	1090	9000	F	813,77
616802	3/4"	200 - 800	150 - 600	1140	9200	F	822,03
616803	3/4"	300 - 1000	200 - 750	1470	7400	F	833,76

12 Torque wrenches

267A

Pre-set torque wrenches for cars

- material: chrome vanadium
- guaranteed to meet ISO 6789, ANSI 107.14M and U.S. Fed GGG-W-686D
- torque is preset
- easy to use and calibrate
- factory calibrated for accuracy to within +/-4%

Important!

- Do not use torque wrench for untightening!
- Torque tightens only in the direction showed on the key sticker! Sticker shows the proper direction of tightening!
- The default calibration interval of the torque wrench is 12 months or 5.000 measurements from the date of end user purchase.
- When the requested torque are reached, please do not tight any more.
- Torque wrench can be damaged, if manual instructions are not considered.



Barcode	Unit	Value	Color	L	Weight	Material	Price
618915	90	66.4	Black	400	1340	F	57,09
618916	100	73.7	Yellow	400	1335	F	57,24
618917	110	81.1	Grey	400	1335	F	57,42
618918	120	88.5	Red	400	1335	F	59,47
618919	130	95.9	Blue	400	1335	F	59,61

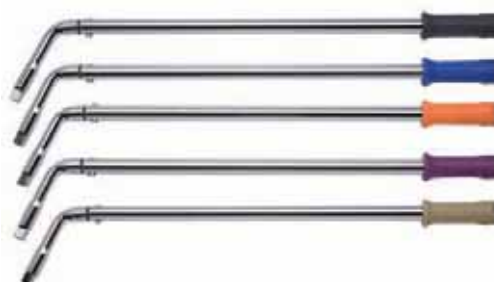
267B

Pre-set torque wrenches for trucks

- material: chrome vanadium
- guaranteed to meet ISO 6789, ANSI 107.14M and U.S. Fed GGG-W-686D
- torque is preset
- easy to use and calibrate
- factory calibrated for accuracy to within +/-4%

Important!

- Do not use torque wrench for untightening!
- Torque tightens only in the direction showed on the key sticker! Sticker shows the proper direction of tightening!
- The default calibration interval of the torque wrench is 12 months or 5.000 measurements from the date of end user purchase.
- When the requested torque are reached, please do not tight any more.
- Torque wrench can be damaged, if manual instructions are not considered.

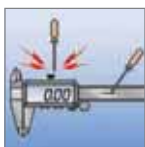
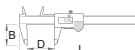


Barcode	Unit	Value	Color	L	Weight	Material	Price
618920	400	295	Green	950	4650	F	128,66
618921	450	332	Purple	950	4650	F	129,58
618922	500	369	Brown	950	4680	F	129,80
618923	550	406	Light Blue	950	4665	F	131,18
618924	600	442	Orange	950	4670	F	131,49

270A

Digital vernier

- accuracy: 0,02mm/0,001"
- measuring speed: 1.5m/sec
- function: measurement of internal dimensions, of external dimensions, of depth, of steps
- made according to standard DIN 862
- measuring speed: 1.5m/sec
- dual scale in inch and mm

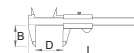


Barcode	D	B	L	Weight	Material	Price
619881	0 - 150	40	235	460	F	51,50

271

Vernier

- accuracy: 0,02mm/0,001"
- function: measurement of internal dimensions, of external dimensions, of depth, of steps
- made according to standard DIN 862
- dual scale in inch and mm

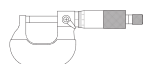


Barcode	D	B	L	Weight	Material	Price
612035	0 - 150	40	235	240	F	26,65

272

External micrometer

- made of quality casting. Measuring surface made of hardened alloy
- spindle 6,5mm dia., with locking lever and ratchet
- according to DIN 863
- measuring range 0 - 25mm, minimal reading 0,01mm
- made according to standard DIN 863



617698



300



F



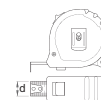
38,27



710P

Measuring tape

- plastic double component casing
- with stop and clip



m

ft

d



	m	ft	d			
612131	2	0	16	113	A	2,85
612132	3	0	16	140	A	4,08
612133	5	0	19	230	A	6,38
612134	8	0	25	441	A	12,18
612135	10	0	25	470	A	15,08
612784	2	6	16	114	A	2,85
612785	3	10	16	142	A	4,08
612786	5	16	19	230	A	6,38
612787	8	26	25	442	A	12,18
612788	10	33	25	470	A	15,08

280

Torque multiplier

- 5:1 torque multiplication, accuracy guaranteed better than +/-4%
- supplied with two reaction bar styles for maximum versatility
- Robust construction means minimal maintenance and long life
- Supplied in a carrying case. Ideal for inclusion in the heavy vehicle tool kit

Advantages:

- Exactly defined multiplication – no need of tabular conversions
- Simple use does not require any additional knowledge

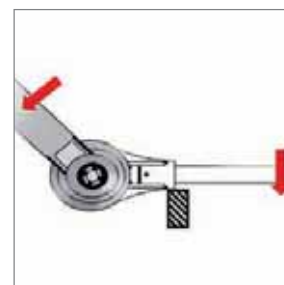
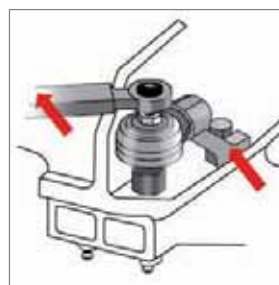
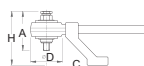
Use

- building construction
- agricultural equipment

- heavy industry
- larger construction machinery
- shipbuilding industry
- aircraft industry
- train compositions
- refineries

Important!

- The use of Unior IMPACT sockets is recommended.
- We shall never exceed the requested torque starting point of the multiplier.



616804



1300



960



5 : 1



1/2" (32mm)



3/4"



108



126



210



180



7000



F



1348,71

616805

2700

2000

5 : 1

3/4" (36mm)

1"

108

128

210

186

7000

F

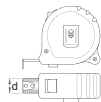
1352,21

12 Measuring tape

710R

Measuring tape

- plastic double component casing
- with stop and clip

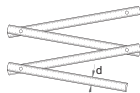
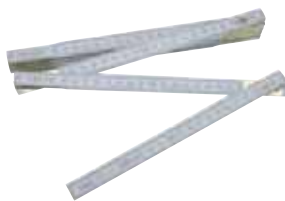


	m	ft	d			
612789	2	0	16	113	A	2,00
612790	3	0	16	140	A	2,85
612791	5	0	19	230	A	4,47
612792	8	0	25	441	A	8,53
612793	2	6	16	113	A	2,00
612794	3	10	16	140	A	2,85
612795	5	16	19	230	A	4,47
612796	8	26	25	441	A	8,53

710W

Folding rule

- material: beech wood
- mm - graduation printed in both sides
- preciseness to class III

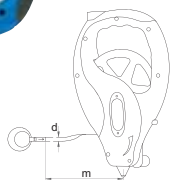


	m	d			
609365	2	16	125	E	5,03

714

Long measuring tape

- plastic double component casing
- acrylic coated steel tape enable long life
- 6 times speed of tape rewind against handle turns



	m	d			
621525	50	13	1100	G	22,40



1250

Alu - spirit level

- quality aluminium profile, dimension 48x22mm
- silver eloxated
- fitted with shock-proof plexi vials
- accurate to 0.5 mm/m
- accurate electronically tested



	L			
610716	300	220	K	12,45
610717	400	270	K	14,20
610718	500	340	K	16,20
610719	600	380	K	16,80
610720	800	510	K	19,50
610721	1000	600	K	22,21
610722	1200	680	K	26,62
610723	1500	900	K	31,76
610724	2000	1200	K	40,00

1252

Alu - spirit level with magnet

- quality aluminium profile, dimension 48x22mm
- silver eloxated
- fitted with shock-proof plexi vials
- accurate to 0.5 mm/m
- accurate electronically tested
- the measuring surface is equipped with two magnets



Barcode	L	Person	Icon	Price
610725	400	530	K	24,43
610726	500	580	K	26,01
610727	600	640	K	28,45
610728	800	820	K	29,55
610729	1000	1080	K	43,73

1253

Torpedo spirit level

- casing made from alloy Si12
- with 2 vials
- with milled measuring surface
- Accuracy : 0,5mm/m



Barcode	L	Person	Icon	Price
617699	300	336	K	17,21
617700	400	435	K	19,15
617701	500	534	K	21,64
617702	600	640	K	23,80



1255

Spirit level professional

- with one horizontal and two vertical plexiglass vial
- measuring accuracy of 0.5 mm/m in normal position
- measuring accuracy of 0.75 mm/m in inverted position
- walls are thicker, strengthened with ribs outside and walls inside, hereby increasing their rigidity and resistance to deformation
- horizontal vial with fluorescent background allows measuring also in places lacking the light



Barcode	L	Person	Icon	Price
618874	300	326	K	31,07
618875	400	414	K	32,65
618876	500	503	K	34,49
618877	600	591	K	36,31
618878	800	766	K	40,59
618879	1000	940	K	45,31
618880	1200	1118	K	52,51
618881	1500	1389	K	61,13
618882	1800	1644	K	68,77
618883	2000	1806	K	81,19
618884	2500	2257	K	101,49

1255H

Spirit level professional

- with one horizontal and two vertical plexiglass vial
- two ergonomic hand-holds
- measuring accuracy of 0.5 mm/m in normal position
- measuring accuracy of 0.75 mm/m in inverted position
- walls are thicker, strengthened with ribs outside and walls inside, hereby increasing their rigidity and resistance to deformation
- horizontal vial with fluorescent background allows measuring also in places lacking the light



Barcode	L	Person	Icon	Price
618885	600	572	K	42,37
618886	800	748	K	46,66
618887	1000	924	K	51,38
618888	1200	1098	K	58,88
618889	1500	1365	K	67,44
618890	1800	1626	K	75,22
618891	2000	2020	K	87,68
618892	2500	2232	K	109,60

12 Squares

1260/7

Try square

- material: constructional steel
- measuring faces are finely ground
- accurate: $0,01425^\circ = 0,25\text{mm/m}$

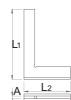


	L1	L2	A			
610730	125	85	5	140	E	11,67
610731	150	100	5	205	E	13,69
610732	200	130	5	385	E	14,64
610733	250	165	5	500	E	18,68
610734	300	200	5	575	E	20,70

1260/7A

Try square with back

- material: constructional steel
- measuring faces are finely ground
- accurate: $0,01425^\circ = 0,25\text{mm/m}$
- back are screwed on the short leg

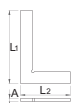


	L1	L2	A			
610736	150	100	5	205	E	24,85
610738	250	165	5	500	E	33,47
610739	300	200	5	575	E	36,12

1262/5

Mason's squares

- material: constructional steel
- surface finish: zinc plated
- accurate: $\pm 0,0285^\circ = 0,5\text{mm/m}$



	L1	L2	A			
610740	125	85	5	140	E	9,53
610741	150	100	5	205	E	11,43



	L1	L2	A			
610742	200	130	5	385	E	13,16
610743	250	160	5	500	E	15,50
610744	300	175	5	470	E	17,09

1262/5A

Mason's squares with back

- material: constructional steel
- surface finish: zinc plated
- accurate: $\pm 0,0285^\circ = 0,5\text{mm/m}$
- back are screwed on the short leg

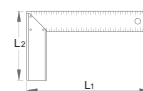


	L1	L2	A			
617154	125	85	5	140	E	14,30
617155	150	100	5	205	E	17,13
617156	200	130	5	385	E	19,74
617157	250	160	5	500	E	23,27
617158	300	175	5	470	E	25,63

1263

Try square

- measuring blade made from hardened spring steel, $40 \times 1,2\text{mm}$, with mm – graduation
- The support blade made of black anodized aluminium profile, I-form $40 \times 14\text{mm}$
- Accuracy: $0,5\text{mm/m}$



	L1	L2			
617693	250	135	205	E	10,68
617694	300	135	225	E	10,92
617695	350	190	300	E	11,74
617696	400	190	315	E	12,07
617697	500	210	370	E	13,38



1270

Mason's staffs

- special aluminium profile
- at the end protected with plastic inserts
- with two vials
- used for measuring and flattening of bigger vertical and horizontal surfaces in construction



Barcode	L	B	A	Weight	Material	Price
610745	2000	100	18	1800	K	44,06
610746	2500	100	18	2300	K	49,17
610747	3000	100	18	2700	K	57,91
610748	4000	100	18	3600	K	73,47

1272

Mason's profiles

- special aluminium profile
- with two handle and two vials
- used for working front, pavement, roughcast, first of all for easier and accurate work in construction



Barcode	L	B	A	Weight	Material	Price
610751	1000	100	18	900	K	36,58
610752	1500	100	18	1350	K	42,35
610753	2000	100	18	1800	K	48,11
610754	2500	100	18	2300	K	54,48
610755	3000	100	18	2700	K	62,58
610756	4000	100	18	3600	K	78,74

1279

Scriber

- made from quality steel
- equipped with pocket clip
- with a point made of high-alloyed steel that assures long life of drawing on different hard grounds



Barcode	L	Weight	Material	Price
617692	150	34	A	4,18

1280

Flat rule

- made of silver anodized aluminium profile cross section 60 x 5 mm with facet
- with one side mm-graduation



Barcode	L	Weight	Material	Price
617703	400	262	E	13,60
617704	500	321	E	15,06
617705	600	386	E	16,75
617706	800	510	E	20,05
617707	1000	641	E	23,06

1290/5

Plumb

- made from quality steel
- with 4 meter long string



Barcode	Weight	Material	Price
617725	170	F	13,89

1299

Carpenter's pencil - set 10 pieces

- made from quality wood
- graphite hardness HB



Barcode	L	Weight	Material	Price
617724	180	7	F	4,67



Precision

Tools for electronic use are distinguished by precision of manufacture and excellent functionality, which guarantees a complete match with the object being worked on, even in hard to access places.



Effectiveness

The tool provides several functions, such as cutting, removing and pressing cables, which makes work faster and without additional physical strain.



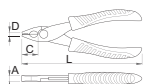
Durability

Top materials prevent the rapid wear of the tool, safety elements make it possible to make repairs without the risk of injuries and the ergonomic shape ensures safe, comfortable and simple use.

406/4E

Electronic combination pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- heavy duty double - component handles



	L	B	C	A	Weight	Price
620069	120	13.6	15.8	8.2	90	17,32

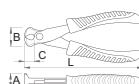
cutting capacity (10N=1kg)

	L	max 750 N/mm²	Ø
620069	120		1,5

455/4E

Electronic pliers - front cutter

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- heavy duty double - component handles



	L	B	C	A	Weight	Price
620071	110	16.6	8.1	13.2	94	21,09

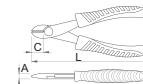
cutting capacity (10N=1kg)

	L	max 750 N/mm²	Ø
620071	110		1,5

461/4E

Electronic side cutter

- material: special tool steel
- drop forged, entirely hardened and tempered
- heavy duty double - component handles



	L	B	A	C	Weight	Price
620072	115	13	8.2	13.5	95	16,83

cutting capacity (10N=1kg)

	L	max 750 N/mm²	Ø
620072	115		1,5



Pliers

294 - 296



Screwdrivers - flat

296



Screwdrivers - crosstip

296



Screwdrivers with TX profile

296



Screwdrivers PZ and socket

296

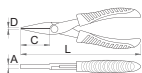


Sets

296 - 297

472/4E**Electronic flat nose pliers**

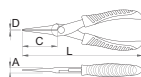
- material: special tool steel
- drop forged, entirely hardened and tempered
- gripping surface serrated
- heavy duty double - component handles



620070	L	C	A	D	B	16,83
	135	32.5	8.2	105		

506/4E**Electronic long nose pliers**

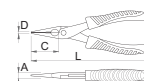
- material: special tool steel
- drop forged, entirely hardened and tempered
- heavy duty double - component handles



620073	L	B	D	A	C	D	B	17,32
	140	12.6	3.2	2.4	41.8	99		

508/4E**Electronic long nose pliers, straight**

- material: special tool steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- gripping surface serrated
- heavy duty double - component handles



620074	L	B	D	A	C	D	B	16,83
	135	12.6	3.2	2.4	32.5	90		

cutting capacity (10N=1kg)

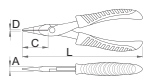
620074	L	max 750 N/mm²	Ø
	135	1,5	

FEATURES OF**508/4E**

512/4E

Electronic long nose pliers, bent

- material: special tool steel
- drop forged, entirely hardened and tempered
- heavy duty double - component handles

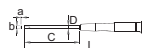


Barcode	L	B	D	A	Icon	Price
620075	140	12.6	3.2	8.2	97	17,32

605E

Flat electronic screwdriver

- material: blade - chrome vanadium, entirely hardened and tempered
- ergonomic heavy duty double component handle
- tip coated with anticorrosion protection
- handle with rotating cap

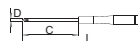


Barcode	a x b	C	L	D	Icon	Price
608296	0.25 x 1.2	60	153	2.5	10	3,89
608297	0.23 x 1.5	60	153	2.5	11	3,81
608298	0.3 x 1.8	60	153	2.5	12	3,76
608299	0.4 x 2.5	75	168	2.5	12	3,51
608300	0.5 x 3.0	100	193	3	13	3,22
608301	0.5 x 3.0	150	243	3	18	3,54
608302	0.8 x 4.0	100	193	4	23	3,63
608303	0.8 x 4.0	150	243	4	28	3,78

615E

Crosstip (PH) electronic screwdriver

- material: blade - chrome vanadium, entirely hardened and tempered
- ergonomic heavy duty double component handle
- tip coated with anticorrosion protection
- handle with rotating cap



Barcode	Icon	C	L	D	Icon	Price
608304	PH 000	60	153	2.5	12	5,19
608305	PH 00	60	153	2.5	12	4,44
608306	PH 0	60	153	3	14	3,12
608307	PH 1	80	173	4.5	22	3,22

621E

Electronic screwdriver with TX profile

- material: blade - chrome vanadium, entirely hardened and tempered
- ergonomic heavy duty double component handle
- tip coated with anticorrosion protection
- handle with rotating cap



Barcode	Icon	C	L	D	Icon	Price
604546	TX 4	60	153	3	12	3,93
604547	TX 5	60	153	3	12	3,93
608310	TX 6	60	153	3	13	3,93
608311	TX 7	60	153	3	14	3,93
608312	TX 8	60	153	3	12	3,93
608313	TX 9	60	153	3	15	3,98
608314	TX 10	60	153	3	14	3,98
608315	TX 15	60	153	3.5	17	3,98
608316	TX 20	80	173	4	19	4,20

625E

Double-crosstip (PZ) electronic screwdriver

- material: blade - chrome vanadium, entirely hardened and tempered
- ergonomic heavy duty double component handle
- tip coated with anticorrosion protection
- handle with rotating cap

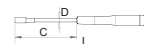


Barcode	Icon	C	L	D	Icon	Price
608308	PZ 0	60	153	3	13	3,26
608309	PZ 1	80	173	4.5	26	3,37

629E

Electronic socket wrench with handle

- material: blade - chrome vanadium, entirely hardened and tempered
- ergonomic heavy duty double component handle
- handle with rotating cap



Barcode	Icon	C	L	D	Icon	Price
618903	2.5	60	153	4.5	21	9,19
618904	3	60	153	4.5	23	9,19
618905	3.2	60	153	4.5	24	9,44
618906	3.5	60	153	4.5	25	9,44
618907	4	60	153	4.5	27	9,44
618908	5	60	153	4.5	29	9,44
618909	5.5	60	153	4.5	28	9,44

403A

Set of electronic pliers in bag


Barcode	Nº	Icon	Price
620212	403A	6 733	125,71

406/4E (120), 455/4E (110),
 461/4E (115), 472/4E (135),
 506/4E (140), 512/4E (140)

**607CS7E**

Set of electronic screwdrivers in carton box — +



Barcode	Nº	Hand	Person	Truck	Weight
620960	607CS7E	7	170	G	24,90
— 605E (0.3 x 1.8 x 60, 0.4 x 2.5 x 75, 0.5 x 3.0 x 100, 0.8 x 4.0 x 100), — 615E (PH 00 x 60, PH 0 x 60, PH 1 x 80)					

403B

Set of electronic pliers in carton box = < >



Barcode	Nº	Hand	Person	Truck	Weight
620963	403B	3	350	G	50,97
— 406/4E (120), — 461/4E (115), — 508/4E (135)					

608CS5E

Set of electronic screwdrivers in carton box + +



Barcode	Nº	Hand	Person	Truck	Weight
620962	608CS5E	5	133	G	19,23
— 615E (PH 000 x 60, PH 00 x 60, PH 0 x 60, PH 1 x 80), — 625E (PZ 0 x 60)					

621CS7E

Set of electronic screwdrivers with TX profile in carton box ★



Barcode	Nº	Hand	Person	Truck	Weight
620961	621CS7E	TX 6 - TX 20 / 7	166	G	27,94
— 621E (TX 6, TX 7, TX 8, TX 9, TX 10, TX 15, TX 20)					

403C

Set of electronic pliers and screwdrivers in plastic box — + < > =

• Dimension of box: 307 x 260 x 55



Barcode	Nº	Hand	Person	Truck	Weight
621692	403C	11	975	G	120,59
— 605E (0.3 x 1.8 x 60, 0.4 x 2.5 x 75, 0.5 x 3.0 x 100, 0.8 x 4.0 x 100), — 615E (PH 00 x 60, PH 0 x 60, PH 1 x 80), — 472/4E (135), — 455/4E (110), — 461/4E (115), — 508/4E (135)					

606CS5E

Set of electronic screwdrivers in carton box —



Barcode	Nº	Hand	Person	Truck	Weight
620959	606CS5E	5	131	G	17,93
— 605E (0.23 x 1.5 x 60, 0.3 x 1.8 x 60, 0.4 x 2.5 x 75, 0.5 x 3.0 x 100, 0.8 x 4.0 x 100)					

607S50E

Set of electronic screwdrivers on display stand — + +



Barcode	Nº	Hand	Person	Truck	Weight
609953	607S50E	50	1600	F	259,96
— 605E (0.25 x 1.2 x 60, 0.23 x 1.5 x 60, 0.3 x 1.8 x 60, 0.4 x 2.5 x 75, 0.5 x 3.0 x 100), — 615E (PH 000 x 60, PH 00 x 60, PH 1 x 80), — 625E (PZ 0 x 60, PZ 1 x 80), 978E (230 x 135 x 185)					



2178/2BI

Relay puller pliers

- material: special tool steel
- heavy duty double - component handles
- for safe installation and removal of cubic electrical relays on most vehicles
- tips are thin and serrated for better grip of the relay



Barcode	L	Weight	Material	Price
622585	232	250	B	27,48

186.4/2

Spark plug socket 3/8"

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered

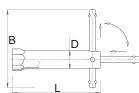


Barcode	Size	D	L	Weight	Material	Price
620819	13	17.9	63	68	B	3,54
603193	16	22	63	68	B	3,78
620820	18	24.7	63	68	B	4,07
603192	19	26	63	68	B	4,39
600776	21	27	66	68	B	7,00

185/2

Spark plug wrench

- material: special tool steel
- surface finish: chrome plated according to EN12540



Barcode	Size	D	L	B	Weight	Material	Price
600771	16	19	145	120	182	E	4,38
607956	19	22	115	120	199	E	4,51
600772	21	24	115	120	177	E	4,58
600773	21	24	180	120	248	E	4,83

186.4/2A

Spark plug socket 3/8"

- material: chrome molybdenum
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered




















Barcode	Size	D	L	Weight	Material	Price
622513	14	18	63	58	B	7,60

186BI

Set of spark plug sockets with accessories 3/8"



	Nº				
619401	186BI	4	627		69,24
<div> 238.1/1FBI (3/8"),  238.4/2 (3/8" x 45, 3/8" x 75),  186.4/2 (21)</div>					
619402	186BI	4	615		66,63
<div> 238.1/1FBI (3/8"),  238.4/2 (3/8" x 45, 3/8" x 75),  186.4/2 (19)</div>					
619403	186BI	4	560		66,01
<div> 238.1/1FBI (3/8"),  238.4/2 (3/8" x 45, 3/8" x 75),  186.4/2 (16)</div>					

194/2D1

T - handle spark plug wrench swiveling socket

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- entirely hardened and tempered



Barcode	Size	D	B	L	Weight	Material	Price
608111	16	21	250	300	336	A	36,87
608112	20.8	27	250	300	382	A	36,87

194/2D1L

T - handle spark plug wrench swiveling socket, long type

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- entirely hardened and tempered

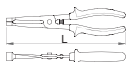


		D	B	L				
608115		16	21	250	500	468	A	41,32
608116		20.8	27	250	500	504	A	41,32

2201/2BI

Valve seal removal pliers

- material: special tool steel
- surface finish: chrome plated to standard EN12540
- extra long nose
- extra slim form allows removal of valve-stem oil-seals in deep engine block places
- for valve stem sealing rings
- jet stamp UNIOR
- heavy duty double - component handles
- Valve seal removal pliers - Narrow design allows access to valve stem seals even in the tight confines of 4 valve per cylinder heads. Features serrated tips for a positive grip on the seal, heat-treated steel construction and cushioned handles.



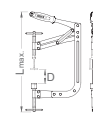
	L			
619721	275	287	B	34,82

2202/2BI

Valve spring compressor



- material: special tool steel
- entirely hardened and tempered
- surface finish: chrome plated
- suitable for almost all engines due to its wide range of adjustment
- valve spring compressor not include pressure pieces
- 4 pressure pieces (article 2202.1) allows us working on almost all engines and are available as spare parts
- using its very fast and easy with lever blockade
- after adjusting the tool for the first valve, the speed of work increases as readjusting is not necessary for subsequent valves.
- adjustable handles enable desired pressure on the spring.
- extra large throat for larger engines
- This tool is used to attach and detach valve springs and features a self-locking lever and quickly-adjustable fittings to allow it to be used with all kinds of engines.



	L	D			
619722	430	20 - 250	1810	G	89,81

2202.1/2

Pressure pieces for valve spring compressor



	D			
620567	21	46	E	9,63
620208	25	54	E	11,10
620209	30	62	E	12,93
620210	35	84	E	14,61
620211	43	106	E	22,34

2203/2BI

Tool for rotating camshaft pulley

- material: chrome vanadium
- pin material: special carbon tool steel
- for holding pulleys on camshafts, injection pumps
- for timing pulleys, span from 24 to 160 mm
- available pin dimensions: Ø5.7, Ø7.7, Ø9.7, Ø11.7, Ø18
- heavy duty double - component handles
- jet stamp UNIOR
- Used to hold the camshaft pulley in place so that the center screw can be unscrewed prior to removing the camshaft pulley. This easy-to-use tool is intended for all types of camshaft pulleys.



	L			
619723	525	1435	F	65,81

2204

Kit for controlling cam belt tension

- very easy to use
- a precise progressive setting button
- the two-sided scale allows reading on both sides
- This tool is used to set the cam belt tension. It is suitable for most types of car cam belts.

How it works:

1. Select the proper tool position according to the manufacturer's recommendations.
2. Position the tool for controlling the cam belt tension
3. Refer to the attached table to find the proper cam belt tension.
4. Set the tool for controlling the cam belt tension to the proper value.
5. Verify the aeration of the cam belt.
6. Perform the necessary adjustments on the cam belt tensioner.
7. Position the tool for controlling the cam belt tension again and verify that the cam belt is properly tensioned.

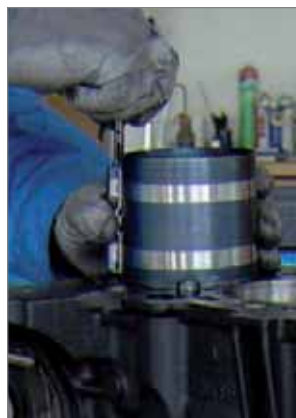
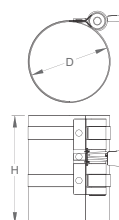


	L			
619724	98	393	G	86,76

2205

Piston ring compressor

- use to install pistons on most passenger cars.
- high quality construction with sprung steel wraps
- with safety adjusting screws
- available in a wide range of sizes
- This tool is used to install pistons and piston rings into engine cylinders. Different sizes are available.
- Insert the piston and any piston rings into the tool, position the tool at the opening and use it to insert/push the piston and any piston rings into the cylinder.



	H	D	D			
619725	50	1 3/4" - 3 1/2"	40 - 90	178	G	13,29
619726	80	2 1/4" - 5"	57 - 125	291	G	14,85
619727	80	3 1/2" - 7"	90 - 175	320	G	16,40
619729	165	3 1/2" - 7"	90 - 175	587	G	31,40

2206

Universal clutch aligner

- designed for most vehicles, with single plate clutches
- for clutch up to: 15 - 28 mm
- easy to use
- The tool under art. No. 2206 is the only universal clutch aligner that allows you to align almost any standard passenger car clutch. This is done directly between the clutch plate and the pressure plate by using the universal clutch aligner to join them together. After the clutch aligner is removed, both parts of the clutch are joined together and aligned with regard to their axes.



619730	211	G	15,12

2207/2

1/2" square drive socket for diesel engine injectors

1/2"

- suitable for a variety of diesel engines
- Socket for diesel engine injectors is used for removing and replacing diesel injectors without damaging fuel lines.

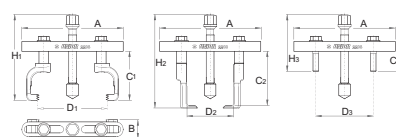


619887	6P - 22mm	DIESEL	224	E	17,56
619731	12P - 22mm	DIESEL	162	E	16,91
619888	12P - 27mm	BMW. Fiat. Ford	217	E	16,91
619889	12P - 28mm	Scania. Volvo HGV	227	E	16,91

2208

Ribbed driver pulley puller

- The puller is used to dismount pulleys of various shapes, in particularly those used in passenger cars. The tool is suitable for pulleys with the following diameters: min. Ø45 mm; max. Ø235 mm. The puller is useful for effectively removing pulleys from hard-to-reach areas, and especially without the risk of any damage to the pulley. The tool has two types of pulling paws, suitable for various types of pulleys.

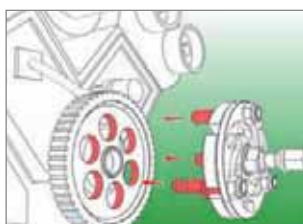
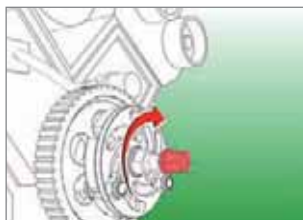
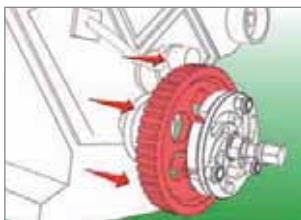
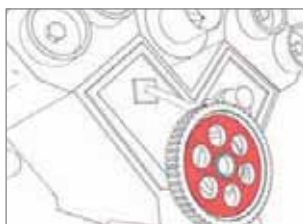
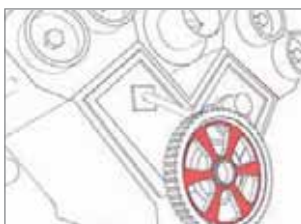
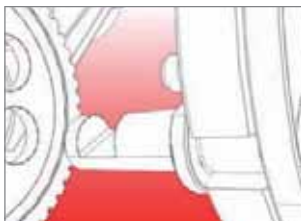
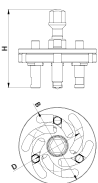


	A	B	C1	C2	C3	D1	D2	D3	H1	H2	H3			
620223	171	32	60 - 82.5	69 - 91	34	80 - 150	40 - 120	40 - 150	200	213	152	2340	G	225,29

2210/2

Timing pulley puller

- material: special tool steel
- entirely hardened and tempered
- surface finish: chrome plated according to EN12540, screw blackened
- This tool is designed for removing drive pulleys with face grooves. The tool removes a pulley absolutely free of any risk of damage. The tool is adaptable to different pulley diameters, as the legs are adjustable.
- for removing pulleys with 3, 6, 9 slots

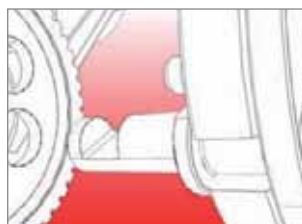
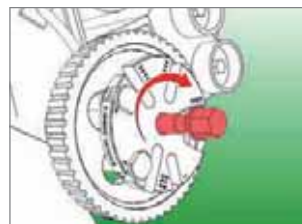
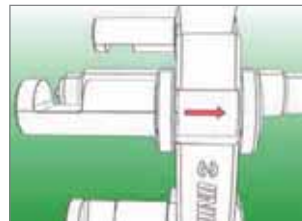
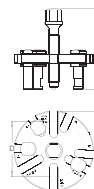


	B	D	H		
620226	100	48 - 82	135	1085	61,04

2210/2A

Universal timing pulley puller

- material: special tool steel
- entirely hardened and tempered
- surface finish: chrome plated according to EN12540, screw blackened
- for removing all types of pulleys with 2, 3, 4, 5, 6, 7, 8, 9 slots

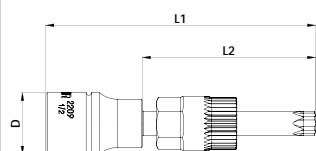


	B	D	H		
621780	100	48 - 82	135	750	68,49

2209

Alternator combination socket

- This two-part tool for the alternator allows the easy dismantling and mounting of the alternator pulley for the purposes of pulley replacement or alternator repair. The alternator is blocked by means of a 10 mm XZN multispline insert; simultaneously, the pulley retaining screw on the shaft is released/tightened. The tool is available as a 1/2" socket key with a XZN – M10 bit and as a 1/2" socket key with a TX50 bit.



		D	L1	L2			
620225	M 10	23.8	113	75	178	E	11,03
620948	TX 50	23.8	113	75	176	E	11,03

200/2

Starter and block wrench

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered



		L	B1	B2	A1	A2			
600671	11 x 13	150	16.5	19	7	8.5	54	A	7,78
600672	13 x 17	185	19.2	24.2	8.7	10.3	99	A	8,77
600673	14 x 17	185	20.5	24.2	8.7	10.3	104	A	8,77
600674	15 x 16	185	21.6	23.6	8.7	10.3	104	A	8,77
600675	15 x 17	185	21.6	24.2	8.7	10.3	101	A	8,77
600676	19 x 22	230	27.2	31.8	10	11.5	178	A	11,24

200/2CB

Set of starter and block wrenches in carton box



	Nº				
600677	200/2CB	11 - 22 / 5	605	F	45,32
200/2 (11 x 13, 13 x 17, 14 x 17, 15 x 16, 15 x 22)					

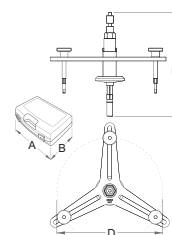
2211

SAC Clutch tool set

- material: special tool steel
- entirely hardened and tempered
- This SAC clutch tool set can be used to quickly and professionally dismantle and install SAC clutches. Usually, SAC clutches have 3 spokes, however some vehicles use 4-spoked versions (e.g. Mercedes A since 2004). Suitable for almost all SAC clutches (3- and 4-spoked), e.g. VW- Audi, BMW, Mercedes, Volvo, Opel, Renault, etc.

Advantages:

- pre-tightening of the thrust plate during dismantling and installing (important for preventing strain on the clutch),
 - centering the clutch plate in the direction towards the guide bearing or towards the thrust plate,
 - withdrawing the adjusting ring with the withdrawal tools.
- Dimension of box: 393 x 331 x 95



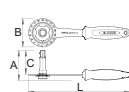
	A	B	D	H		
620233	305	268	322	267	7400	G
374,97						

14 Tools for engine

2213/2BI

Angle gauge

- this is used for screws on the heads of motors where car manufacturers prescribe that, as well as fastening the screws to the prescribed torque, fastening at a certain angle is also required
- hold the angle scale by its small handle to avoid rotation during screw joining, set the indicator to zero and then fasten the screw at the prescribed angle with another tool from the 1/2" product range (e.g. a hinge handle which is longer, because the forces are considerable)
- if your space is limited, you can also use an extension to obtain the required height
- the scale is 360°, divided into 2° angles



622815	L	B	A	C				
	270	75	80	63	428	428	G	29,98

2301SOS1

Set of automotive tools in SOS tool tray

- for changing spark plugs



623122	Nº					
	2301SOS1	10	1455	F		121,89
186.4/2 (13, 16, 18, 19, 21), 186.4/2A (14), 238.1/1FBI (3/8"), 238.4/2 (3/8" x 45, 3/8" x 75), 2151/2BI (192), v12301SOS1 (188 x 364 x 30)						

2301SOS2

Set of automotive tools in SOS tool tray

- for disassembling hub and brake drum



623123	Nº					
	2301SOS2	1	5190	F		250,17
2027/2 (250), v12301SOS2 (374 x 364 x 30)						

2301SOS3

Set of automotive tools in SOS tool tray

- for break systems



623124	Nº					
	2301SOS3	4	995	F		89,92
2029/2 (M 8), 2030/2BI (234), 2035, 2037/2BI (244), v12301SOS3 (188 x 364 x 30)						

2301SOS4

Set of automotive tools in SOS tool tray

- for clips and clamps (spring, clic, oetiker) hoses



623125	Nº					
	2301SOS4	7	2650	F		264,62
2077/2BI (235), 2078/2BI (230), 2079/2BI (206), 2080/2BI (190), 2081/3 (285), 2089/2BI (230), v12301SOS4 (374 x 364 x 30)						

2301SOS5

Set of automotive tools in SOS tool tray

- for changing oil filters



623126	Nº					
	2301SOS5	4	1780	F		110,78
175/2 (8 x 10), 205/2 (220 x 60 x 140), 206/2 (220 x 60 x 140), 1976/2 (60), v12301SOS5 (188 x 364 x 30)						

2301SOS6**Set of automotive tools in SOS tool tray**

- for changing oil filters



Barcode	Nº	Hand icon	Person icon	Tray icon	Coins icon
623127	2301SOS6	12	2040	F	91,52
© 1977/6 (27 x 6, 32 x 6, 36 x 6, 66 x 6, 65 x 14, 74 x 15, 75 - 77 x 15, 76 x 12, 76 x 14, 86 x 16, 86 x 18, 96 x 18), vl2301SOS6 (374 x 364 x 30)					

2301SOS9**Set of automotive tools in SOS tool tray**

- for changing tires



Barcode	Nº	Hand icon	Person icon	Tray icon	Coins icon
623130	2301SOS9	4	1025	F	67,55
2042/2 (115), 2034/2BI (325), 2035, 2028/2P (250), vl2301SOS9 (188 x 364 x 30)					

2301SOS7**Set of automotive tools in SOS tool tray**

- for general maintenance tasks



Barcode	Nº	Hand icon	Person icon	Tray icon	Coins icon
623128	2301SOS7	6	3280	F	289,16
2091 (250), 2087 (1), 2086 (150), 2085 (510), 2084 (240), © 264 (1/2" x 28 - 210), vl2301SOS7 (564 x 364 x 30)					

2301SOS10**Set of automotive tools in SOS tool tray**

- for changing tires



Barcode	Nº	Hand icon	Person icon	Tray icon	Coins icon
623131	2301SOS10	15 - 21 / 8	4605	F	309,90
🔧 1561 (1/2"), 231/4PL (17, 19, 21), 231/4 6p (15, 17, 19, 21), vl2301SOS10 (188 x 364 x 30)					

2301SOS8**Set of automotive tools in SOS tool tray**

- for dismounting ribbed pulleys



Barcode	Nº	Hand icon	Person icon	Tray icon	Coins icon
623129	2301SOS8	1	2135	F	194,19
2208 (171), vl2301SOS8 (188 x 364 x 30)					



1660/2

Freewheel remover

- The freewheel remover is intended for all types of sprockets including cassette types. It works effectively and precisely without slippage or damage to the sprockets. An added retaining spring is a special feature compared to similar products.
- material: special tool steel, hardened and tempered
- surface finish: chrome plated according to EN12540

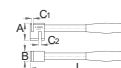


615528	L	C			
	350	1/2" x 3/32"	361	E	17,05

1667/2

Front sprocket truing fork

- material: special tool steel, hardened and tempered
- The tool is used for repairing minor damage on the front sprocket. The narrow opening is intended for truing a tooth, the broader for truing the crank spider.

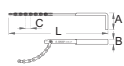
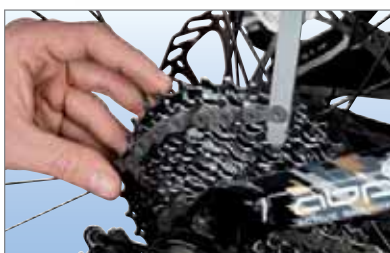


619704	L	A	B	C1	C2			
	243	42	25	4,5	7	542	A	20,44

1658/2P

Sprocket wear indicator

- material: special tool steel, hardened and tempered
- for HG and IG sprockets
- The sprocket wear indicator is used to determine the condition rear sprockets. It can be used to check 12 to 21 tooth sprockets. Procedure: The chain is put on the sprocket and the tool placed with its round end between two teeth on the upper sprocket side. The last chain link is moved away from the sprocket and a force of 100 N or 10 kg is applied to the tool in the direction of sprocket rotation. Now the last chain link is moved towards the sprocket. If it skips easily to the cog the sprocket is in a good condition and will function flawlessly even with a new chain. However, if the last chain link gets stuck on the tip of the neighbouring tooth or if we have to force it to skip on the cog, the sprocket is worn out and should be replaced. In case the chain falls off the clog when applying force, the sprocket is heavily worn out and a replacement is overdue.
- surface finish: chrome plated according to EN12540

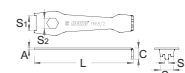


619717	L	B	A	C			
	250	12	42	1/2"	86	A	12,12

1668/2

Wrench for front sprocket nuts

- material: special tool steel, hardened and tempered
- surface finish: chrome plated according to EN12540
- The wrench is used for unscrewing and tightening of front sprocket nuts. The tightening starts with the broader part, and when the nut is sufficiently tightened, it finishes with the narrower part which is bent in order to enable a better power transfer during the final tightening of the nut. When unscrewing the nut, the key is used in the reverse order.
- The dimension of the hexagonal key opening is SW10. It enables unscrewing and tightening of nuts of this dimension, while at the same time it can be used to hang the key.



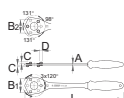
618415	S1	S2	S3	S4	L	A	C		
	14,8	10,2	3,6	12,5	98	1,5	11	18	A

1670.2BI

Freewheel remover

- The freewheel remover is intended for all types of sprocket including cassette types. It is useful for freewheel with 11 and 12 teeth.
- Code 622881 is used for freewheel with 13 and 14 teeth
- material: special tool steel, hardened and tempered
- surface finish: chrome plated according to EN12540
- ergonomic heavy duty double component handle

11x 12x



	L	D	A	C	B1	B2			
617235	350	8,6	4	6,4	49,8	46	238	A	24,45
622881	350	8,6	4	6,4	53,1	57,7	238	A	24,45

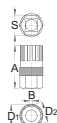


1670.1/4

Freewheel remover Shimano®

- For: Shimano®, SRAM® and Sachs Aris®, Sun Race®
- Use the freewheel remover together with the UNIOR ratchet 1/2" art. 190.1ABI.

1/2"

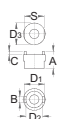


	A	B	D1	D2	S			
616062	44,7	3,0	22,72	21,24	21	57	E	6,83

1670.2/4

Freewheel remover Suntour®

- For: Suntour®

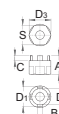


	A	B	C	D1	D2	D3	S		
616063	19,9	6,5	3,9	23,9	19,6	25,5	23	37	4,13

1670.3/4

Freewheel remover Suntour®

- For: Suntour®

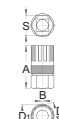


	A	B	C	D1	D2	D3	S		
616064	23	6,8	5,4	23,9	19,9	26,7	24	42	4,23

1670.4/4

Freewheel remover Compagnolo®

- The freewheel remover is used for removing an assembling Compagnolo® freewheels.
- Use the freewheel remover together with the UNIOR ratchet 1/2" art. 190.1ABI.



	A	B	D1	D2	S			
616707	44,2	3,0	22,63	21,35	21	54	E	8,08

1670.5/4

Freewheel remover Shimano®

- Shimano®, SRAM®, Sun Tour®, Chris King® and Sun Race® and others.
- Use the freewheel remover together with the ratchet 1/2" art. 190.1ABI.

1/2"

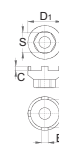


	A	B	D1	D2	S	Type		
616065	45,4	2,1	23,40	21,20	21	Sram	66	6,26

1670.6/4

Freewheel remover for BMX®

- Freewheel BMX®



	A	B	C	D1	D2	S		
616066	25,4	7,8	5,0	40,9	35	24	84	7,65

1670.7/4

Freewheel remover with guide pin

- Freewheel Remover with guide pin for Shimano®, SRAM® Sun Race®, Suntour® and others.



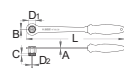
	A1	A2	B	D1	D2	D3	S		
616067	69,1	37,5	2,3	23,40	21,25	3,0	24	85	7,58

15 Tools for drive

1670.8/2BI

Freewheel remover with handle

- Wrench for rear sprocket with handle is used for Shimano®, SRAM®, Sun Race®, Suntour® and other cassette sprockets, like the key nr. 1670.7. Fixed handle enables easier use because no additional tools for gripping the key are necessary. The two-component sleeve on the handle fits the hand exactly and enables a perfect grip of the key.

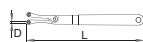


617908	L	B	A	C	D1	D2			
	337	1,5	4	7,9	23,6	5,0	340	A	18,28

253/2DP

Hook wrench with pin

- material: chrome vanadium
- pins: black finish
- entirely hardened and tempered
- surface finish: chrome plated according to EN12540
- double plastic dipped handles
- The 2.3 and 2.8 mm pins are interchangeable, the distance between them is adjustable. The biggest difference between the pins is 50 mm open and 10 mm closed.



616294				
	123	A		16,44

253.1/4A

Pin set 2 pieces for 253/2DP

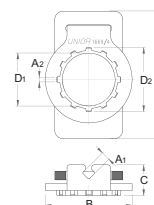


621020				
	7	E		4,46

1669/4

Pocket spoke and freewheel remover wrench

- material: special tool steel, hardened and tempered
- surface finish: blacken to standard DIN 50938
- The wrench is the basic working tool for cyclists extended tours.
- To change broken spokes on the right side of the rear wheel, the cassette has to be removed first.
- Firstly remove the rear wheel, then fit the tool onto the freewheel nut.
- Replacethe rear wheel, so that the square edge of the tool presses to the frame or hanger. After that, push the pedals in the forward direction and loosen the freewheel nut. We can remove the cassette and replace the broken spoke. In order to prevent the possibility that the paint on the bicycle frame is damaged, a protective plastic plate should be inserted between the key and the frame.

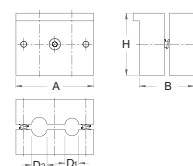


616758	L	B	D1	D2	A1	A2	C			
	47	32	19,5	23,6	3,4	1,8	12	20	E	3,87

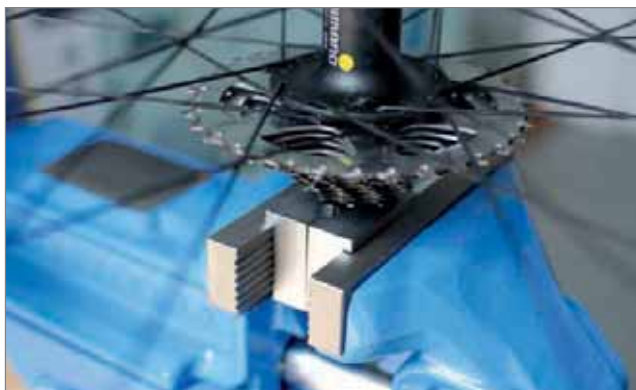
1639/2

Axle vice

- material: special tool steel, hardened and tempered
- surface finish: chrome plated according to EN12540
- The vice features two different diameter receptacles of 9 mm and 10 mm for inserting front or rear axles. Fits into jaws of engineers vice. The axle vice is easy to use. Two inserted springs will open the jaws automatically when axle vice is removed from engineers vice.

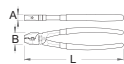


619715	D1	D2	A	B	H				
	9	10	50	35,5	40	488	F		20,15



**1640/1DP****Chain rivet pliers**

- material: special tool steel, hardened and tempered
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to EN12540
- pin induction hardened
- double plastic dipped handles
- The chain rivet pliers have been developed to enable both professional and home repairs and service work on bicycle chains. Higher functionality, effectiveness and practicality are the advantages of the chain rivet pliers. With this unique design less physical effort is required to extract the rivets from the chain. Jobs will be performed quickly and comfortably without damage to the rivets. The ergonomic shape enables single handed use.



	L	B	A			
615377	243	29	13	426	E	27,98

1640.1/4**Replaceable pin for chain rivet pliers**

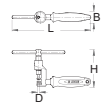
- surface finish: blacken to standard DIN 50938



	D1	D2	M	L			
605956	2,8	3,8	M 5	16	7	E	1,74

1647/2ABI**Screw type chain tool**

- material: special tool steel, hardened and tempered
- The Screw type chain tool is intended for both professionals and home users. The simple tightening of the spindle fits the chain pin perfectly. With its ergonomic design it is easy to use and works with great precision.
- ergonomic heavy duty double component handle
- also supports Campagnolo 11 speed



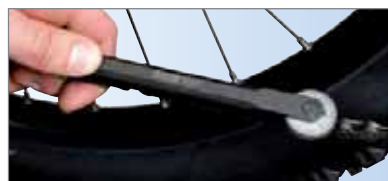
	D	B	L	H			
621662	3,4	22	150	72	175	E	24,62

1647.1/4A**Replaceable pin for screw type chain tool**

	D1	D2	L			
621734	3,4	4	24	10	E	1,21

1643/4**Chain checker, for professional use**

- To alleviate poor shifting and uneven drive train wear, most manufacturers recommend chain replacement at or before 1% turn. Now you can quickly and accurately determine the wear and turn of any chain. Simply insert the chain checker's pins into two links, press the swing arm gauge tight, and then check the gauge window for an accurate reading



		L	B	A	C			
617170	0 - 1,2	137	25,5	20	137	168	G	15,91

15 Tools for wheel sets

1644/2

Chain wear indicator

- Made from precision, laser cut steel.
- A worn chain shifts poorly and wears sprockets quicker. The tool is a "go, no go" gauge designed to accurately indicate when a chain is worn out.
- Measurement: from 0 to 0,6 mm - no chain wear. from 0,7 to 1,2 mm the chain is worn out and it is necessary to replace it.



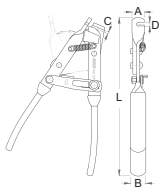
	L	A	B	C			
617171	122,5	2	37	12,7	40	E	5,85



1642.1/2P

Inner wire pliers with safety lock

- material: special tool steel, hardened and tempered
- surface finish: chrome plated according to EN12540
- double plastic dipped handles
- The basic function of the inner wire pliers is to tension brake and derailleur steel cables. It is used for holding the inner cable and pulling it out of the housing. The safety lock is activated with a thumb push. The pliers can now be released and the cable fixed. The lock is automatically released by squeezing handles together. The additional safety lock enables easier, faster and more comfortable use.

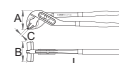


	L	A	B	C	D			
619719	185	14	18	2,3	4	246	E	21,75

1601/2DP

Tire setter

- material: chrome vanadium
- drop forged, entirely hardened and tempered
- surface finish: chrome plated to standard EN12540
- double plastic dipped handles
- The pliers for removing tyres are intended for fast straightforward tyre removal - especially tyres that have already bonded with the rim. Using the pliers, we compress the tyre so that it detaches from the edge of the rim. Such a strong grip facilitates the removal of the tyres. The well designed shape of the pliers enables the separation of the tyre from the rim and ensures that the inner tube is not punctured when removing the tyre. The pliers are chromed and laminated with plastic for a more comfortable grip.

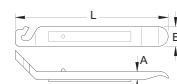


	L	A	B	C			
617586	300	61	64	7	588	E	34,95

1657

Set of two tire levers

- Set of two tire levers enables you to easily remove tires.
- They are made from firm plastic and enable work without any damages made to the rim.
- Useful for every professional mechanic or home user.



		L	A	B			
621984	2	115	6	15	18	E	1,16

584/2POLLY

Steel wire cutter

- material: special tool steel
- entirely hardened and tempered
- surface finish: chrome plated to standard EN12540
- heavy duty double - component handles



	L	A	B			
620591	180	17.5	25	224	E	28,18



1690/1

True checking tool - professional

- Material: construction steel, stainless steel and PE-polyethylene
- The true checking tool is a tool designed to check the axle symmetry between the nave and the wheel rim. First we set an appropriate distance between the slides according to the wheel size. We lean the middle rest against the nave axle and put the frame with slides nearer to the rim so that the slides touch the rim. Then we fix the rest with a screw and check the other side of the wheel. This enables us to see if the nave is centered according to the rim. If the wheel is not centered, it needs to be trued up.
- Precisely manufactured tools enable simple checking of wheels with dimensions from 16 to 29 inch, with or without tire.



	C ↓	C ↑	A	B			
618486	320	660	667	70	850	F	45,35

1633/2P

Spoke wrench

- material: special tool steel, hardened and tempered
- surface finish: chrome plated according to EN12540
- the key body is plastic-coated
- Spoke wrench is used for nipples with dimensions 4,0 and 4,4 mm + 3,3 and 3,45 mm . Plastic-coated body enables comfortable tightening and unscrewing of the nipples.



	S1	S2	L	A			
620179	4	4,5	100	4	29	E	4,16
622789	3,3	3,45	100	4	29	E	4,13

1634/2P

Spoke wrench, Shimano

- material: special tool steel, hardened and tempered
- surface finish: chrome plated according to EN12540
- the key body is plastic-coated
- Shimano Spoke wrench is used for nipples with dimensions 4.3 and 4.4 mm on Shimano® Wheel System. Plastic-coated body enables comfortable tightening and unscrewing of the nipples. The length of the wrench is 100 mm, which enables access to the nipples which are mounted on the wheel hub.



	S1	S2	L	A			
618410	4,3	4,4	100	4	29	E	4,13

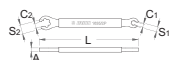


15 Tools for wheel sets

1635/2P

Spoke wrench, Mavic

- material: special tool steel, hardened and tempered
- surface finish: chrome plated according to EN12540
- the key body is plastic-coated
- The smaller end is used for nipples with a 6.4mm outside diameter, while the larger end is used for assembling and disassembling for tubeless Mavic rim inserts. Plastic-coated body enables comfortable tightening and unscrewing of the nipples.



Barcode	S1	S2	L	C1	C2	A	Weight	Material	Price
618411	6	10,9	120	3,7	5,4	4	41	E	4,42

1636/2P

Spoke wrench, 5 and 5.5 mm

- material: special tool steel, hardened and tempered
- surface finish: chrome plated according to EN12540
- the key body is plastic-coated
- This wrench is used for nipples with 5 mm and 5.5 mm dimensions. Plastic-coated body enables comfortable tightening and unscrewing of nipples.



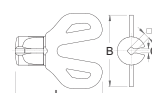
Barcode	S1	S2	L	A	Weight	Material	Price
619718	5	5,5	100	4	29	E	4,05



1630/2P

Spoke wrench

- handle plastic dipped
- The spoke wrench is designed to tighten nipples with flat diameters of 3.3 and 3.45 mm.
- The ergonomic design makes work easy and efficient. The 3.3 mm wrench has blue plastic coating while the 3.45 mm wrench has grey plastic coating.
- material: special tool steel, hardened and tempered

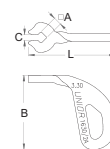


Barcode	Flat Diameter	A	B	C	Weight	Material	Price
615532	3.3	3,3	42	2,2	27	E	9,65
615533	3.45	3,45	42	2,2	27	E	9,65

1630/2A

Spoke wrench

- Spoke wrenches are designed to tighten nipples with flat diameter 3.3 mm to 3.45 mm. The form of wrench enables a perfect fit to the nipples without slippage and ensures efficient work.

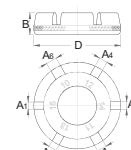


Barcode	Flat Diameter	A	B	C	Weight	Material	Price
616759	3.3	3,3	30	2,2	15	E	2,15
616845	3.45	3,45	30	2,2	15	E	2,15

1631/2

Triple spoke wrench

- material: special tool steel
- drop forged, entirely hardened and tempered
- This wrench fits the popular spoke nipple flat sizes: 3.3 mm, 3.45 mm, 3.7 mm, 3.96 mm, 4.4 mm and 5mm. The shape adjusts perfectly to the hand and allows a comfortable work and easy grip.

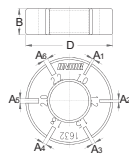


Barcode	D	B	A1	A2	A3	A4	A5	A6	Weight	Material	Price
616289	40	10	3,3	3,45	3,7	3,96	4,4	5	50	E	9,46

1632

Flat spoke wrench

- material: polyamide



	D	B	A1	A2	A3	A4	A5	A6			
617588	40	12	1	1,2	1,5	1,8	2	2,2	22	E	7,40

1629

Spoke, bearing and crank cotter gauge

- This easy to use tool enables us to measure spokes dimensions and bearing and crank cotter diameters.

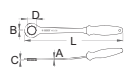


	L	B			
620561	357.5	30.8	129	P	8,90

1663/2BI

Wrench for Saint brake disc nut

- material: special tool steel, hardened and tempered
- surface finish: chrome plated according to EN12540
- ergonomic heavy duty double component handle
- The wrench is intended to install and remove Shimano Saint brake disc. The wrench opening is fully adjusted to the brake disc nut and the body is bent, which enables high-quality and fast work. The two-component sleeve on the handle fits exactly to the hand and enables the maximum power transfer to unscrew and tighten the disc.



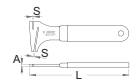
	L	D	B	A	C			
618413	342	31,7	3,0	4,0	3,5	285	A	17,05



1666/2DP

Rotor truing fork

- material: special tool steel, hardened and tempered
- surface finish: chrome plated according to EN12540
- The tool is designed to repair minor damage on brake rotors. It features two different slot depths to choose from.



	S	L	A			
619716	2,2	183	4	177	A	8,64

1750/2BI

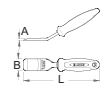
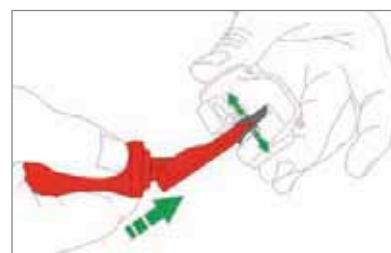
Bike brake disc spreader

- material: special tool steel
- ergonomic heavy duty double component handle
- surface finish: chrome plated to standard EN 12540
- tool is bended under 30°

use for changing bike brake pads

using:

1. remove wheel from bike
2. insert spreader between brake pads, pushing tool till the both brake pistons are back in the caliper body
3. remove the spreader
4. insert new brake pads
5. reinstall wheel back on



	A	B	L			
621889	3,5	25	160,5	130	E	12,75

15 Multifunctional tools

1612PB

Set of cone wrenches

- material: special tool steel, hardened and tempered
- The hub cone wrenches are intended for the home mechanics or professional users. The extreme thin design with pen end jaw fit four popular sizes. These cone wrenches are used by every cyclist for quick repairs and daily maintenance of bicycles.
- surface finish: chrome plated according to EN12540



Barcode	Hand	Size	Weight	Material	Price
615120	2	13/14 x 15/17. 13/14 x 15/16	152	P	7,12

1612/2

Hub cone wrench

- material: special tool steel, hardened and tempered
- The hub cone wrenches are intended for the home mechanics or professional users. The extreme thin design with pen end jaw fit four popular sizes. These cone wrenches are used by every cyclist for quick repairs and daily maintenance of bicycles.
- surface finish: chrome plated according to EN12540



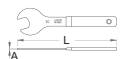
Barcode	Size 1	Size 2	L	A	Weight	Material	Price
615125	13 x 14	15 x 17	155	2,2	69	A	3,56
615126	13 x 14	15 x 16	155	2,2	69	A	3,56



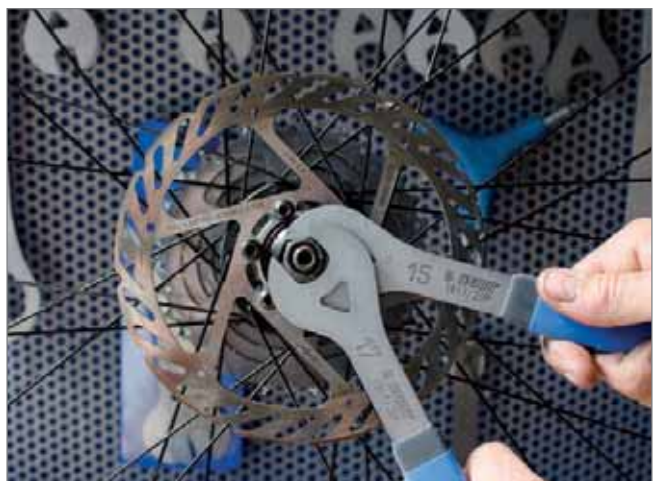
1617/2DP

Cone wrench, single sided

- The design and dimensions of our tools always adapt to new standards and bicycle models. The single sided cone wrench has a remarkable toughness, hardness, durability and tight fit. The ergonomic shape ensures good functionality. The cone wrench sits perfectly in the hand which makes the work fast and comfortable.
- material: special tool steel, hardened and tempered
- surface finish: chrome plated according to EN12540
- double plastic dipped handles



Barcode	Size	L	A	Weight	Material	Price
615518	13	200	2	86	A	5,94
615519	14	200	2	82	A	5,94
615520	15	200	2	84	A	5,94
615521	16	200	2	81	A	5,94
615522	17	200	2	80	A	5,94
615523	18	200	2	97	A	5,94
615524	19	200	2	81	A	5,94
615525	20	200	2	96	A	5,94
617840	22	220	3	134	A	5,95
621918	23	220	3	132	A	5,95
617841	24	220	3	130	A	5,95
619554	27	240	3	151	A	6,02
615367	30	275	4	293	A	6,19
615368	32	275	4	286	A	6,19
615369	34	275	4	289	A	6,19
615370	36	275	4	279	A	6,19
615371	40	275	4	275	A	6,19
615456	42	275	4	277	A	6,19
615457	44	275	4	270	A	6,19



1612/2A
Hub cone wrench

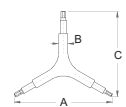
- Made of quality chrome vanadium steel, this wrench combines extreme toughness, hardness and durability. The shape and short design enables work in hard to reach places.
- material: chrome vanadium
- drop forged, entirely hardened and tempered
- surface finish: chrome plated according to EN12540



Barcode	Size	L	A	Weight	Material	Price
615373	8 x 9	109	4,1	21	A	2,42
615374	10 x 11	125	4,9	32	A	2,47
615375	12 x 13	139	5,3	46	A	3,45
615376	14 x 15	154	5,8	69	A	3,68

1606
Inbus, three-legged

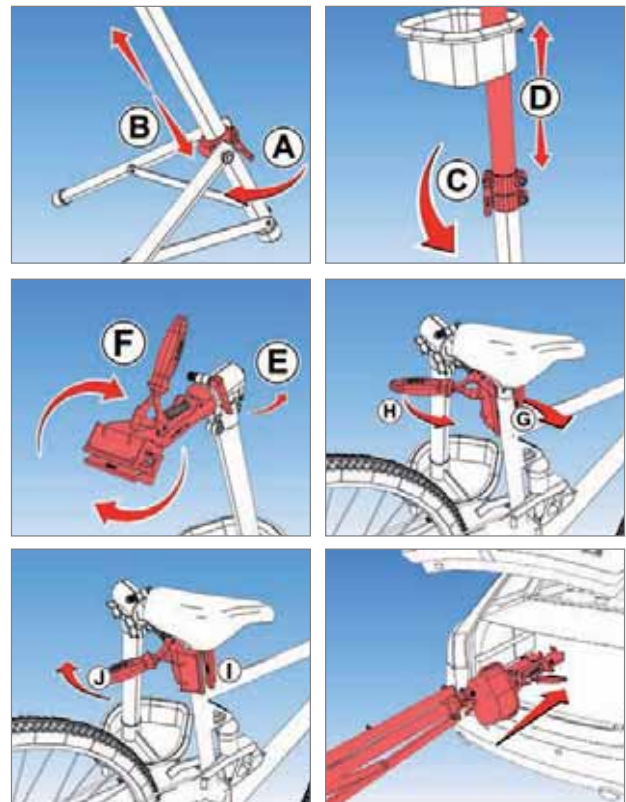
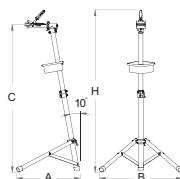
- material: chrome vanadium
- The key is used for tightening and unscrewing screws with inbus-shaped nuts. The plastic-coated middle part of the key offers a comfortable and compact grip of the key, which enables efficient working while the high-quality material enables long-term use of the tool



Barcode	Size	A	B	C	Weight	Material	Price
618405	2 2.5 3	128	111	12,5	86	A	3,99
618406	4 5 6	128	111	12,5	89	A	3,99

1693A
Stand with support tubes and jaw with spring

- The bike repair stand is the basic working tool both for service workshops and enthusiastic amateurs.
- It is easy to assemble and the support tubes are fold together enabling easier transportation between work place
- Maximum load capacity is 19kg
- Suitable for tubes with diameter of min. Ø24 mm and max. Ø32 mm.
- Weight of the stand is 6.5kg
- Replaceable rubber jaw covers, item 1693.11
- Code 623222 article 1693AS is stand with support tubes and jaw with adjustable nut

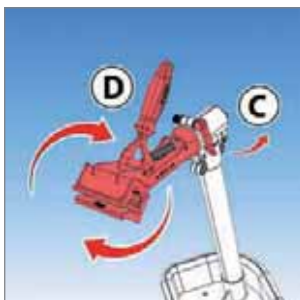
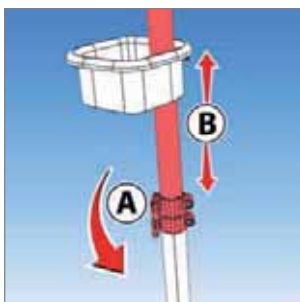
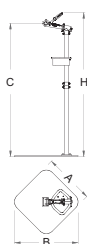


Barcode	Nº	C ↓	C ↑	B	A	H ↑	Weight	Material	Price
621470	1693A	980	1550	870	665	1680	8600	F	209,49
623222	1693AS	980	1550	870	665	1680	8600	F	209,11

1693B

Stand with fixed plate and jaw with spring

- Repair bike stand with fixed plate is designed for service workshops and every day use.
- Fixed plate is ergonomically designed. Maximum load capacity is 30kg, which enables the servicing of heavier bikes.
- Suitable for tubes with diameter of min. Ø24 mm and max. Ø32 mm.
- weight of the stand is 36kg
- Replaceable rubber jaw covers, item 1693.11
- Code 623226 article 1693B1 is stand with jaw with spring and without fixed plate
- Code 623223 article 1693BS is stand with fixed plate and jaw with adjustable nut
- Code 623227 article 1693BS1 is stand with jaw with adjustable nut and without fixed plate
- Repair bike stand 1693B1 and 1693BS1 is designed for floor or ceiling mount.

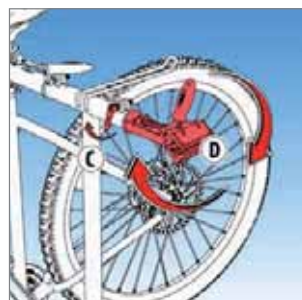
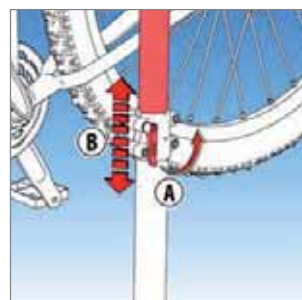
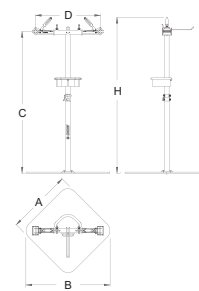


	Nº	C ↓	C ↑	B	A	H ↑			
621471	1693B	985	1570	726	572	1700	36800	F	336,93
623226	1693B1	985	1570			1700	6800	F	187,01
623223	1693BS	985	1570	726	572	1700	36800	F	336,55
623227	1693BS1	985	1570			1700	6800	F	186,63

1693C

Repair bike stand with two jaws with spring

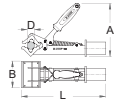
- Repair bike stand with fixed plate and two jaws is designed for service workshops and more demanding users.
- Stand enables work for two mechanics at the same time on two bikes.
- The new plastic cup enables storage of tools and spare parts.
- Fixed plate is ergonomically designed. Maximum load capacity is 45kg, which enables to service heavier bikes.
- Weight of the stand is 56,5kg.
- Additional accessories - paper roll holder.
- Suitable for tubes with diameter of min. Ø24 mm and max. Ø32 mm.
- Replaceable rubber jaw covers, item 1693.11
- Code 623228 article 1693C1 is stand with two jaws with spring and without fixed plate
- Code 623224 article 1693CS is stand with fixed plate and two jaws with adjustable nut
- Code 623229 article 1693CS1 is stand with two jaws with adjustable nut and without fixed plate
- Code 623230 article 1693CS2 is stand with two jaws(with spring and adjustable nut) and without fixed plate
- Repair bike stand 1693C1, 1693CS1 in 1693CS2 is designed for floor or ceiling mount.



	Nº	H	D	C ↓	C ↑	A	B			
622581	1693C	1680	704	985	1570	700	905	56500	F	471,25
623228	1693C1	1680	704	985	1570			11500	F	298,01
623224	1693CS	1680	704	985	1570	700	905	56500	F	470,49
623229	1693CS1	1680	704	985	1570			11500	F	297,25
623230	1693CS2	1680	704	985	1570			11500	F	297,39

1693.1
Jaw with spring for 1693

- Suitable for tubes with diameter of min. Ø24 mm and max. Ø32 mm.



Barcode	D	Df	B	A	L	Weight	Price
621472	24	32	96,5	192	305	3000	61,05

1693.3
Tool tray for 1693

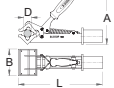
- Tool tray is distinguished by nicely separated opened drawers with additional space for hanging different tools. Tray fits with all the Unior stands.



Barcode	Weight	Price
623023	230	14,03


1693.1S
Jaw with adjustable nut for 1693

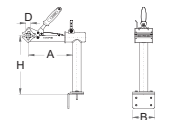
- Suitable for tubes with diameter of min. Ø24 mm and max. Ø38 mm.
- Easy accessible screw enables us, to modify the jaw opening and pressure when closed. The screw can be turned with hand, without use of any wrench.



Barcode	D	Df	B	A	L	Weight	Price
623206	24	38	96,5	192	305	1850	60,67

1693.2
Wall and bench jaw with spring

- Bench or wall mount option
- Intended for professional and home workshops
- Suitable for tubes with diameter of min. Ø24 mm and max. Ø32 mm.
- Easy accessible screw enables us, to modify the jaw opening and pressure when closed. The screw can be turned with hand, without use of any wrench.
- Code 623225 article 1693.2S is wall and bench jaw with adjustable nut



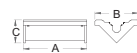
Barcode	Nº	D	Df	B	A	H	Weight	Price
622589	1693.2	24	32	120	239	313	4280	149,58
623225	1693.2S	24	38	120	239	313	4280	149,20

1693.4B
Fixed plate for 1693B


Barcode	B	A	Weight	Price
623231	726	572	30000	149,92

1693.4C
Fixed plate for 1693C


Barcode	B	A	Weight	Price
623232	905	700	45000	173,24

1693.11
Replaceable rubber jaw covers for 1693.1, 2 pcs set


Barcode	A	B	C	Weight	Price
621961	96,5	66	35	64	6,33

1693.12
Accessories for swiveling vice jaw 1693.1 and 1693.1S

- Replacement of the spring with the screw, enables us to modify the jaw opening and pressure when closed. The screw can be turned with hand, without use of any wrenches.



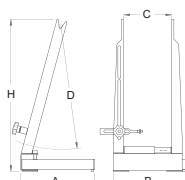
Barcode	Weight	Price
623205	150	9,81

15 Repairing and centering stands

1688

Wheel centering stand – for home use

- material: special tool steel
- This stand is intended especially for occasional users. It is very easy to use, light (2.3 kg) and does not take up much space. The left bracket is fixed and welded to the lower profile, while the right bracket is flexible due to different widths of wheel axes.
- The stand can be folded by folding the leg to the lower profile.
- The stand can also be fixed to the working bench by screws, which increases its stability
- It is possible to center wheels with dimension from 16 to 29 inch, with or without tire
- The control sensor is single sided so first the wheel shall be centered on one side, then turned around and centered on the other side.
- The additional function enables true checking of wheel discs.
- supports hubs up to 157 mm width



	D	C	C	A	B	H			
623060	760	90	172	218	217	463	2300	G	66,39

1688.2

Rim caliper for 1688

- Spare part for 1688 wheel centering stand for home use.



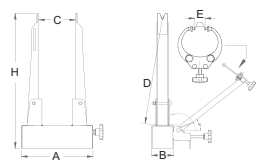
	A			
621616	96	74	E	12,84



1689

Wheel centering stand, for professional use

- material: special tool steel
- This stand for professional use is specially designed for bicycle repair shops. It can be bench-mounted or vise-held.
- The calipers enable simultaneous radial control of the wheel position on both sides, with an additional possibility to control radial symmetry in relation to the wheel hub.
- The geometry of the calipers enables a simultaneous axial control for accurate truing of the rim.
- The calipers have plastic coated tips to prevent leaving marks on the wheel.
- The upright arms position can be adjusted with an upright adjustment knob to fit the axle width. The caliper arm position can be adjusted to fit the wheel radius and the caliper tip distance can be adjusted to fit the rim width.
- When changing the wheel, the spring loaded upright arms and the caliper arm can be quickly pulled away, automatically springing back to a set position when inserting a new wheel. This enables faster truing of several same size wheels.
- accepts wheels from 16 to 29 inch with or without tire
- truing of 20 mm or other dimension axle wheels requires additional adapters
- truing control of brake rotors can be done with additional calipers inserted into slots in the upright arm.
- 1689 professional wheel centering stand arm can get out of center after being used frequently. Controlling caliper arm enables us, to calibrate the stand arm back to its center position.
- supports hubs up to 157 mm width
- additional holes are useful for storing all the three dimension hubs inserts 1689.3 (12, 15 and 20 mm)
- additional nuts in the bottom part of the stand enable easy tightening to a workbench

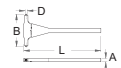


Barcode	D	C	C	E	E	A	B	Weight	Material	Price
623059	385	40	206	24	80	282	80	7300	G	189,64

1689.1

Controlling caliper arm for 1689

- 1689 professional wheel centering stand arm can get out of center after being used frequently. Controlling caliper arm enables us, to calibrate the stand arm back to its center position.



Barcode	D	B	L	A	Weight	Material	Price
621615	8	139,5	330	14	1159	E	60,03

1689.2

Brake caliper for 1689

- Brake caliper is used on the 1689 professional wheel centering stand.
- It enables us true checking of brake discs

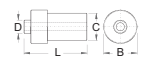


Barcode	A	Weight	Material	Price
622603	61	45	G	13,57

1689.3

Adapter for axle hubs

- Adapter for truing wheel sets with 20 mm axle hub



Barcode	Weight	Material	C	D	B	L	Weight	Material	Price
623004	12	2	11,9	9,8	17	46	46	E	11,19
623005	15	2	14,9	9,8	20	46	46	E	11,52
621617	20	2	19,9	9,8	24,5	46	46	E	12,55

15 Repairing and centering stands

1684

Bike lift

- The bike lift is a simple device which enables a bike to be stored under the ceiling. The lift assembly is fixed to the ceiling. The bike can be raised or lowered by using the rope.
- Mounting instructions are enclosed.
- Weight capacity: 50 lb or 22,5 kg.



Barcode	Icon	Icon	Icon	Icon
618371	1675	F	16,18	

1655FH

Multifunctional bicycle tool set

- Unior multifunction tool is an excellent solution for every cyclist.
- It fits perfectly into every cyclist's pocket or mini bag.
- Tool enables you to make all the minor repairs on every bicycle.
- Unior multifunction tool includes:
 - hexagonal wrenches 2, 2.5, 3, 4, 5, 6
 - TX profile wrenches size 25 and 30
 - screwdriver bit with PH profile (replaceable)
 - chain tool
 - spoke key for nipple dimensions 3.5, 3.3, 4.0, 4.2
 - Shimano chain pin holder



Barcode	Icon	Icon	Icon	Icon
621983	135	E	23,70	

1600A1

Set of bike tools 13 pcs in bag

- Basic bike tool set for basic repairs. A must-have for every cyclist.



Barcode	Nº	Icon	Icon	Icon	Icon
622878	1600A1	13	650	Z	55,88
1631/2 (3,3 x 3,45 x 3,7 x 3,96 x 4,4 x 5), 220/3PH, 1647/2ABI, 1644/2, 1657					

1600A2

Set of bike tools 19 pcs in bag

- Basic bike tool set for basic repairs. Useful for basic maintenance and small repairs.



Barcode	Nº	Icon	Icon	Icon	Icon
622879	1600A2	19	2000	Z	134,89
1610/2 (15 x 15), 584/2POLLY (180), 1657, 1612/2 (13 x 14 x 15 x 17, 13 x 14 x 15 x 16), 220/3LPH, 1631/2 (3,3 x 3,45 x 3,7 x 3,96 x 4,4 x 5), 1647/2ABI, 1660/2, 1670.5/4 (Sram), 1644/2					

1600A3

Set of bike tools 22 pcs in bag

- Bike tool set for home amateur mechanics and bicycle enthusiasts.



Barcode	Nº	Icon	Icon	Icon	Icon
622880	1600A3	22	2700	Z	168,32
1610/2 (15 x 15), 1644/2, 584/2POLLY (180), 615TBI (PH 2 x 100), 1612/2 (13 x 14 x 15 x 17, 13 x 14 x 15 x 16), 220/3LPH, 1609/2BI, 1631/2 (3,3 x 3,45 x 3,7 x 3,96 x 4,4 x 5), 1647/2ABI, 1660/2, 1670.5/4 (Sram), 1657, 1666/2DP (2,2)					

1600AT

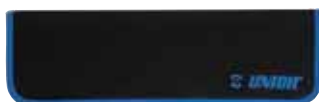
Empty bag for 1600A



Barcode	A	B	Icon	Icon	Icon
617229	210	200	160	E	9,35

1600BT

Empty bag for 1600B



617230	A	B			
	390	270	280	E	16,36

1600CT

Empty bag for 1600C



617231	A	B			
	380	460	453	E	18,69



1600EN

Set of bike tools 37 pcs

• Intermediate bike tool set satisfies the more demanding mechanic's needs.

622875	1600EN	37	7200	K	430,63
1609/2BI, 1613/2BI (15), 1666/2DP (2,2), 1657, 1617/2DP (13, 14, 15, 16, 17), 1630/2P (3.3, 3.45), 1750/2BI, 1660/2, 1661/4, 1670.5/4 (Sram), 1671.1/4, 1671.2/4, 1682/4, 1647/2ABI, 250/1 (300), 193HX (2.5, 3, 4, 5, 6, 8, 10), 220/3L (2), 193TX (TX 25), 615TBI (PH 1 x 80), 1683/4A (1" x 1.1/8" x 1.1/4" x 1.1/2"), 605TBI (0.5 x 3.0 x 80), 1642.1/2P, 1681/4 (1" x 1.1/8" x 1.1/4"), 1644/2, 584/2POLLY (180), AP1					

1600E1N

Set of bike tools in tool box

• Intermediate bike tool set satisfies the more demanding mechanic's needs.



623008	1600E1N	37	11000	K	481,86
1600EN, 911VSOS (95 x 447 x 30), 911/5 (460 x 210 x 220)					

1600GN

Set of bike tools 50 pcs

• Advanced bike tool set satisfies most of the mechanic's needs.

622876	1600GN	50	12700	F	656,62
190.1/1ABI (1/2"), 1609/2BI, 1612/2A (8 x 9, 10 x 11), 1666/2DP (2,2), 1657, 1613/2BI (15), 1750/2BI, 1617/2DP (13, 14, 15, 16, 17, 32), 1630/2P (3.3, 3.45), 1647/2ABI, 1660/2, 1661/4, 1670.5/4 (Sram), 1671.2/4, 1680/4 (1" x 1.1/8" x 1.1/4" x 1.1/2"), 1681/4 (1" x 1.1/8" x 1.1/4"), 1682/4, 1683/4A (1" x 1.1/8" x 1.1/4" x 1.1/2"), 253/2DP, 1642.1/2P, 1606 (2 x 2.5 x 3), 193HX (2.5, 3, 4, 5, 6, 8, 10), 220/3L (2), 193TX (TX 25), 615TBI (PH 1 x 80, PH 2 x 100), 605TBI (0.5 x 3.0 x 80, 0.8 x 4.0 x 100), 449/1PYTHON (240), 449.1 (240), 1643/4 (0 - 1,2), 1670/2BI, 45/2BI, 250/1 (300), 1671.1/4, 584/2POLLY (180), AP1					

1600G1N

Set of bike tools 50 pcs in tool case

- Advanced bike tool set satisfies most of the mechanic's needs.



№	№				
622877	1600G1N	50	20700	F	1011,55
1600GN, 969L (510 x 405 x 270), 969.2L, 969.21L					

1600N

Set of bike tools in tool carriage



№	№				
622977	1600N	54	86200	K	2542,43
1600SOS7, 1600SOS8, 1600SOS9, 1600SOS10, 1600SOS11, 1600SOS12, 940E4 (720 x 440 x 895)					

1600SOS7

Bike tool set in SOS tool tray

- Bike tool set includes most of the tools to handle repairs and maintenance on the headset.



№	№				
622862	1600SOS7	8	7300	F	398,05
1680/4 (1" x 1.1/8" x 1.1/4" x 1.1/2"), 1683/4A (1" x 1.1/8" x 1.1/4" x 1.1/2"), 1681/4 (1" x 1.1/8" x 1.1/4"), 1682/4, 1681.1/4 (1.1/4" x 1.1/2"), 1696 (1" x 24 tpi), 1696.2 (1.1/8" x 24 tpi), 1618/2DP (36), v11600SOS7 (564 x 364 x 30)					

v11600SOS7

SOS tool tray for 1600SOS7



B	L	H			
622868	564	364	30	168	F 19,31

1600SOS8

Bike tool set in SOS tool tray

- Bike tool set supports chain and basic wheel set repairs.



№	№				
622863	1600SOS8	12	3000	F	207,83
1601/2DP, 1658/2P, 466/1BI (180), 1612/2 (13 x 14 x 15 x 17, 13 x 14 x 15 x 16), 183/2 (8 x 10), 193TX (TX 25), 1647/2ABI, 1666/2DP (2,2), 1642.1/2P, 584/2POLLY (180), 1663/2BI, v11600SOS8 (564 x 364 x 30)					

v11600SOS8

SOS tool tray for 1600SOS8



B	L	H			
622869	564	364	30	128	F 19,31

1600SOS9
Bike tool set in SOS tool tray

- Bike tool set enables reaming and cutting repairs on the bottom bracket.



Barcode	Nº	Hand	Weight	Volume	Price
622864	1600SOS9	3	5000	F	407,10
1699 (36 x 24 tpi (ITAL) x 1.3/8 x 24 tpi (BSA)), 1698.1 (36 x 24 tpi (ITAL)), 1697 (1.3/8 x 24 tpi), v1600SOS9 (564 x 364 x 30)					

v1600SOS9
SOS tool tray for 1600SOS9


Barcode	B	L	H	Weight	Volume	Price
622870	564	364	30	128	F	19,31

1600SOS10
Bike tool set in SOS tool tray

- Bike tool set include tools for advanced work on the headset.



Barcode	Nº	Hand	Weight	Volume	Price
622865	1600SOS10	3	6500	F	415,96
1614/4BI (1" x 1.1/8" x 1.1/2"), 1694 (1.1/8"), 1605/2, v1600SOS10 (564 x 364 x 30)					

v1600SOS10
SOS tool tray for 1600SOS10


Barcode	B	L	H	Weight	Volume	Price
622871	564	364	30	128	F	19,31

1600SOS11
Bike tool set in SOS tool tray

- Bike tool set includes tools to work on different crankset and bottom bracket standards.



Barcode	Nº	Hand	Weight	Volume	Price
622866	1600SOS11	12	4800	F	288,15
1625/2 (60), 1664, 1613/2BI (15), 1608/2BI, 1609/2BI, 190.1/1ABI (1/2"), 1671.6/2BI, 1671.5/2BI, 1671.1/4, 1671.2/4, 1661.1/4P (M 22 x 1), 1661.2/4PGR (16), v1600SOS11 (564 x 364 x 30)					

v1600SOS11
SOS tool tray for 1600SOS11


Barcode	B	L	H	Weight	Volume	Price
622872	564	364	30	128	F	19,31

1600SOS12
Bike tool set in SOS tool tray

- Bike tool set is intended for work with spokes and cassette sprockets.



Barcode	Nº	Hand	Weight	Volume	Price
622867	1600SOS12	15	2500	F	153,73
1635/2P, 1636/2P (5 x 5,5), 1634/2P (4,3 x 4,4), 1670.1/4, 1670.4/4, 1606 (2 x 2.5 x 3, 4 x 5 x 6), 1667/2, 1630/2P (3.3, 3.45), 1670/2BI, 1660/2, 1670.5/4 (Sram), 1669/4, 1670.7/4, v1600SOS12 (564 x 364 x 30)					

v1600SOS12
SOS tool tray for 1600SOS12


Barcode	B	L	H	Weight	Volume	Price
622873	564	364	30	128	F	19,31

Vices, clamps, saws, files, wheels, levers, utility knives, ...



Handy

The wide range of tools are intended for various target groups of users. Clamps ensure quick and simple clamping. The cutting and grinding wheels are designed for working both tough and soft metals, plastics, etc.



Strong Grip

The Unior tools are distinguished by providing a strong grip on the objects being worked on without injury.

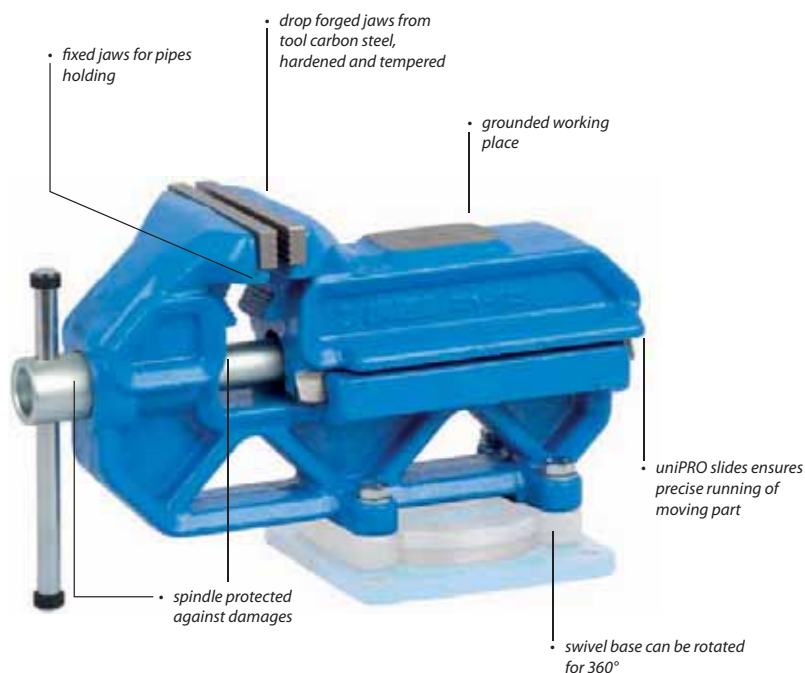
The guides in the clamps enable the accurate movement of jaws with the quick movement handle. Installation on rotating bases ensures that it adapts to the object being worked on.



Top Quality Materials

The well-thought-out design and precise manufacture prevent damage to the objects being worked on even under a substantial load. With these characteristics, the effective Unior tools are the right selection for craftsmen who require quality and durable tools with a long service life.

Features of Unior's IRONGATOR engineers vice





Vices

372 - 373



Clamps

373 - 375



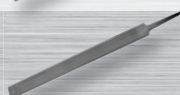
Saws

375 - 376



Files

376 - 380



Rasps

380



Scrapers, screw extractors

380 - 381



Wheels

382 - 383



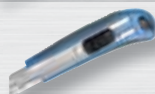
Discs

383



Levers

383



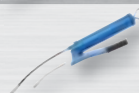
Utility knife, gauges, riveter

383 - 385



Axe, tweezers

385



Awl, oil can, grease gun

386



Sprayers

387



Other characteristics and options:

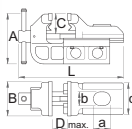
- strong construction from gray casting,
- can be mounted on worktable or tool carriage,
- additional model with quick moving system,
- lacquered housing,
- jaws anticorrosive oiled.







721/6

IRONGATOR engineers vice

- housing from gray iron casting
- drop forged jaws from tool carbon steel, hardened and tempered
- lacquered housing, jaws anticorrosive oiled, other parts zinc plated
- spindle protected against damage
- uniPRO slides ensures precise running of moving parts
- engineers vice can be combined with swivel base

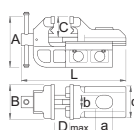






	B	D f	L		C	a	b	c	A			
621564	80	100	215	11 - 35	46	42	28	64	113	3500	G	98,63
621481	125	160	336	17 - 62	73	66	44	95	176	14400	G	183,39
621567	150	190	400	20 - 66	88	80	53	117	211	24200	G	274,53
621570	200	220	461	24 - 80	103	93	62	140	265	37800	G	383,64

721Q/6

Quick IRONGATOR engineers vice with quick moving system

- housing from gray iron casting
- drop forged jaws from tool carbon steel, hardened and tempered
- lacquered housing, jaws anticorrosive oiled, other parts zinc plated
- uniPRO slides ensures precise running of moving parts
- engineers vice can be combined with swivel base
- quick moving system



	B	D f	L		C	a	b	c	A			
621482	125	120	336	17 - 62	77	66	44	95	176	14500	G	268,12
621568	150	190	400	20 - 66	88	80	53	117	211	23500	G	331,65

721.1/6

Swivel base for 721/6 and 721Q/6

- housing from gray iron casting
- material other parts: special tool steel
- swivel base can be rotated for 360°



Barcode	mm	mm	Weight (kg)	Price (€)
621566	80	2570	F	27,82
621483	125	2575	F	54,28
621569	150	2580	F	67,74
621572	200	2585	F	90,85

722.1/7

Spare jaw for 722/6

- material: special tool steel
- drop forged, entirely hardened and tempered
- set 2 pieces



Barcode	B (mm)	Weight (kg)	Weight (kg)	Price (€)
623083	80	240	E	18,58
619020	125	378	E	20,03
619021	150	1030	E	33,41
619023	200	1365	E	39,27

722.1AL

Spare aluminium jaws for 722/6

- material: aluminium
- set 2 pieces

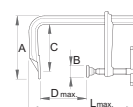


Barcode	B (mm)	Weight (kg)	Weight (kg)	Price (€)
623084	80	110	E	18,58
619026	125	156	E	19,94
619027	150	400	E	33,41
619029	200	541	E	39,27

702/5MH

Joiner's clamp

- material: special tool steel
- entirely hardened and tempered
- surface finish: zinc plated to standard DIN EN 12329, screw blackened
- intended for timber and building industry
- metal handle

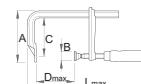


Barcode	D (mm)	C (mm)	L (mm)	A (mm)	B (mm)	Weight (kg)	Weight (kg)	Price (€)
608433	120	100	330	155	25	705	H	19,96
608434	160	100	370	155	25	750	H	21,73
608435	200	100	410	155	25	800	H	26,14
608436	250	100	460	155	25	855	H	31,67
608360	300	120	550	180	35	1765	H	38,94
608437	400	120	650	180	35	1975	H	45,90
608438	500	120	750	180	35	2205	H	49,16
608439	600	120	850	180	35	2395	H	52,14
608440	800	120	1050	180	35	2880	H	62,94
608441	1000	120	1250	180	35	3250	H	70,58

702/5WH

Joiner's clamp

- material: special tool steel
- entirely hardened and tempered
- surface finish: zinc plated to standard DIN EN 12329, screw blackened
- intended for timber and building industry
- wooden handle, lacquered

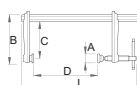


Barcode	D (mm)	C (mm)	L (mm)	A (mm)	B (mm)	Weight (kg)	Weight (kg)	Price (€)
601783	120	100	330	155	25	740	H	20,01
601784	160	100	370	155	25	800	H	23,23
601785	200	100	410	155	25	840	H	28,00
601786	250	100	460	155	25	900	H	33,91
601787	300	120	550	180	35	1795	H	40,55
601788	400	120	650	180	35	1995	H	47,77
601789	500	120	750	180	35	2220	H	51,17
601790	600	120	850	180	35	2410	H	55,60
601791	800	120	1050	180	35	2855	H	65,50
601792	1000	120	1250	180	35	3270	H	73,46

703/5MH

Joiner's clamp universal

- material: special tool steel
- entirely hardened and tempered
- surface finish: zinc plated to standard DIN EN 12329, screw blackened
- intended for timber and building industry
- metal handle
- for internal and external clamping



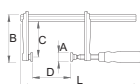
	D	C	L	A	B	T		
608230	1000	120	1250	35	180	3515	H	77,85



703/5WH

Joiner's clamp universal

- material: special tool steel
- entirely hardened and tempered
- surface finish: zinc plated to standard DIN EN 12329, screw blackened
- intended for timber and building industry
- wooden handle, lacquered
- for internal and external clamping



	D	C	L	A	B	T		
607346	1000	120	1250	35	180	3625	H	77,85

704/5

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
- fixed arm and sliding jaw are drop forged, made from carbon tool steel, hardened and tempered
- accidental opening of the clamp is prevented by the locking pawl



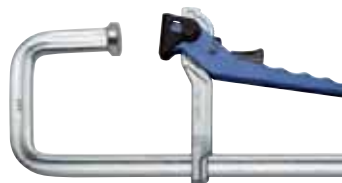
	D	C	L	A	B	T		
609961	160	120	360	25	25	1135	H	38,18
609962	200	120	400	25	25	1185	H	39,54
609963	250	120	450	25	25	1250	H	41,97
609964	300	140	570	35	25	2515	H	56,20
609965	400	140	670	35	35	2775	H	62,29
609966	500	140	770	35	35	3045	H	67,85
609967	600	140	870	35	35	3320	H	74,06
609972	800	140	1070	35	35	3850	H	79,62
609973	1000	140	1270	35	35	4305	H	85,17



704/5A

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
- fixed arm and sliding jaw are drop forged, made from carbon tool steel, hardened and tempered
- accidental opening of the clamp is prevented by the locking pawl

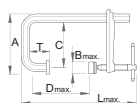


	D	T	C	L	A	B	T	
617528	250	60	120	530	170	40	1470	48,76
617529	300	100	140	655	190	40	3070	53,48
617530	400	150	140	805	190	40	3550	58,59

705/5AMH

Heavy duty engineering U clamp

- fixed arm and sliding jaw are drop forged, made from carbon tool steel, hardened and tempered
- the foot is drop forged, replaceable and swiveling
- the foot, spindle and handle are protected against corrosion

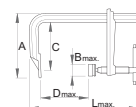


Barcode	D	T	C	L	A	B	Weight	Material	Price
617531	250	60	140	450	170	40	2520	H	44,23
617539	300	100	140	560	190	40	2870	H	55,42
617540	400	150	140	710	190	40	3350	H	60,76

705/5MH

Heavy duty engineering clamp

- fixed arm and sliding jaw are drop forged, made from carbon tool steel, hardened and tempered
- the foot is drop forged, replaceable and swiveled
- the foot, spindle and handle are protected against corrosion

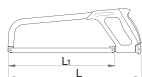


Barcode	D	T	C	L	A	B	Weight	Material	Price
609974	160	140	370	155	30	1940	H		34,74
609968	200	140	410	155	30	2040	H		41,57
609982	250	140	460	155	30	2185	H		43,20
609969	300	140	550	180	40	2295	H		52,66
609970	400	140	650	180	40	2545	H		53,62
609971	500	140	750	180	40	2810	H		60,94
609975	600	140	850	180	40	3030	H		65,13
609983	800	140	1050	180	40	3550	H		71,37
609984	1000	140	1250	180	40	4100	H		78,80

750

Hacksaw frame

- light compact with ergonomically designed handle
- three blade position
- blade storage in the frame for max. 5 blades
- frame chrome plated, handle blue lacquered
- art. 750/1 with one blade

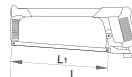


Barcode	L	L1	L1	Weight	Material	Price
601890	407	310	12"	780	Z	32,15

750B

Hacksaw

- light compact with ergonomically designed handle
- frame chrome plated, handle blue lacquered
- two blade position



Barcode	L	L1	Weight	Material	Price
621531	400	300	731	Z	20,65

750.1B

Spare blade for 750B, 2 pcs set



Barcode	Quantity	Weight	Material	Price
621532	2	40	F	4,58



750.1 CAR

Carbon saw blade for 750B, 2 pcs set

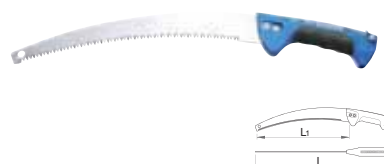


Barcode	Weight (kg)	Material	Price (€)
623099	40	F	10,23

752

Pruning saw

- material: blade carbon tool steel
- handle polystyrene

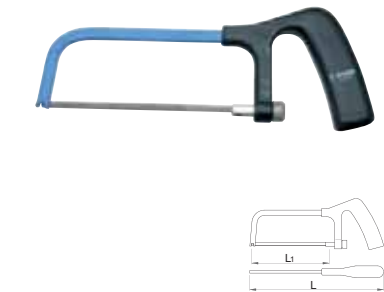


Barcode	L1	L	Weight (kg)	Material	Price (€)
609424	330	497	270	Z	14,39

753P

Saw

- plastic handle
- replaceable blade

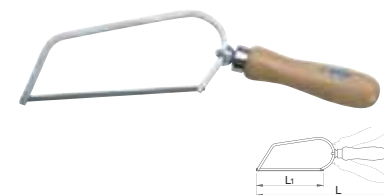


Barcode	L1	L	Weight (kg)	Material	Price (€)
612164	150	260	192	Z	9,52

753W

Saw

- wooden handle
- adjustable handle
- replaceable blade



Barcode	L1	L	Weight (kg)	Material	Price (€)
612163	150	305	127	Z	6,55

753.1

Spare blade for 753P, 753W and 753VDE, 2 pcs set

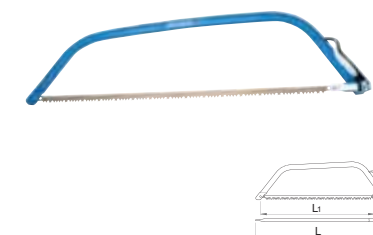


Barcode	Weight (kg)	Material	Price (€)
617281	3	F	2,39

755

Bow saw

- material: blade carbon tool steel
- handle: sheet metal



Barcode	L1	L1	L	Weight (kg)	Material	Price (€)
612236	610	24"	700	580	Z	7,23
609407	762	30"	850	750	Z	8,07
609408	914	36"	1000	810	Z	9,46

755.1

Spare blade for 755



Barcode	L1	L1	Weight (kg)	Material	Price (€)
612237	610	24"	50	F	2,16
609409	762	30"	78	F	2,39
609410	914	36"	95	F	2,73

757

Hand saw

- material: blade carbon tool steel
- handle polystyrene



Barcode	L1	L	Weight (kg)	Material	Price (€)
609423	400	493	408	C	11,38

760B

Flat file, bastard

- material: carbon tool steel
- all files have second cut



Barcode	Weight (kg)	a x b	Weight (kg)	Material	Price (€)
619289	100	3.5 x 12	40	P	3,39
619290	150	4 x 16	83	P	3,60
612911	200	5 x 20	195	P	4,87
612912	250	7 x 26	275	P	5,91
612913	300	8 x 30	510	P	7,94

760 1/2S

Flat file, half smooth

- material: carbon tool steel
- all files have second cut



Barcode	Weight (kg)	a x b	Weight (kg)	Material	Price (€)
619293	100	3.5 x 12	40	P	3,50
619294	150	4 x 16	82	P	3,71
612914	200	5 x 20	175	P	5,36
612915	250	7 x 26	315	P	6,50
612916	300	8 x 30	417	P	8,19

760S

Flat file, smooth

- material: carbon tool steel
- all files have second cut



Barcode	Weight (kg)	a x b	Weight (kg)	Material	Price (€)
619297	100	3.5 x 12	58	P	3,60
619298	150	4 x 16	86	P	3,83
612917	200	5 x 20	195	P	5,36
612918	250	7 x 26	285	P	6,50
612919	300	8 x 30	432	P	8,19

760HB

Flat file with handle, bastard

- material: carbon tool steel
- all files have second cut



Barcode	Weight (kg)	L	a x b	Weight (kg)	Material	Price (€)
619291	100	190	3.5 x 12	68	P	5,13
619292	150	240	4 x 16	120	P	5,34
612992	200	325	5 x 20	270	P	6,17
612993	250	375	7 x 26	385	P	7,51
612994	300	425	8 x 30	587	P	10,04

760H1/2S**Flat file with handle, half smooth**

- material: carbon tool steel
- all files have second cut



Barcode	L	a x b	Weight	Material	Price
619295	100	190 3.5 x 12	68	P	5,12
619296	150	240 4 x 16	120	P	5,46
612995	200	325 5 x 20	270	P	6,79
612996	250	375 7 x 26	385	P	8,22
612997	300	425 8 x 30	577	P	10,37

760HS**Flat file with handle, smooth**

- material: carbon tool steel
- all files have second cut



Barcode	L	a x b	Weight	Material	Price
619299	100	190 3.5 x 12	68	P	5,34
619300	150	240 4 x 16	120	P	5,56
612998	200	325 5 x 20	270	P	6,79
612999	250	375 7 x 26	385	P	8,22
613001	300	425 8 x 30	577	P	10,37

761B**Half-round file, bastard**

- material: carbon tool steel
- all files have second cut



Barcode	a x b	Weight	Material	Price
619301	100 4 x 11	40	P	3,71
619302	150 5 x 16	80	P	4,80
612920	200 7 x 21	154	P	5,83
612921	250 8 x 24	267	P	6,81
612922	300 10 x 30	387	P	9,23

761 1/2S**Half-round file, half smooth**

- material: carbon tool steel
- all files have second cut



Barcode	a x b	Weight	Material	Price
619305	100 4 x 11	40	P	3,83
619306	150 5 x 16	81	P	4,91
612923	200 7 x 21	155	P	6,51
612924	250 8 x 24	315	P	7,63
612925	300 10 x 30	408	P	10,92

761S**Half-round file, smooth**

- material: carbon tool steel
- all files have second cut



Barcode	a x b	Weight	Material	Price
619309	100 4 x 11	42	P	3,93
619310	150 5 x 16	78	P	5,03
612926	200 7 x 21	135	P	6,51
612927	250 8 x 24	251	P	7,63
612928	300 10 x 30	409	P	10,92

761HB**Half-round file with handle, bastard**

- material: carbon tool steel
- all files have second cut



Barcode	L	a x b	Weight	Material	Price
619303	100	190 4 x 11	67	P	5,46
619304	150	240 5 x 16	112	P	6,43
613002	200	325 7 x 21	250	P	7,38
613003	250	375 8 x 24	355	P	8,63
613004	300	425 10 x 30	557	P	11,67

761H1/2S**Half-round file with handle, half smooth**

- material: carbon tool steel
- all files have second cut



Barcode	L	a x b	Weight	Material	Price
619307	100	190 4 x 11	67	P	5,13
619308	150	240 5 x 16	112	P	6,14
613005	200	325 7 x 21	250	P	8,25
613006	250	375 8 x 24	355	P	9,66
613007	300	425 10 x 30	557	P	13,81

761HS**Half-round file with handle, smooth**

- material: carbon tool steel
- all files have second cut



Barcode	L	a x b	Weight	Material	Price
619311	100	190 4 x 11	67	P	5,64
619312	150	240 5 x 16	112	P	6,77
613008	200	325 7 x 21	250	P	8,25
613009	250	375 8 x 24	355	P	9,66
613010	300	425 10 x 30	557	P	13,81

762/5B**Set of files, bastard**

Barcode	Nº	Hand	Weight	Material	Price
619467	762/5B	5	500	P	29,52
760HB (150), 761HB (150), 763HB (150), 764HB (150), 765HB (150)					
612929	762/5B	5	1020	P	29,96
760HB (200), 761HB (200), 763HB (200), 764HB (200), 765HB (200)					
612930	762/5B	5	1430	P	37,59
760HB (250), 761HB (250), 763HB (250), 764HB (250), 765HB (250)					

762/5 1/2S**Set of files, half smooth**

Barcode	Nº	Hand	Weight	Material	Price
619468	762/5 1/2S	5	500	P	29,54
760H1/2S (150), 761H1/2S (150), 763H1/2S (150), 764H1/2S (150), 765H1/2S (150)					
612931	762/5 1/2S	5	1020	P	33,18
760H1/2S (200), 761H1/2S (200), 763H1/2S (200), 764H1/2S (200), 765H1/2S (200)					
612932	762/5 1/2S	5	1560	P	40,79
760H1/2S (250), 761H1/2S (250), 763H1/2S (250), 764H1/2S (250), 765H1/2S (250)					

762/5S

Set of files, smooth



Barcode	Nº	Hand	Person	Box	Price
619469	762/5S	5	500	P	30,24
760HS (150), 761HS (150), 763HS (150), 764HS (150), 765HS (150)					
612933	762/5S	5	1020	P	33,18
760HS (200), 761HS (200), 763HS (200), 764HS (200), 765HS (200)					
612934	762/5S	5	1560	P	40,79
760HS (250), 761HS (250), 763HS (250), 764HS (250), 765HS (250)					

763B

Round file, bastard

- material: carbon tool steel
- all files have second cut

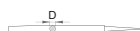


Barcode	L	D	Person	Box	Price
619313	100	4	15	P	3,00
619314	150	6	42	P	3,11
612935	200	8	85	P	4,44
612936	250	10	165	P	5,68
612937	300	12	260	P	7,72

763 1/2S

Round file, half smooth

- material: carbon tool steel
- all files have second cut



Barcode	L	D	Person	Box	Price
619317	100	4	15	P	3,11
619318	150	6	42	P	3,23
612938	200	8	86	P	5,04
612939	250	10	155	P	6,26
612940	300	12	265	P	8,49

763S

Round file, smooth

- material: carbon tool steel
- all files have second cut



Barcode	L	D	Person	Box	Price
619321	100	4	15	P	3,23
619322	150	6	40	P	3,34
612941	200	8	86	P	5,04
612942	250	10	171	P	6,26
612943	300	12	277	P	8,49

763HB

Round file with handle, bastard

- material: carbon tool steel
- all files have second cut



Barcode	L	D	Person	Box	Price
619315	100	190	4	52	4,84
619316	150	240	6	76	4,95
613011	200	325	8	167	5,62
613012	250	375	10	225	7,20
613013	300	425	12	327	9,79

763H1/2S

Round file with handle, half smooth

- material: carbon tool steel
- all files have second cut



Barcode	L	D	Person	Box	Price
619319	100	190	4	52	4,95
619320	150	240	6	76	5,07
613014	200	325	8	167	6,36
613015	250	375	10	225	7,93
613016	300	425	12	327	10,76

763HS

Round file with handle, smooth

- material: carbon tool steel
- all files have second cut



Barcode	L	D	Person	Box	Price
619323	100	190	4	52	5,07
619324	150	240	6	76	5,18
613017	200	325	8	167	6,36
613018	250	375	10	225	7,93
613019	300	425	12	327	10,76

764B

Three-square file, bastard

- material: carbon tool steel
- all files have second cut



Barcode	L	B	Person	Box	Price
619325	100	8	30	P	3,46
619326	150	11	92	P	3,58
612944	200	14	170	P	4,22
612945	250	17	265	P	5,46
612946	300	20	348	P	7,90

764 1/2S

Three-square file, half smooth

- material: carbon tool steel
- all files have second cut

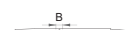


Barcode	L	B	Person	Box	Price
619329	100	8	25	P	3,58
619330	150	11	94	P	3,80
612947	200	14	136	P	4,64
612948	250	17	260	P	6,00
612949	300	20	357	P	8,70

764S

Three-square file, smooth

- material: carbon tool steel
- all files have second cut



Barcode	L	B	Person	Box	Price
619333	100	8	22	P	3,69
619334	150	11	92	P	3,92
612950	200	14	155	P	4,64
612951	250	17	260	P	6,00
612952	300	20	347	P	8,70

764HB

Three-square file with handle, bastard

- material: carbon tool steel
- all files have second cut



Barcode	L	B	Person	Box	Price
619327	100	190	8	60	5,30
619328	150	240	11	100	5,42
613020	200	325	14	210	5,35
613021	250	375	17	285	6,92
613022	300	425	20	467	10,00

764H1/2S**Three-square file with handle, half smooth**

- material: carbon tool steel
- all files have second cut



Barcode	↖	L	B	Weight	Material	Price
619331		100	190	8	60	P 5,42
619332		150	240	11	100	P 5,64
613023		200	325	14	210	P 5,88
613024		250	375	17	285	P 7,60
613025		300	425	20	467	P 11,01

764HS**Three-square file with handle, smooth**

- material: carbon tool steel
- all files have second cut



Barcode	↖	L	B	Weight	Material	Price
619335		100	190	8	60	P 5,53
619336		150	240	11	125	P 5,68
613026		200	325	14	210	P 5,88
613027		250	375	17	285	P 7,60
613028		300	425	20	467	P 11,01

765B**Square file, bastard**

- material: carbon tool steel
- all files have second cut



Barcode	↖	A	Weight	Material	Price
619337		100	4	20	P 2,88
619338		150	6	50	P 3,11
612953		200	8	95	P 4,29
612954		250	10	193	P 5,80
612955		300	12	282	P 7,52

765 1/2S**Square file, half smooth**

- material: carbon tool steel
- all files have second cut



Barcode	↖	A	Weight	Material	Price
619341		100	4	20	P 3,00
619342		150	6	48	P 3,23
612956		200	8	91	P 4,67
612957		250	10	194	P 5,83
612958		300	12	304	P 7,88

765S**Square file, smooth**

- material: carbon tool steel
- all files have second cut



Barcode	↖	A	Weight	Material	Price
619345		100	4	18	P 3,11
619346		150	6	50	P 3,34
612959		200	8	93	P 4,67
612960		250	10	181	P 5,83
612961		300	12	332	P 7,88

765HB**Square file with handle, bastard**

- material: carbon tool steel
- all files have second cut



Barcode	↖	L	A	Weight	Material	Price
619339		100	190	4	70	P 4,72
619340		150	240	6	85	P 5,23
613029		200	325	8	187	P 5,43
613030		250	375	10	285	P 7,33
613031		300	425	12	437	P 9,51

765H1/2S**Square file with handle, half smooth**

- material: carbon tool steel
- all files have second cut



Barcode	↖	L	A	Weight	Material	Price
619343		100	190	4	70	P 4,84
619344		150	240	6	85	P 5,07
613032		200	325	8	187	P 5,90
613033		250	375	10	285	P 7,38
613034		300	425	12	437	P 9,97

765HS**Square file with handle, smooth**

- material: carbon tool steel
- all files have second cut



Barcode	↖	L	A	Weight	Material	Price
619347		100	190	4	70	P 4,84
619348		150	240	6	85	P 5,07
613035		200	325	8	187	P 5,90
613036		250	375	10	285	P 7,38
613037		300	425	12	437	P 9,97

766A1**Handle for files 763,764,765 for dim. 100**

Barcode	↖	L	Weight	Material	Price
621927		100	90	30	E 1,86

766A2**Handle for files 760,761 for dim.100, 763,764,765,769 for dim.150**

Barcode	↖	L	Weight	Material	Price
621928		100	150	90	30 E 1,86

766A3**Handle for files 760,761,767,768 for dim. 150**

Barcode	↖	L	Weight	Material	Price
621929		150	90	29	E 1,86

766B**Handle for files 763, 764, 765, 769**

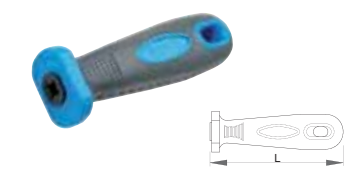
- ergonomic heavy duty double component handle



Barcode	↖	L	Weight	Material	Price
612962		200	115	78	E 1,86

766C**Handle for files 760, 761, 767, 768**

- ergonomic heavy duty double component handle



Barcode	↖	L	Weight	Material	Price
612963		200	115	77	E 1,86

766D

Handle for files 763, 764, 765, 769

- ergonomic heavy duty double component handle



Barcode	Icon	L	Icon	E	Price
612964		250		300	115
				74	1,86

766E

Handle for files 760, 761, 767, 768

- ergonomic heavy duty double component handle

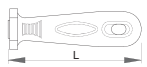


Barcode	Icon	L	Icon	E	Price
612965		250		115	74
				74	1,86

766F

Handle for files 760, 761, 767, 768

- ergonomic heavy duty double component handle



Barcode	Icon	L	Icon	E	Price
612966		300		115	68
				68	1,86

767 1/2S

Flat rasp, half smooth

- material: carbon tool steel



Barcode	Icon	a x b	Icon	Price
619772		150		5 x 16
				88
612967		200		5 x 20
				168
612968		250		7 x 26
				270
612969		300		8 x 30
				407
				9,13

767H1/2S

Flat rasp with handle, half smooth

- material: carbon tool steel



Barcode	Icon	L	a x b	Icon	Price
619773		150	240		5 x 16
					120
613038		200	325		5 x 20
					270
613039		250	375		7 x 26
					405
613040		300	425		8 x 30
					577
					11,58

768 1/2S

Half-round rasp, half smooth

- material: carbon tool steel



Barcode	Icon	a x b	Icon	Price
619774		150		5 x 16
				82
612970		200		7 x 21
				137
612971		250		8 x 24
				285
612972		300		9 x 28
				317
				9,32

768H1/2S

Half-round rasp with handle, half smooth

- material: carbon tool steel



Barcode	Icon	L	a x b	Icon	Price
619775		150	240		5 x 16
					110
613041		200	325		7 x 21
					240
613042		250	375		8 x 24
					355
613043		300	425		9 x 28
					522
					11,78

769 1/2S

Round rasp, half smooth

- material: carbon tool steel

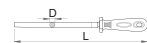


Barcode	Icon	D	Icon	Price
619776		150		6
				47
612973		200		8
				95
612974		250		10
				176
612975		300		12
				308
				7,90

769H1/2S

Round rasp with handle, half smooth

- material: carbon tool steel



Barcode	Icon	L	D	Icon	Price
619777		150	240		6
					73
613044		200	325		8
					167
613045		250	375		10
					225
613046		300	425		12
					327
					10,00

777/6A

Flat scraper

- material: carbon tool steel
- blade ground, shank blue lacquered
- wooden handle



Barcode	Icon	a x b	L	Icon	Price
612227		150	5 x 20		255
					172
612228		200	5 x 20		325
					233
612229		250	6 x 20		370
					283
					15,11

777/6C

Triangular spoon scraper

- material: carbon tool steel
- blade ground, shank blue lacquered
- wooden handle



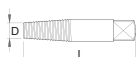
Barcode	Icon	A	L	Icon	Price
612233		150	8		255
					113
612234		200	8		325
					213
612235		250	8		370
					370
					14,83



778/4

Screw extractor

- for unscrewing damaged screws and threaded bolts without damaging threads
- material: chrome vanadium
- entirely hardened and tempered
- blackened



	Nº	D		L		mm			
616812	1	1.75	3.6	50	M3 - M6	2.5	9	E	2,41
616813	2	2.2	5.0	57	M6 - M8	3.0	13	E	2,41
616814	3	3.3	6.5	64	M8 - M11	4.5	19	E	2,73
616815	4	4.75	8.8	71	M11 - M14	6.0	33	E	3,31
616816	5	6.35	11.0	78	M14 - M18	8.0	53	E	4,13
616817	6	9.50	15.0	85	M18 - M24	11	102	E	5,85
616818	7	12.70	19.0	92	M24 - M33	13.5	171	E	10,35
616819	8	17.50	24.0	100	M33 - M45	18.5	298	E	17,11

778/4A

Double-edged screw extractor

- for unscrewing damaged screws and threaded bolts without damaging threads
- applicable for both right and left-hand threads
- extractor is 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
- entirely hardened and tempered
- blackened
- cutting edges polished



	Nº			mm			
616823	1	6.35 (1/4")	M5 - M6	3.2 - 4.8	12	E	8,26
616824	2	9.5 (3/8)	M8 - M10	4.8 - 7.1	21	E	8,26
616825	3	12.7 (1/2")	M10 - M12	6.4 - 9.5	35	E	9,90
616826	4	15.9 (5/8")	M12 - M16	8.7 - 12.7	65	E	10,61
616827	5	19.0 (3/6")	M16 - M20	11.1 - 15.9	107	E	14,54
616828	6	22.0 (7/8")	M20 - M24	14.0 - 19.1	167	E	15,71
616829	7	25.4 (1")	M24 - M33	19.1 - 23.8	276	E	18,76



778/4PB

Screw extractors set



	Nº				
616820	778/4PB	1 - 5 / 5	120	E	17,26
	778/4 (1, 2, 3, 4, 5)				
616821	778/4PB	1 - 6 / 6	225	E	23,54
	778/4 (1, 2, 3, 4, 5, 6)				
616822	778/4PB	1 - 8 / 8	720	E	56,73
	778/4 (1, 2, 3, 4, 5, 6, 7, 8)				

778/4APB

Double-edged screw extractors set



	Nº				
616830	778/4APB	1 - 5 / 5	245	E	54,30
	778/4A (1, 2, 3, 4, 5)				

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



	D	T	H			
610484	115	3	22	72	F	1,42
610485	125	3	22	87	F	1,59
610486	180	3	22	160	F	2,11
610487	230	3	22	282	F	2,96

1200/1INOX

Flat cutting-off wheels for INOX



	D	T	H			
619421	115	3	22	65	F	1,83
619393	125	3	22	75	F	1,95
619422	180	3	22	165	F	2,81

1200/1ALU

Flat cutting-off wheels for aluminium

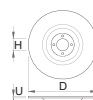


	D	T	H			
619423	115	3	22	79	F	1,95
619424	125	3	22	80	F	2,07
619425	180	3	22	171	F	2,98

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



	D	U	H			
610488	115	3	22	68	F	1,42
610489	125	3	22	88	F	1,59
610490	180	3	22	155	F	2,11
610491	230	3	22	257	F	2,96

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



	D	U	H			
610492	115	4	22	90	F	1,71
610493	115	6	22	147	F	2,04
610494	125	6	22	162	F	2,30
610495	125	8	22	235	F	2,66
610496	180	6	22	334	F	3,44
610497	180	8	22	476	F	3,94
610499	230	6	22	554	F	5,24
610500	230	8	22	743	F	6,06

1202/2INOX

Depressed centre grinding wheels for inox



	D	U	H			
619395	125	4	22	110	F	2,83
619396	125	6	22	165	F	3,30
619394	180	6	22	365	F	4,23

1202/2GC

Depressed centre grinding wheels for gray casting



	D	U	H			
619426	180	6	22	320	F	4,36

1207/2

Depressed center grinding wheels, for stone

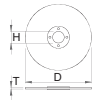
- Reinforced depressed centre grinding wheels for offhand grinding on angle grinders for operating speed 80 m/s, furnished with two metal hole insert.
- Suitable for grinding in inaccessible places
- The optimum operating angle between the material and the depressed centre grinding wheel is 20° to 35°.
- Cut-off wheel meet OSA requirements to European standard EN 12413
- characteristic of material: C30P48F



	D	U	H			
610513	180	6	22	324	F	3,34

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: A46SBF



	D	T	H			
610518	115	1	22	24	F	1,88
610519	115	1.6	22	39	F	1,83
610520	125	1	22	31	F	1,99
610521	125	1.6	22	50	F	1,88
610522	180	1.6	22	91	F	3,09
610523	230	1.6	22	150	F	4,00

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



	D	Z			
610539	115	40	75	F	4,88
610540	115	60	70	F	4,88
610541	115	80	65	F	4,88
610543	115	120	60	F	4,88
610544	125	40	90	F	5,69
610545	125	60	80	F	5,69
610546	125	80	70	F	5,69

300/6B**Carpenter's lever**

- material: special tool steel
- lacquered



	L	L1				
608815	500	120	18	1180	C	12,80
608816	600	120	18	1385	C	13,64
608817	800	120	18	2190	C	16,29
608821	1000	120	20	2715	C	22,34

300/6E**Crow bar**

- material: special tool steel
- lacquered
- drop forged, entirely hardened and tempered



		L			
617782	4	700	3995	C	43,59
617783	5	800	4995	C	48,43
617784	6	900	5995	C	57,43
617785	8	1100	7995	C	90,01
617786	10	1200	9995	C	97,72
617787	12	1300	11995	C	106,30

300/5**Tyre lever**

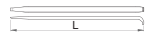
- material: chrome vanadium
- forged
- hardened and tempered
- surface finish: zinc plated
- drop forged, entirely hardened and tempered



	L			
617661	200	111	C	7,16
601755	300	253	C	9,96
601756	400	452	C	12,06
601757	500	648	C	14,25

300/5A**Tyre lever**

- material: chrome vanadium
- surface finish: zinc plated
- drop forged, entirely hardened and tempered



	L			
601758	537	992	C	23,13

300/5C**Tyre lever with handle**

- material: special tool steel
- surface finish: chrome plated according to EN12540
- ergonomic heavy duty double component handle



	L	a x b			
613103	320	1.1 x 13	252	C	7,02
613104	410	1.5 x 15	499	C	8,42
613105	610	1.5 x 21	837	C	12,34

300CCB**Set of tyre levers with handle**

	Nº				
613106	300CCB	3	878	F	27,79
300/5C (320, 410, 610)					

556A**Utility knife**

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



	L	B			
616853	160	18	99	A	2,97

16 Utility knife, gauges, riveter

556B

Utility knife

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



Barcode	L	B	Weight	Material	Price
612136	160	18	167	A	6,56

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 by pushing cutting block forward
- new blade can be inserted with by pushing cutting block backwards



Barcode	L	B	Weight	Material	Price
612137	140	18	75	S	3,31

556C

Utility knife

- double component handle
- blade from high alloy steel
- auto-retracting blade
- spare blade article 1945.1



Barcode	Weight	Material	Price
622012	65	A	3,22

701

Feeler gauges

- certificate of conformity
- stainless steels



Barcode	Range	Number of blades	Weight	Material	Price
601896	0.05 - 0.5	8	37	E	4,74
601897	0.05 - 1	13	66	E	6,92
601898	0.05 - 1	20	99	E	10,77

701A

Screw pitch gauge

- certificate of conformity
- stainless steels
- metric-thread: 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.60, 0.70, 0.75, 0.80, 0.90, 1.0, 1.25, 1.50, 1.75, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0 (24 gauges)
- whitworth - thread: 4, 4.5, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 18, 19, 20, 22, 24, 25, 26, 28, 30, 32, 36, 40, 48, 60, 62 (28 gauges)
- This screw pitch gauge is used for finding out the outside and inside measurements of metric and whitworth threads.

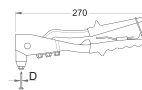


Barcode	Number of gauges	Weight	Material	Price
616706	52	76	E	7,48

1300/6

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 up to 4,8 mm or 3/16"
- with wrench for the change of nose-pieces



Barcode	D1	D2	D3	D4	Weight	Material	Price
615454	2.4 (3/32")	3.2 (1/8")	4.0 (5/32")	4.8 (3/16")	567	E	24,52

1301/6

Hand Riveter Set

- light and durable construction
- 4 nose pieces for installing rivets, 3.2 mm – 6.4 mm (1/8" – 1/4")
- 5 nosepieces for installing blind-rivet nuts, from M4 to M10 (R5/32" – R3/8")
- the tool comes with the SOS tool tray which can be used with Unior tool carriages
- lacquered handles with heavy duty handles








Barcode	Weight	Material	Price
619880	3500	E	100,91

1301.1/4

Nosepiece for blind-rivet nuts for 1301/6



				
621437	M4	47	E	4,35
621438	M5	49	E	4,35
621439	M6	49	E	4,35
621440	M8	71	E	5,49
621441	M10	78	E	5,49

1310

Mason's axe

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



Barcode	Item	Material	Weight	Unit	Price
617740	800	380	945	C	33,67

1311

Camp axe

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



Barcode	Item	Material	Weight	Unit	Price
617752	500	340	655	C	27,04

1312

Home axe

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



Barcode	Item	Material	Weight	Unit	Price
617749	600	360	835	C	28,51
617750	800	380	1005	C	30,14
617751	1000	400	1245	C	33,15

1342

Flat tweezers

- material: stainless steel



Barcode	Item	Material	Weight	Unit	Price
619280	160	2	25	A	4,41

1343

Bent flat tweezers

- material: stainless steel



Barcode	Item	Material	Weight	Unit	Price
619281	155	2	26	A	4,41

1344

Flat tweezers

- material: stainless steel



Barcode	Item	Material	Weight	Unit	Price
619282	140	1.5	18	A	3,40

1345

Pointed tweezers

- material: stainless steel



Barcode	Item	Material	Weight	Unit	Price
619283	113	1.5	11	A	2,80

1346

Bent pointed tweezers

- material: stainless steel



Barcode	Item	Material	Weight	Unit	Price
619284	165	2	28	A	4,41

1347

Cross pointed tweezers

- material: stainless steel



Barcode	Item	Material	Weight	Unit	Price
619285	115	1.2	15	A	2,40

1348

Spade pointed tweezers

- material: stainless steel



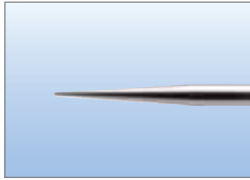
Barcode	Item	Material	Weight	Unit	Price
619286	120	1	12	A	2,65



16 Awl, oil can, grease gun

639A

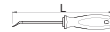
Awl with round straight blade



	L			
617773	165	31	B	3,05

639D

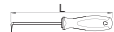
Awl with round, double bent small blade



	L			
617776	165	31	B	3,68

639B

Awl with round, 90° bent blade



	L			
617774	165	31	B	3,47

639PB

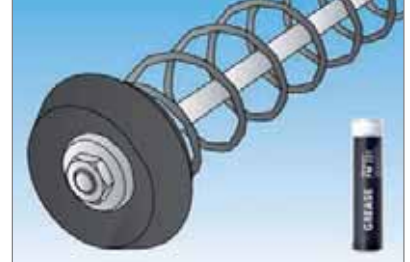
Awl set



	Nº				
617777	639PB	4	140	F	13,67
639A (165), 639B (165), 639C (165), 639D (165)					

1376/6

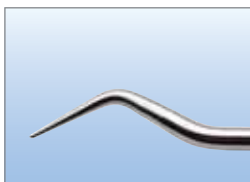
Grease gun



	V			
619936	0.5 l	2500	F	31,69

639C

Awl with round, double bent blade



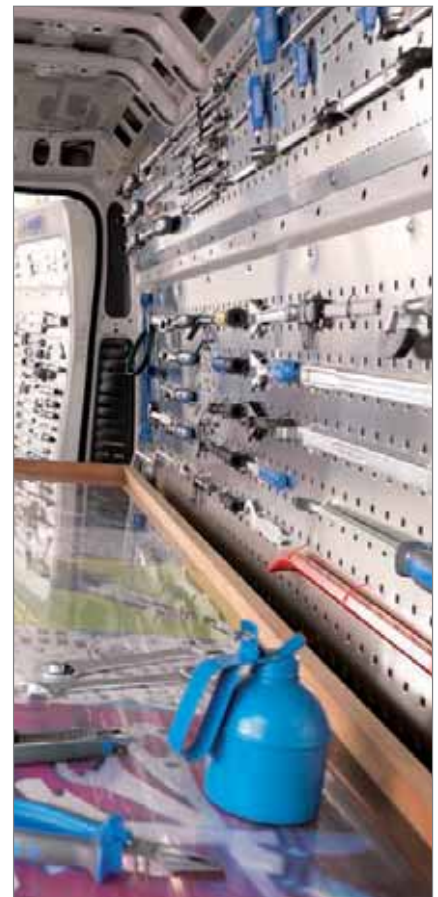
	L			
617775	165	31	B	3,47

1375/6

Oil can with flexible spout



	V			
619935	0.5 l	1000	F	9,13



AS49

Universal sprayer

- loosens rust
- displaces moisture
- eliminates squeaks
- cleans metal surfaces
- protects and preserves tools
- AS49 is an allround problem solver for use in industry and workshops. By its special formula and its excellent creeping properties the product combines effectiveness in corrosion protection, cleaning, water displacing, lubrication and conservation
- AS49 withstands all weathering influences and is therefore suitable for almost universal applications in workshops, the automotive industry, the marine and electrical industry, agriculture, household and hobbies.

Applications:

- loosens seized threads, screws, bolts, fittings and valves, penetrates and loosens rust, displaces moisture from electrical leads, prevents leak currents, and facilitates starting of damp engines
- eliminates squeaky and creaky noises on hinges, guides, bearings and all kinds of joints and couplings

- cleans contaminated metal surfaces and leaves a long lasting very thin film which does not smear, is not sticky and repels dust
- protects and preserves tools, machines, electrical appliances and mechanical precision equipment, (measuring, tools, locks, weapons) and keeps them operational

Characteristics:

- The high-performance product AS49 for care and maintenance is the result of latest technological research and development. Silicone-free organic substances in a special blend make this product so efficient and multifunctional. It is characterized by an extremely low friction coefficient and excellent creeping properties and is very efficient.
- AS49 is temperature resistant from -50 °C (-58 °F) to +210 °C (+410 °F).

Directions:

- Shake can before use. Spray on evenly and at about 5 cm distance from surface and allow
- to react for 30 seconds.





Barcode	Nº	V	D	H	Weight	Material	Price
622599	EN, SLO	200	55.4	168	205	G	6,59
622812	HU,CZ,SK	200	55.4	168	205	G	6,59
622813	RO,PL,DE	200	55.4	168	205	G	6,59
622814	SR,BG,MK	200	55.4	168	205	G	6,59

AS49ST1

Set of universal sprayers AS49 EN, SLO on stand








	Nº				
623016	AS49ST1	10	2150		65,91
AS49 (EN, SLO)					

AS49ST3

Set of universal sprayers AS49 RO, PL, DE on stand








	Nº				
623018	AS49ST3	10	2150	G	65,90
AS49 (RO PL DE)					

AS49ST2

Set of universal sprayers AS49 HU, CZ, SK on stand








	Nº				
623017	AS49ST2	10	2150	G	65,90
AS49 (HU,CZ,SK)					

AS49ST4

Set of universal sprayers AS49 SR, BG, MK on stand



	Nº				
623019	AS49ST4	10	2150	G	65,90
AS49 (SR,BG,MK)					

Set of tools



SOS tool trays – advantages:

The **SOS tool trays** are made from dual-layered foamed polyethylene, which is resistant to grease, petrol, oil, nitro diluents, adhesives and motor oil – all of which can easily be removed without leaving any visible residue (stains). Adhesives and motor oil need to be removed immediately by cleaning with petrol in order to avoid permanent staining.

The inserts remain un-deformed up to a temperature of 80 °C.

System

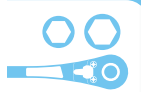
Material: Low density polyethylene foam.

Operating temperature range: -70°C till +95°C

These tool trays of polyethylene foam are used for clearer and better organised tool storage in tool boxes, tool cases, the drawers of tool carriages and tool cabinets. This storage is known as the **SOS SYSTEM**. These tool trays can be used in a wide range of temperatures, do not absorb dampness and, with normal use, have a long lifespan. They protect the tools by holding them in their own specifically designed place, thus preventing them from moving uncontrollably around in the storage area. As the positions in the tray are precisely defined and designed for each specific tool, it is also easy to establish which tools are missing.

SOS System

- S- Safety
- O - Order
- S - Survey





Smart composition

The composition of the various sets is based on a continuous cooperation with local professional users of Unior tools. The ready sets take into account the requirements of individual fields of activity and represent quality, sensible and cost-attractive tool selection.



Simple selection

Sets of typical field-related tools simplify the selection and purchase of specific instruments you need and use in your work. Electricians, auto mechanics, vehicle painters, computer technicians and many other professionals trust the experience of Unior.



For beginners and professionals

The sets containing various types of wrenches, pliers, screwdrivers, files, hammers, punches, chisels and other tools make for an excellent pick for top-notch, expert craftsmen and the right choice for beginners.



SOS tool sets for Europlus,
Eurovision, Eurostyle tool carriages

388 - 398



SOS tool sets for Economic carriage

398 - 399



Tool sets

399 - 407



Tool sets in bags

408 - 409



964/1SOS

Set of open end wrenches in SOS tool tray



Barcode	Nº	Hand	Person	Tray	Weight
621049	964/1SOS	6 - 32 / 12	2300	F	69,46
110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), vi964/1SOS (188 x 364 x 30)					

vi964/1SOS

SOS tool tray for 964/1SOS

Barcode	B	L	H	Person	Tray	Weight
620881	188	364	30	63	V	6,28

964/1ASSOS

Set of open end wrenches in SOS tool tray



Barcode	Nº	Hand	Person	Tray	Weight
621179	964/1ASSOS	6 - 32 / 12	2290	F	68,58
110/2 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32), vi964/1ASSOS (188 x 364 x 30)					

vi964/1ASSOS

SOS tool tray for 964/1ASSOS

Barcode	B	L	H	Person	Tray	Weight
621233	188	364	30	57	V	6,28

964/2SOS

Set of combinations wrenches in SOS tool tray



Barcode	Nº	Hand	Person	Tray	Weight
621051	964/2SOS	8 - 24 / 12	1680	F	79,73
125/1 (8, 9, 10, 12, 13, 14, 17, 19, 20, 21, 22, 24), vi964/2SOS (188 x 364 x 30)					

vi964/2SOS

SOS tool tray for 964/2SOS

Barcode	B	L	H	Person	Tray	Weight
620883	188	364	30	49	V	6,28

964/1ASOS

Set of open end wrenches in SOS tool tray



Barcode	Nº	Hand	Person	Tray	Weight
621050	964/1ASOS	6 - 32 / 12	2290	F	71,30
110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32), vi964/1ASOS (188 x 364 x 30)					

vi964/1ASOS

SOS tool tray for 964/1ASOS

Barcode	B	L	H	Person	Tray	Weight
620882	188	364	30	64	V	6,28

964/1SSOS

Set of open end wrenches in SOS tool tray



Barcode	Nº	Hand	Person	Tray	Weight
621178	964/1SSOS	6 - 32 / 12	2310	F	66,68
110/2 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), vi964/1SSOS (188 x 364 x 30)					

vi964/1SSOS

SOS tool tray for 964/1SSOS

Barcode	B	L	H	Person	Tray	Weight
621232	188	364	30	25	V	6,28

964/2ASOS

Set of combinations wrenches, long in SOS tool tray



Barcode	Nº	Hand	Person	Tray	Weight
621052	964/2ASOS	8 - 24 / 12	1960	F	86,25
120/1 (8, 9, 10, 12, 13, 14, 17, 19, 20, 21, 22, 24), vi964/2ASOS (188 x 364 x 30)					

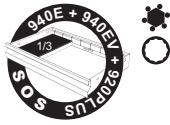
vi964/2ASOS

SOS tool tray for 964/2ASOS

Barcode	B	L	H	Person	Tray	Weight
620884	188	364	30	59	V	6,28

964/2ASSOS

Set of combinations wrenches, long in SOS tool tray



Nº	Hand	Weight	Volume	Price
621181 964/2ASSOS 8 - 24 / 12 2990	F	82,68		
120/2 (8, 9, 10, 12, 13, 14, 17, 19, 20, 21, 22, 24), vi964/2ASSOS (188 x 364 x 30)				

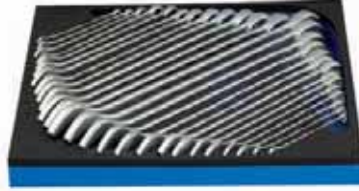
vi964/2ASSOS

SOS tool tray for 964/2ASSOS

B	L	H	Weight	Volume	Price
621235	188	364	30	58	6,28

964/2CSOS

Set of combinations wrenches, long in SOS tool tray



Nº	Hand	Weight	Volume	Price
621054 964/2CSOS 6 - 32 / 26 6760	F	238,40		
120/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32), vi964/2CSOS (374 x 364 x 40)				

vi964/2CSOS

SOS tool tray for 964/2CSOS

- empty tool tray for tool carriage Eurostyle art. 940E, Euromaster art. 940M, Hercules 940H and working bench

B	L	H	Weight	Volume	Price
621219	374	364	40	117	12,07

964/2DSOS

Set of combination and hexagon wrenches, long in SOS tool tray



Nº	Hand	Weight	Volume	Price
621563 964/2DSOS 27 3170	F	134,10		
120/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24), 220/3LPH (1,5-10/9), vi964/2DSOS (374 x 364 x 30)				

vi964/2DSOS

SOS tool tray for 964/2DSOS

B	L	H	Weight	Volume	Price
621507	374	364	30	150	6,28

964/2BSOS

Set of combinations wrenches, IBEX in SOS tool tray



Nº	Hand	Weight	Volume	Price
621053 964/2BSOS 8 - 24 / 12 1650	F	88,37		
129/1 (8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 22, 24), vi964/2BSOS (188 x 364 x 30)				

vi964/2BSOS

SOS tool tray for 964/2BSOS

B	L	H	Weight	Volume	Price
620885	188	364	30	49	6,28

964/2CSSOS

Set of combinations wrenches, long in SOS tool tray



Nº	Hand	Weight	Volume	Price
621184 964/2CSSOS 6 - 32 / 26 6875	F	228,47		
120/2 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32), vi964/2CSSOS (374 x 364 x 40)				

vi964/2CSSOS

SOS tool tray for 964/2CSSOS

B	L	H	Weight	Volume	Price
621236	374	364	40	50	12,07

964/2SSOS

Set of combinations wrenches in SOS tool tray



Nº	Hand	Weight	Volume	Price
621180 964/2SSOS 8 - 24 / 12 1700	F	76,44		
125/2 (8, 9, 10, 12, 13, 14, 17, 19, 20, 21, 22, 24), vi964/2SSOS (188 x 364 x 30)				

vi964/2SSOS

SOS tool tray for 964/2SSOS

B	L	H	Weight	Volume	Price
621234	188	364	30	56	6,28

964/3SOS

Set of offset ring wrenches in SOS tool tray



Barcode	Nº	Hand	Person	Tray	Price
621055	964/3SOS	6 - 22 / 8	1350	F	54,84
180/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22), vi964/3SOS (188 x 364 x 30)					

vi964/3SOS

SOS tool tray for 964/3SOS

Barcode	B	L	H	Person	Tray	Price
620886	188	364	30	45	V	6,28

964/4SOS

Set of offset ring wrenches in SOS tool tray



Barcode	Nº	Hand	Person	Tray	Price
621056	964/4SOS	21 - 32 / 4	2220	F	54,12
180/1 (21 x 23, 24 x 26, 25 x 28, 27 x 32), vi964/4SOS (188 x 364 x 30)					

vi964/4SOS

SOS tool tray for 964/4SOS

Barcode	B	L	H	Person	Tray	Price
620887	188	364	30	25	V	6,28

964/5SOS

Set of 1/4" socket wrenches with accessories in SOS tool tray



Barcode	Nº	Hand	Person	Tray	Price
621057	964/5SOS	45	1200	F	145,55
187/2HX (3, 4, 5, 6, 7), 187/2PH (PH 1, PH 2, PH 3), 187/2SL (0.8 x 4, 1 x 5.5, 1.2 x 7), 187/2TX (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), 188/2 6p (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13), 188.1/1ABI (1/4"), 188.2/2BI (1/4"), 188.3/2 (1/4"), 188.4/2 (1/4" x 150, 1/4" x 55), 188.6/2 (1/4"), 188.7/2 (1/4" - 3/8"), 188.8 (1/4"), 189/2 (E 4, E 5, E 6, E 7, E 8, E 10, E 11), vi964/5SOS (188 x 364 x 30)					

vi964/5SOS

SOS tool tray for 964/5SOS

Barcode	B	L	H	Person	Tray	Price
620888	188	364	30	25	V	6,28

964/5S12SOS

Set of 1/4" socket wrenches with accessories in tool tray



Barcode	Nº	Hand	Person	Tray	Price
621185	964/5S12SOS	45	1170	F	145,55
188/2 12p (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13), 188.1/1ABI (1/4"), 188.2/2BI (1/4"), 188.4/2 (1/4" x 55, 1/4" x 150), 188.3/2 (1/4"), 188.6/2 (1/4"), 188.7/2 (1/4" - 3/8"), 187/2PH (PH 1, PH 2, PH 3), 187/2SL (0.8 x 4, 1 x 5.5, 1.2 x 7), 187/2HX (3, 4, 5, 6, 7), 187/2TX (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), 189/2 (E 4, E 5, E 6, E 7, E 8, E 10, E 11), vi964/5S12SOS (188 x 364 x 30)					

vi964/5S12SOS

SOS tool tray for 964/5S12SOS

Barcode	B	L	H	Person	Tray	Price
621237	188	364	30	25	V	6,28

964/6SOS

Set of BI pliers in SOS tool tray



Barcode	Nº	Hand	Person	Tray	Price
621058	964/6SOS	3	850	F	50,38
406/1BI (180), 461/1BI (160), 508/1BI (170), vi964/6SOS (188 x 364 x 30)					

vi964/6SOS

SOS tool tray for 964/6SOS

Barcode	B	L	H	Person	Tray	Price
620889	188	364	30	25	V	6,28

964/6ESOS

Set of electronic pliers in SOS tool tray



Barcode	Nº	Hand	Person	Tray	Price
622988	964/6ESOS	5	700	F	96,15
406/4E (120), 455/4E (110), 461/4E (115), 506/4E (140), 512/4E (140), vi964/6ESOS (188 x 364 x 30)					

vi964/6ESOS

SOS tool tray for 964/6E



Barcode	B	L	H	Person	Tray	Price
622974	188	364	30	56	V	6,28

964/7SOSSet of BI and grip
pliers in SOS tool tray

Barcode	Nº	Hand	Weight	Volume	Price
621059	964/7SOS	2	1200	F	44,43
430/3 (250), 445/1BI (240), vi964/7SOS (188 x 364 x 30)					

vi964/7SOS

SOS tool tray for 964/7SOS

Barcode	B	L	H	Weight	Volume	Price
620890	188	364	30	42	V	6,28

964/8SOSSet of lock ring
pliers in SOS
tool tray

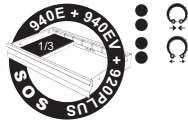
Barcode	Nº	Hand	Weight	Volume	Price
621060	964/8SOS	19-60-180/4	975	F	62,23
532PLUS/4DP (180 x 19 - 60), 534PLUS/4DP (180 x 19 - 60), 536PLUS/4DP (180 x 19 - 60), 538PLUS/4DP (180 x 19 - 60), vi964/8SOS (188 x 364 x 30)					

vi964/8SOS

SOS tool tray for 964/8SOS

- empty tool tray for tool carriage Eurostyle art. 940E, Euromaster art. 940M, Hercules 940H and work bench
- material polystyrene

Barcode	B	L	H	Weight	Volume	Price
620891	188	364	30	63	V	6,28

964/8ASOSSet of lock ring
pliers in SOS
tool tray

Barcode	Nº	Hand	Weight	Volume	Price
621061	964/8ASOS	19-60-180/4	985	F	64,47
532PLUS/1DP (180 x 19 - 60), 534PLUS/1DP (180 x 19 - 60), 536PLUS/1DP (180 x 19 - 60), 538PLUS/1DP (180 x 19 - 60), vi964/8ASOS (188 x 364 x 30)					

vi964/8ASOS

SOS tool tray for 964/8ASOS

Barcode	B	L	H	Weight	Volume	Price
621220	188	364	30	55	V	6,28

964/9SOSSet of TBI
screwdrivers in
SOS tool tray

Barcode	Nº	Hand	Weight	Volume	Price
621062	964/9SOS	8	710	F	41,19
605TBI (0.5 x 3.0 x 80, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150), 615TBI (PH 0 x 60, PH 1 x 80, PH 2 x 100), 625TBI (PZ 2 x 100), vi964/9SOS (188 x 364 x 30)					

vi964/9SOS

SOS tool tray for 964/9SOS

Barcode	B	L	H	Weight	Volume	Price
620892	188	364	30	25	V	6,28

964/9BSOSSet of socket
wrenches with TBI
handle in SOS tool
tray

Barcode	Nº	Hand	Weight	Volume	Price
621063	964/9BSOS	6	1075	F	66,12
629TBI (5.5, 6, 8, 10, 12, 13), vi964/9BSOS (188 x 364 x 30)					

vi964/9BSOS

SOS tool tray for 964/9BSOS

- empty tool tray for tool carriage Eurostyle art. 940E, Euromaster art. 940M, Hercules 940H and work bench
- material polystyrene

Barcode	B	L	H	Weight	Volume	Price
621221	188	364	30	49	V	6,28

964/9CSOSSet of screwdrivers
TBI with TX profile
and hole in SOS tool
tray

Barcode	Nº	Hand	Weight	Volume	Price
621560	964/9CSOS	8	780	F	48,31
621TBI (TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40, TX 45), vi964/9CSOS (188 x 364 x 30)					

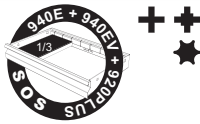
vi964/9CSOS

SOS tool tray for 964/9CSOS

Barcode	B	L	H	Weight	Volume	Price
621504	188	364	30	41	V	6,28

964/9DSOS

Set of
screwdrivers TBI
in SOS tool tray



Barcode	Nº	Hand	Weight	Material	Price
621561	964/9DSOS	8	670	F	38,44
621TBI (TX 6, TX 7, TX 8, TX 9), 615TBI (PH 1 x 80, PH 2 x 100), 625TBI (PZ 1 x 80, PZ 2 x 100), vi964/9DSOS (188 x 364 x 30)					

vi964/9DSOS

SOS tool tray for 964/9DSOS

Barcode	B	L	H	Weight	Material	Price
621505	188	364	30	49	V	6,28

964/9ESOS

Set of TX profile
screwdrivers with T
handle in SOS tool
tray



Barcode	Nº	Hand	Weight	Material	Price
621562	964/9ESOS	7	720	F	50,89
193TX (TX 30, TX 40, TX 45), 621TBI (TX 6, TX 7, TX 8, TX 9), vi964/9ESOS (188 x 364 x 30)					

vi964/9ESOS

SOS tool tray for 964/9ESOS

Barcode	B	L	H	Weight	Material	Price
621506	188	364	30	57	V	6,28

964/10SOS

Set of hammers and
punches in SOS tool
tray



Barcode	Nº	Hand	Weight	Material	Price
621064	964/10SOS	5	1240	F	40,28
640/6 (5), 642/6 (5), 660/6 (150), 812 (300), 820 (32), vi964/10SOS (188 x 364 x 30)					

vi964/10SOS

SOS tool tray for 964/10SOS

Barcode	B	L	H	Weight	Material	Price
620893	188	364	30	57	V	6,28

964/11SOS

Set of crimp-grip pliers
with terminals in SOS
tool trays



Barcode	Nº	Hand	Weight	Material	Price
621065	964/11SOS	281	1000	F	65,83
426/3A (0.5 - 6 x 220), 423.1R (3, 5), 423.1B (4, 6), 423.1J (5, 8), 423.2R (4), 423.2B (4), 423.3R (1.9), 423.3B (1.9), 423.3J (2.8), 423.5B (5), 423.7R (6.3 x 0.8), 423.7B (6.3 x 0.8), vi964/11SOS (188 x 364 x 30)					

vi964/11SOS

SOS tool tray for 964/11SOS

- empty tool tray for tool carriage Eurostyle art. 940E, Euromaster art. 940M, Hercules 940H and work bench
- material polystyrene

Barcode	B	L	H	Weight	Material	Price
620899	188	364	30	37	V	6,28

964/12SOS

Set of crimping pliers
with terminals in SOS
tool trays



Barcode	Nº	Hand	Weight	Material	Price
621066	964/12SOS	282	820	F	58,13
425/4A (1.5 - 6 x 240), 423.1R (3, 5), 423.1B (4, 6), 423.1J (5, 8), 423.2R (4), 423.2B (4), 423.3R (1.9), 423.3B (1.9), 423.3J (2.8), 423.5B (5), 423.7R (6.3 x 0.8), 423.7B (6.3 x 0.8), vi964/12SOS (188 x 364 x 30)					

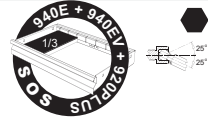
vi964/12SOS

SOS tool tray for 964/12SOS

Barcode	B	L	H	Weight	Material	Price
620900	188	364	30	36	V	6,28

964/13SOS

Set of ball-end
hexagonal
screwdrivers
with T handle in
SOS tool tray



Barcode	Nº	Hand	Weight	Material	Price
621067	964/13SOS	3 - 10 / 6	755	F	42,48
193HXS (3, 4, 5, 6, 8, 10), vi964/13SOS (188 x 364 x 30)					

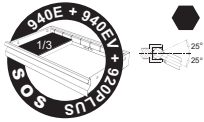
vi964/13SOS

SOS Tool tray for 964/13SOS

Barcode	B	L	H	Weight	Material	Price
620894	188	364	30	25	V	6,28

964/13ASOS

Set of hexagonal screwdrivers with T handle in SOS tool tray



Barcode	Nº	Hand	Person	Tray	Weight
621068	964/13ASOS	3 - 10 / 6	775	F	40,97
193HX (3, 4, 5, 6, 8, 10), v1964/13ASOS (188 x 364 x 30)					

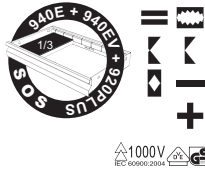
v1964/13ASOS**SOS tool tray for 964/13ASOS**

- empty tool tray for tool carriage Eurostyle art. 940E, Euromaster art. 940M, Hercules 940H and work bench

Barcode	B	L	H	Person	Tray	Weight
621222	188	364	30	49	V	6,28

964/15SOS

Set of VDE BI tools in SOS tool tray



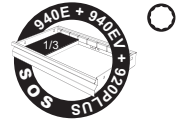
Barcode	Nº	Hand	Person	Tray	Weight
621070	964/15SOS	9	1140	F	86,25
406/1VDEBI (180), 461/1VDEBI (160), 478/1VDEBI (160), 603VDEBTI (0.4 x 2.5 x 75, 0.6 x 3.5 x 100, 1.0 x 5.5 x 125), 613VDEBTI (PH1 x 80, PH2 x 100), 630VDE (0.5 x 3.0 x 140), v1964/15SOS (188 x 364 x 30)					

v1964/15SOS**SOS tool tray for 964/15SOS**

Barcode	B	L	H	Person	Tray	Weight
620895	188	364	30	41	V	6,28

964/17SOS

Set of swivel end socket wrenches in SOS tool tray



Barcode	Nº	Hand	Person	Tray	Weight
621072	964/17SOS	8 - 22 / 6	1545	F	85,23
202/1 (8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 19 x 22), v1964/17SOS (188 x 364 x 30)					

v1964/17SOS**SOS tool tray for 964/17SOS**

- empty tool tray for tool carriage Eurostyle art. 940E, Euromaster art. 940M, Hercules 940H and work bench

Barcode	B	L	H	Person	Tray	Weight
621225	188	364	30	48	V	6,28

964/14SOS

Set of screwdriver with TX profile and T handle in SOS tool tray



Barcode	Nº	Hand	Person	Tray	Weight
621069	964/14SOS	TX 15 - TX 40 / 6	530	F	56,03
193TX (TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), v1964/14SOS (188 x 364 x 30)					

v1964/14SOS**SOS tool tray for 964/14SOS**

Barcode	B	L	H	Person	Tray	Weight
621223	188	364	30	52	V	6,28

964/16SOS

Set of screwdriver socket wrenches TX profile in SOS tool tray



Barcode	Nº	Hand	Person	Tray	Weight
621071	964/16SOS	18	1540	F	114,74
192/2TX (TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55, TX 60), 191/1 (E 10, E 11, E 12, E 14, E 16, E 18, E 20, E 22, E 24), v1964/16SOS (188 x 364 x 30)					

v1964/16SOS**SOS tool tray for 964/16SOS**

- empty tool tray for tool carriage Eurostyle art. 940E, Euromaster art. 940M, Hercules 940H and work bench

Barcode	B	L	H	Person	Tray	Weight
621224	188	364	30	43	V	6,28

964/18ASOS

Set of offset socket wrenches in SOS tool tray



Barcode	Nº	Hand	Person	Tray	Weight
621073	964/18ASOS	8 - 19 / 10	2615	F	155,63
176 (8, 10, 11, 12, 13, 14, 16, 17, 18, 19), v1964/18ASOS (188 x 364 x 30)					

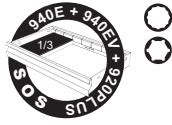
v1964/18ASOS**SOS tool tray for 964/18ASOS**

- empty tool tray for tool carriage Eurostyle art. 940E, Euromaster art. 940M, Hercules 940H and work bench
- material: low density polyethylene foam

Barcode	B	L	H	Person	Tray	Weight
621226	188	364	30	56	V	6,28

964/18BSOS

Set of offset
socket wrenches
in SOS tool tray



№	Hand	Person	Tray	Price
621074 964/18BSOS	8 - 19 / 10	2615	F	155,63
177 (8, 10, 11, 12, 13, 14, 16, 17, 18, 19), v1964/18BSOS (188 x 364 x 30)				

v1964/18BSOS

SOS tool tray for 964/18BSOS

B	L	H	Person	Tray	Price
621227	188	364	30	54	V 6,28

964/19SOS

Set of sockets
1/2" in SOS tool
tray



№	Hand	Person	Tray	Price
621075 964/19SOS	29	4770	F	210,49
190.1/1 6p (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), 190.1/1ABI (1/2"), 190.2/1BI (1/2"), 190.3/1 (1/2"), 190.4/1 (1/2" x 250, 1/2" x 125), 190.6/2 (1/2"), 192/2HX (5, 6, 8, 10, 12), v1964/19SOS (374 x 364 x 30)				

v1964/19SOS

SOS tool tray for 964/19SOS

B	L	H	Person	Tray	Price
620896	374	364	30	9,4	V 12,07

964/19S12SOS

Set of sockets
1/2" in SOS tool
tray



№	Hand	Person	Tray	Price
621186 964/19S12SOS	29	4770	F	210,49
190.1/1 12p (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), 192/2HX (5, 6, 8, 10, 12), 190.1/1ABI (1/2"), 190.2/1BI (1/2"), 190.3/1 (1/2"), 190.4/1 (1/2" x 125, 1/2" x 250), 190.6/2 (1/2"), v1964/19S12SOS (374 x 364 x 30)				

v1964/19S12SOS

SOS tool tray for 964/19S12SOS

B	L	H	Person	Tray	Price
621238	374	364	30	104	V 12,07

964/22SOS

Tool set in SOS
tool tray



№	Hand	Person	Tray	Price
621077 964/22SOS	60	7100	F	343,15
190.1/1 6p (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), 190.1/1ABI (1/2"), 190.2/1BI (1/2"), 190.3/1 (1/2"), 190.4/1 (1/2" x 250, 1/2" x 125), 190.6/2 (1/2"), 192/2HX (5, 6, 7, 8, 9, 10, 12, 14, 17), 192/2TX (TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55, TX 60), 641/6 (2, 3, 4, 5, 6, 8), 642/6 (4), 660/6 (150), 670/6 (150), 220/3PH, v1964/22SOS (564 x 364 x 30)				

v1964/22SOS

SOS tool tray for 964/22SOS

B	L	H	Person	Tray	Price
620897	564	364	30	134	V 19,31

964/23SOS

Set of impact
sockets 1/2" in
SOS tool tray



№	Hand	Person	Tray	Price
621078 964/23SOS	10 - 24 / 17	2800	F	108,34
231/4 6p (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24), 231.4/4 (1/2" x 75), 231.8/4 (10 - 14, 15 - 32), v1964/23SOS (188 x 364 x 30)				

v1964/23SOS

SOS tool tray for 964/23SOS

- empty tool tray for tool carriage Eurostyle art. 940E, Euromaster art. 940M, Hercules 940H and work bench

B	L	H	Person	Tray	Price
621229	188	364	30	48	V 6,28

964/24SOS

Set of universal knife,
saw and measuring
tape in SOS tool tray



№	Hand	Person	Tray	Price
621079 964/24SOS	3	800	F	28,73
710P (5), 556B (160), 753P (150), v1964/24SOS (188 x 364 x 30)				

v1964/24SOS

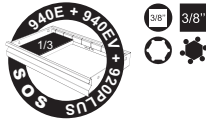
SOS tool tray for 964/24SOS

- empty tool tray for tool carriage Eurostyle art. 940E, Euromaster art. 940M, Hercules 940H and work bench

B	L	H	Person	Tray	Price
621230	188	364	30	39	V 6,28

964/25SOS

Set of sockets
3/8" in SOS
tool tray



Barcode	Nº	Hand	Person	Tray	Weight
621080	964/25SOS	6 - 22 / 23	1765	F	116,85

238/1 6p (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22), 238.1/1AB1 (3/8"), 238.3/1 (3/8"), 238.4/1 (3/8" x 250, 3/8" x 125), 238.6/1 (3/8"), 238.7/2 (3/8" - 1/2"), v1964/25SOS (188 x 364 x 30)

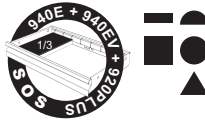
v1964/25SOS**SOS tool tray for 964/25SOS**

- empty tool tray for tool carriage Eurostyle art. 940E, Euromaster art. 940M, Hercules 940H and work bench

Barcode	B	L	H	Person	Tray	Weight
620898	188	364	30	25	V	6,28

964/26BSOS

Set of bastard
files in SOS
tool tray



Barcode	Nº	Hand	Person	Tray	Weight
621081	964/26BSOS	5	1095	F	36,24

760HB (200), 761HB (200), 763HB (200), 764HB (200), 765HB (200), v1964/26BSOS (188 x 364 x 30)

v1964/26BSOS**SOS tool tray for 964/26BSOS**

- empty tool tray for tool carriage Eurostyle art. 940E, Euromaster art. 940M, Hercules 940H and working bench

Barcode	B	L	H	Person	Tray	Weight
620901	188	364	30	50	V	6,28

964/26SSOS

Set of smooth
files in SOS
tool tray



Barcode	Nº	Hand	Person	Tray	Weight
621082	964/26 1/2SSOS	5	1200	F	39,46

760H1/2S (200), 761H1/2S (200), 763H1/2S (200), 764H1/2S (200), 765H1/2S (200), v1964/26 1/2SSOS (188 x 364 x 30)

v1964/26 1/2SSOS**SOS tool tray for 964/26 1/2SSOS**

Barcode	B	L	H	Person	Tray	Weight
620902	188	364	30	49	V	6,28

964/27SOS

Set of forged
combinations ratchet
wrenches in SOS
tool tray



Barcode	Nº	Hand	Person	Tray	Weight
621084	964/27SOS	8 - 19 / 10	1490	F	141,72

160/2 (8, 9, 10, 12, 13, 14, 16, 17, 18, 19), v1964/27SOS (188 x 364 x 30)

v1964/27SOS**SOS tool tray for 964/27SOS**

- empty tool tray for tool carriage Eurostyle art. 940E, Euromaster art. 940M, Hercules 940H and work bench
- material polystyrene

Barcode	B	L	H	Person	Tray	Weight
621231	188	364	30	42	V	6,28

964/28SOS

Set of wrenches in
SOS tool tray



Barcode	Nº	Hand	Person	Tray	Weight
621387	964/28SOS	60	8880	F	354,81






110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32), 120/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27), 180/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), 220/3SPH (1.5 - 10 / 9), 220/7TXPH (TR 9 - TR 40 / 8), v1964/28SOS (564 x 364 x 30)





v1964/28SOS**SOS tool tray for 964/28SOS**

Barcode	B	L	H	Person	Tray	Weight
621377	564	364	30	111	V	19,31





Set of wrenches in SOS tool tray



	Nº				
621388	964/2950S	32	9000	F	371,61






 **183/2** (8 x 10, 10 x 11, 11 x 13,
 12 x 14, 16 x 18, 17 x 19, 19 x 22, 22 x 24,
 24 x 27, 30 x 32),  **202/1** (8 x 9,
 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19), 
177 (8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19),
 **182/2B7X** (6 x 8, 10 x 12,
 14 x 18, 20 x 24), **v1964/2950S** (564 x 364 x 30)

SOS tool tray for 964/29SOS








	B	L	H			
621378	564	364	30	115	V	19.31











Set of socket wrenches with accessories in SOS tool tray














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621389 964/30S0S 96 7460 1 485,17





 **188/2 6p** (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13),  **189/2** (E 4, E 5, E 6, E 7, E 8, E 10, E 11),  **187/2HX** (3, 4, 5, 6, 7),  **187/2TX** (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40),  **187/2SL** (0.8 x 4, 1 x 5.5, 1.2 x 7),  **187/2PH** (PH 1, PH 2, PH 3), 

188.1/1AB1 (1/4"),  **188.2/2BI** (1/4"),  **188.3/2** (1/4"),  **188.4/2** (1/4" x 55, 1/4" x 150),  **188.6/2** (1/4"),  **188.7/2** (1/4" - 3/8"),  **188.8** (1/4"),  **238/1 6p** (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22),  **238.1/1FB1** (3/8"),  **238.2/1BI** (3/8"), 

238.3/1 (3/8"),  **238.4/2** (3/8" x 45, 3/8" x 75),  **238.4/1** (3/8" x 125, 3/8" x 250),  **238.6/1** (3/8"),  **238.7/2** (3/8" - 1/2"),  **190/1 6p** (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32),  **190.1/1AB1** (1/2"),  **190.2/1BI** (1/2"),  **190.3/1** (1/2"),  **190.4/1** (1/2" x 250, 1/2" x 125),  **190.6/2** (1/2"), 


















v1964/30S0S (564 x 364 x 30)

SOS tool tray for 964/30SOS





	B	L	H			
621379	564	364	30	138	V	19,31

**Set of hand tools in
SOS tool tray**



					
621390	964/31S05	79	8450	F	638,77
 192/2TX (TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55, TX 60),  192/2TXL (TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55, TX 60),  191/1 (E 10, E 11, E 12, E 14, E 16, E 18, E 20, E 22, E 24),  192/2ZX (M 5, M 6, M 8, M 10, M 12, M 14),  192/2ZXL (M 6, M 8, M 10, M 12, M 14),  192/2HX (5, 6, 7, 8, 9, 10, 12, 14),  192/2HXL (5, 6, 7, 8, 10, 12, 14),  190/1 12p (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32),  186/42 (21, 19, 16),  641/6 (2, 3, 4, 5, 6, 8),  263A (30 - 150), v1964/31S05 (564 x 364 x 30)					

SOS tool tray for 964/31SOS

	B	L	H			
621380	564	364	30	148	V	19.31



964/32SOS

Set of BI pliers and hammer in SOS tool tray



Barcode	Nº	Hand	Person	Tray	Weight
621391	964/32SOS	14	5250	F	239,47
406/1BI (180), 466/1BI (180), 508/1BI (200), 512/1BI (200), 442/1HYPO (240), 430/3 (250), 532PLUS/4DP (180 x 19 - 60), 534PLUS/4DP (180 x 19 - 60), 536PLUS/4DP (180 x 19 - 60), 538PLUS/4DP (180 x 19 - 60), 812 (400), 819A (45), 660/6 (200), 642/6 (5), vI964/32SOS (564 x 364 x 30)					

vI964/32SOS

SOS tool tray for 964/32SOS

Barcode	B	L	H	Person	Tray	Weight
621381	564	364	30	149	V	19,31

964/33SOS

Set of screwdrivers in SOS tool tray



Barcode	Nº	Hand	Person	Tray	Weight
621392	964/33SOS	30	3200	F	199,47
605TBI (0.5 x 3.0 x 80, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150, 1.6 x 8.0 x 175), 615TBI (PH 0 x 60, PH 1 x 80, PH 2 x 100, PH 3 x 150), 626TBI (PH 1 x 25, PH 2 x 25), 627TBI (1.0 x 5.5 x 25, 1.2 x 6.5 x 25), 621TBI (TX 6, TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), 629TBI (6, 7, 8, 9, 10, 11, 12, 13), vI964/33SOS (564 x 364 x 30)					

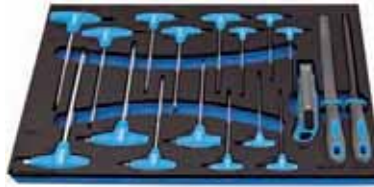
vI964/33SOS

SOS tool tray for 964/33SOS

Barcode	B	L	H	Person	Tray	Weight
621382	564	364	30	105	V	19,31

964/34SOS

Set of screwdrivers with T handle in SOS tool tray



Barcode	Nº	Hand	Person	Tray	Weight
621393	964/34SOS	18	2360	F	145,58
193HXS (2.5, 3, 4, 5, 6, 8, 10), 193TX (TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40, TX 45), 760H1/2S (200), 764H1/2S (200), 556B (160), vI964/34SOS (564 x 364 x 30)					

vI964/34SOS

SOS tool tray for 964/34SOS

Barcode	B	L	H	Person	Tray	Weight
621383	564	364	30	138	V	19,31

964/35SOS

Set of wrenches in SOS tool tray



Barcode	Nº	Hand	Person	Tray	Weight
621394	964/35SOS	63	7630	F	341,87
110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32), 120/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27), 180/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22), 183/2 (8 x 10, 10 x 11, 11 x 13, 12 x 14, 17 x 19, 19 x 22), 220/35PH (1.5 - 10 / 9), 220/7TXPH (TR 9 - TR 40 / 8), vI964/35SOS (564 x 364 x 30)					

vI964/35SOS

SOS tool tray for 964/35SOS

Barcode	B	L	H	Person	Tray	Weight
621384	564	364	30	110	V	19,31

964/36SOS

Set of socket wrenches with accessories in SOS tool tray



Barcode	Nº	Hand	Person	Tray	Weight
621395	964/36SOS	88	6820	F	438,02
188/2 6p (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13), 189/2 (E 4, E 5, E 6, E 7, E 8, E 10, E 11), 187/2HX (3, 4, 5, 6, 7), 187/2TX (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), 187/2SL (0.8 x 4, 1 x 5.5, 1.2 x 7), 187/2PH (PH 1, PH 2, PH 3), 188.1/1ABI (1/4"), 188.2/2BI (1/4"), 188.3/2 (1/4"), 188.4/2 (1/4" x 55, 1/4" x 150), 188.6/2 (1/4"), 188.7/2 (1/4" - 3/8"), 188.8 (1/4"), 190/1 6p (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), 191/1 (E 10, E 11, E 12, E 14), 192/2HX (6, 7, 8, 9, 10, 12), 192/2TX (TX 30, TX 40, TX 45, TX 50), 192/2ZXL (M 6, M 8, M 10, M 12), 190.1/1ABI (1/2"), 190.3/1 (1/2"), 190.2/1BI (1/2"), 190.3/1 (1/2"), 190.4/1 (1/2" x 250, 1/2" x 125), 190.6/2 (1/2"), vI964/36SOS (564 x 364 x 30)					

vI964/36SOS

SOS tool tray for 964/36SOS

Barcode	B	L	H	Person	Tray	Weight
621385	564	364	30	152	V	19,31

**1800****Safety shoes, normal**

- antistatic
- oil resistant
- petrol and chemical resistant sole
- water repellent
- 200 joules toe cap
- steel midsole
- anti-slip
- shock absorption
- made according to standard EN 20345

**S1-P**

Barcode	Size	Weight	Color	Price
617615	38	1550	F	30,15
617532	39	1550	F	31,08
617616	40	1550	F	31,08
617533	41	1550	F	31,08
617534	42	1550	F	31,08
617535	43	1550	F	31,08
617536	44	1550	F	31,08
617617	45	1550	F	31,08
617618	46	1550	F	31,08
617619	47	1550	F	30,15

1800L**Safety shoes, high**

- antistatic
- oil resistant
- petrol and chemical resistant sole
- water repellent
- 200 joules toe cap
- steel midsole
- anti-slip
- shock absorption
- made according to standard EN 20345

**S1-P**

Barcode	Size	Weight	Color	Price
617620	38	1550	F	30,31
617621	39	1550	F	28,77
617622	40	1550	F	30,31
617623	41	1550	F	28,77
617537	42	1550	F	30,31
617538	43	1550	F	30,31
617624	44	1550	F	30,31
617625	45	1550	F	30,31
617626	46	1550	F	28,77
617627	47	1550	F	28,77





Safety shoes

412 - 414



Safety working clothes

414 - 415

Marketing products:
refreshes, bottle opener, SOS foam lockets

416 - 417



Printed advertising materials

418 - 425

**1805****Safety shoes, normal**

- antistatic
- oil resistant
- petrol and chemical resistant sole
- water resistant
- 200 joules toe cap
- steel midsole
- anti-slip
- shock absorption
- made according to standard EN 20345

**S3**

Barcode	Size	Weight	Gender	Price
618379	38	1550	F	30,46
618380	39	1550	F	33,85
618381	40	1550	F	33,85
618382	41	1550	F	36,46
618383	42	1550	F	34,92
618384	43	1550	F	34,92
618385	44	1550	F	34,92
618386	45	1550	F	34,92
618387	46	1550	F	36,46
618388	47	1550	F	33,85

FEATURES OF SAFETY SHOES

1800, 1800L, 1805, 1805L, 1807, 1807L



18 Safety shoes

1805L

Safety shoes, high

- antistatic
- oil resistant
- petrol and chemical resistant sole
- water resistant
- 200 joules toe cap
- steel midsole
- anti-slip
- shock absorption
- made according to standard EN 20345



S3

618389	38	1550	F	32,00
618390	39	1550	F	36,46
618391	40	1550	F	36,46
618392	41	1550	F	36,46
618393	42	1550	F	34,92
618394	43	1550	F	36,46
618395	44	1550	F	36,46
618396	45	1550	F	36,46
618397	46	1550	F	36,46
618398	47	1550	F	36,46

1807L

Safety shoes, high

- antistatic
- oil resistant
- petrol and chemical resistant sole
- water resistant
- 200 joules toe cap
- steel midsole
- anti-slip
- shock absorption
- made according to standard EN 20345



S3

619916	38	1550	F	35,08
619917	39	1550	F	35,08
619918	40	1550	F	36,15
619919	41	1550	F	36,15
619920	42	1550	F	36,15
619921	43	1550	F	36,15
619922	44	1550	F	36,15
619923	45	1550	F	35,08
619924	46	1550	F	35,08
619925	47	1550	F	35,08

1831

Overalls Unior



621675	50	784	V	48,80
621676	52	801	V	48,80
621677	54	813	V	48,80
621678	56	841	V	48,80
621679	58	846	V	54,65
621680	60	872	V	54,65
621681	62	880	V	54,65
621682	64	896	V	54,65

1807

Safety shoes, normal

- antistatic
- oil resistant
- petrol and chemical resistant sole
- water resistant
- 200 joules toe cap
- steel midsole
- anti-slip
- shock absorption
- made according to standard EN 20345



S3

619906	38	1550	F	32,62
619907	39	1550	F	32,62
619908	40	1550	F	32,62
619909	41	1550	F	32,62
619910	42	1550	F	32,62
619911	43	1550	F	33,69
619912	44	1550	F	33,69
619913	45	1550	F	32,62
619914	46	1550	F	32,62
619915	47	1550	F	32,62

1830

Combination Unior



621667	50	1169	V	68,84
621668	52	1190	V	68,84
621669	54	1241	V	68,84
621670	56	1262	V	68,84
621671	58	1289	V	76,78
621672	60	1307	V	76,78
621673	62	1398	V	76,78
621674	64	1478	V	76,78

1832

Waistcoat Unior



621683	50	582	V	33,52
621684	52	628	V	33,52
621685	54	645	V	33,52
621686	56	670	V	33,52
621687	58	702	V	37,39
621688	60	732	V	37,39
621689	62	760	V	37,39
621690	64	790	V	37,39

1840
Cap Unior


Barcode	Size	Color	Material	Price
621691	80	V		2,95

1850M
T-shirt Unior for men


Barcode	Size	Color	Material	Price
621694	M	176	V	9,23
621695	L	188	V	9,23
621696	XL	210	V	9,23
621697	XXL	230	V	9,23

1850W
T-shirt Unior for women


Barcode	Size	Color	Material	Price
621698	M	133	V	9,23
621699	L	140	V	9,23
621700	XL	159	V	9,23
621701	XXL	140	V	9,23

1851M
Polo shirt Unior for men


Barcode	Size	Color	Material	Price
621702	M	241	V	13,80
621703	L	270	V	13,80
621704	XL	280	V	13,80
621705	XXL	290	V	13,80

1851W
Polo shirt Unior for women


Barcode	Size	Color	Material	Price
621706	M	170	V	13,80
621707	L	180	V	13,80
621708	XL	201	V	13,80
621709	XXL	218	V	13,80

1852
Termoflis


Barcode	Size	Color	Material	Price
622890	S	680	V	51,92
622889	M	700	V	51,92
622888	L	690	V	51,92
622887	XL	800	V	51,92
622886	XXL	830	V	51,92

1853
Sleeveless termoflis


Barcode	Size	Color	Material	Price
616029	S	420	V	41,54
613301	M	440	V	41,54
622893	L	450	V	41,54
622892	XL	480	V	41,54
622891	XXL	495	V	41,54

1854
Sweatshirt with a hut


Barcode	Size	Color	Material	Price
622898	S	400	V	76,15
622897	M	460	V	76,15
622896	L	500	V	76,15
622895	XL	520	V	76,15
622894	XXL	560	V	76,15

AP1
Apron


Barcode	Size	Color	Material	Price
616497	350	V		30,50

18 Marketing products: refreshes, bottle opener, SOS foam lockets

1822

Air refresher



Barcode	Person	Truck	Coins
622562	10	V	1,27

1845

Neck ribbon Unior



Barcode	Person	Truck	Coins
621710	3	V	3,77

1846F

Folding umbrella



Barcode	Person	Truck	Coins
621712		V	26,58

1846

Umbrella Unior



Barcode	Person	Truck	Coins
621713	375	V	22,31

1847B

Paper bag Unior



Barcode	A	B	H	Person	Truck	Coins
621714	320	120	410	105	V	7,82

1847S

Paper bag Unior



Barcode	A	B	H	Person	Truck	Coins
621715	265	100	370	93	V	5,00

1847SHT

Paper bag Unior hand tools



Barcode	A	B	H	Person	Truck	Coins
621716	265	100	370	89	V	5,00

1848

Folder Unior



Barcode	A	B	H	Person	Truck	Coins
621717	226	308	5	67	V	2,58
621718	226	308	25	117	V	6,34

1862

Tyre tread depth checker

• for checking tyre tread depth 2, 3, 4, 5, 6, 7, 8 mm



Barcode	Person	Truck	Coins
621944	7,3	V	2,42

1863

Universal protecting mat

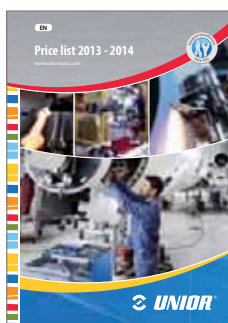
• material: low density polyethylene foam



Barcode	A	B	H	Person	Truck	Coins
621982	500	219	30	90	V	7,65

MC2013

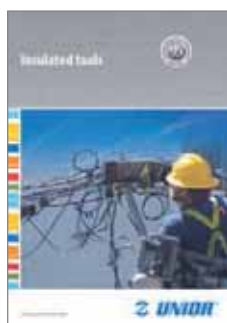
Mini catalogue for 2013 - 2014



Barcode	Language	Checkmark	Price
623117	SLO	✓	13,88
623118	EN	✓	13,88
621824	D	✓	13,88

KAT.VDE2010

Catalogue VDE tools



Barcode	Language	Checkmark	Price
621518	SLO	✓	5,71
621519	EN	✓	5,71

KAT.KOL2013

Catalogue bike tools



Barcode	Language	Checkmark	Price
621522	EN	✓	3,85
621523	SLO	✓	3,85

KAT.PNE2010

Catalogue pneumatic tools



Barcode	Language	Checkmark	Price
621514	SLO	✓	3,90
621515	EN	✓	4,08

LET.SPL2010

General leaflet



Barcode	Language	Checkmark	Price
621520	EN	✓	0,69

LET.KOL2010

General bike leaflet



Barcode	Language	Checkmark	Price
621524	EN	✓	1,23

LET.PLUS2010

Leaflets Plus line



Barcode	Language	Checkmark	Price
621521	EN	✓	1,01

LET.AVT2010

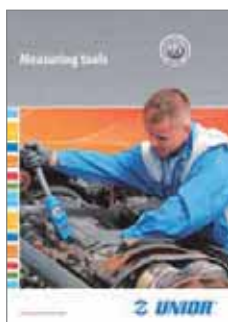
General automotive leaflet



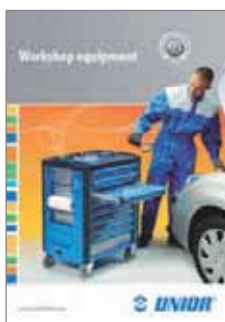
Barcode	Language	Checkmark	Price
621559	EN	✓	1,56
621960	SLO	✓	1,62

KAT.MER2010

Catalogue measuring tools



Barcode	Language	Checkmark	Price
621516	SLO	✓	3,54
621517	EN	✓	3,54

KAT.OPR
Catalogue workshop equipment


Barcode	Language	Icon	Price
619942	SLO	✓	2,63
619943	D	✓	2,63
619944	EN	✓	2,63
619945	RU	✓	2,63
619946	ES	✓	2,63
619947	GR	✓	2,63

PRO.ČEV
Leaflets Shoes


Barcode	Language	Icon	Price
619956	SLO	✓	0,44
619957	D	✓	0,44
619958	EN	✓	0,44
619959	ES	✓	0,44

PLA.940
Poster tool carriage Eurovision


Barcode	Language	Icon	Price
619975	SLO	✓	3,96
619976	EN	✓	3,96
619977	D	✓	3,96

PRO514
Leaflets Multifunctional pliers


Barcode	Language	Icon	Price
619948	SLO	✓	0,36
619949	D	✓	0,36
619950	EN	✓	0,36
619951	ES	✓	0,36

PRO.ŠKR.P
Leaflets Plus shears


Barcode	Language	Icon	Price
619960	SLO	✓	0,45
619961	D	✓	0,45
619962	EN	✓	0,45
619963	ES	✓	0,45

PLA.943
Poster modular work benches


Barcode	Language	Icon	Price
619978	SLO	✓	3,96
619979	EN	✓	3,96
619980	D	✓	3,96

PRO596PLUS
Leaflets Bolt cutter


Barcode	Language	Icon	Price
619952	SLO	✓	0,44
619953	D	✓	0,44
619954	EN	✓	0,44
619955	ES	✓	0,44

PLA.920
Poster tool carriage Europlus


Barcode	Language	Icon	Price
619972	SLO	✓	3,96
619973	EN	✓	3,96
619974	D	✓	3,96

PLA.950
Poster wardrobe cabinet


Barcode	Language	Icon	Price
619981	SLO	✓	3,96
619982	EN	✓	3,96
619983	D	✓	3,96

PLA.514
Poster multifunctional pliers


Barcode	Icon	Icon	Icon
619984	SLO	✓	3,96
619985	EN	✓	3,96
619986	D	✓	3,96

PLA.ČEV
Poster Shoes


Barcode	Icon	Icon	Icon
619993	SLO	✓	3,96
619994	EN	✓	3,96
619995	D	✓	3,96

1842
Water bottle


Barcode	Icon	Icon	Icon	Icon
621878	0,5l	76	✗	2,77

PLA.563
Poster Plus shears


Barcode	Icon	Icon	Icon
619987	SLO	✓	3,96
619988	EN	✓	3,96
619989	D	✓	3,96

PLA.KOL
Poster bike tools


Barcode	Icon	Icon	Icon
619996	SLO	✓	3,96
619997	EN	✓	3,96
619998	D	✓	3,96

1843
Label Unior


Barcode	Icon	Icon	Icon	Icon
621871	99 x 24	1	✗	0,32
621872	165 x 40	3	✗	0,89
621873	346,5 x 84	11	✗	4,17
621874	577,5 x 140	39	✗	9,64
621875	990 x 240	90	✗	24,74

PLA.596P
Poster Bolt cutter


Barcode	Icon	Icon	Icon
619990	SLO	✓	3,96
619991	EN	✓	3,96
619992	D	✓	3,96

1821NOT
Writing pad


Barcode	Icon	Icon	Icon	Icon
622558	A4	320	✗	7,44

1844UNIOR
Transparent Unior


Barcode	Icon	Icon	Icon	Icon
621876	3m x 1m	2000	✗	216,00



1843OTR.KRO

Label baby in car, Unigator



622556	2	X		0,29

1843OTR

Label baby in car, boy with helmet



622557	2	X		0,29

1844A

Table flag with stand



622591	107	X		51,69

1848A

Folder Unior



621969	A4	90	X		1,34

1849

Unior table stand for notes

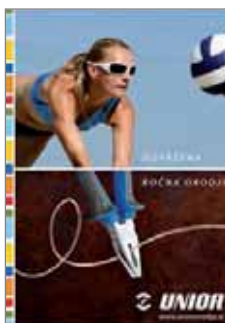
- material: acryl glass
- for notes dimension 75 x 75 mm
- delivered without notes



	A	B	H				
621846	92	110	237	225	X		26,52

PLA.ODB

Poster on textile volleyball player



622504	700 x 1000	EN	303	X		37,84

PLA.PLE

Poster on textile climber



622505	700x1000	EN	303	X		37,84

PLA.NOG

Poster on textile football player



622506	1000 x 700	EN	367	X		37,84

PLA.KOL.OGLAS

Poster on textile bike announce
London eye


622507	700 x 1000	EN	303	X		37,84

1870

Tent with compressor



621860	4m x 4m	70000	X		10769,23

1870.2GEN

General transparent for 1870



622582	3730	X		2730,09

1870.2BIKE

Bike transparent for 1870



622583	3730	X	2730,09

1872.920PLUS

Rollwall
920PLUS



621865	1m x 2m	3000	X 421,51

1872.GENERAL1

General
Rollwall



622563	1m x 2m	3000	X 421,51

1870.2AUTO

Automotive transparent for 1870



622584	3730	X	2730,09

1872.447HPP

Rollwall
447HPP



621866	1m x 2m	3000	X 421,51

1872.920.940

Rollwall
920PLUS
and 940EV



622564	1m x 2m	3000	X 421,51

1872GENERAL

General
rollwall



621864	1m x 2m	3000	X 421,51

1872.596PLUS

Rollwall
596PLUS



621867	1m x 2m	3000	X 421,51

1872.942.944

Rollwall
942, 944



622565	1m x 2m	3000	X 421,51

1872.721

Rollwall
721/6


622566 1m x 2m 3000 421,51

1872.SEG

Rollwall lock
ring pliers


622569 1m x 2m 3000 421,51

1872.BIKE

Rollwall
bike tools


622572 1m x 2m 3000 421,51

1872.721Q

Rollwall
721/6Q


622567 1m x 2m 3000 421,51

1872.586

Rollwall
586


622570 1m x 2m 3000 421,51

1872VDE

Rollwall
insulated
tools


622573 1m x 2m 3000 421,51

1872.514

Rollwall
514


622568 1m x 2m 3000 421,51

1872AUT

Rollwall
automotive
tools


622571 1m x 2m 3000 421,51

1872WRE

Rollwall
wrenches


622574 1m x 2m 3000 421,51

1872PLI

Rollwall pliers



622575	1m x 2m	3000	X	421,51

1872PLI2

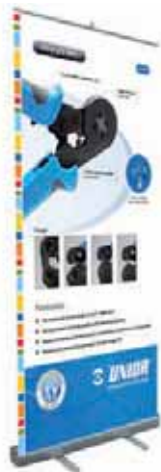
Rollwall 427/4G



622578	1m x 2m	3000	X	421,51

1872PLI1

Rollwall 427
general



622579	1m x 2m	3000	X	421,51

1873GENERAL

General folding stand



621868	2m x 3m	43000	X	4615,38

1873BIKE

Bike folding stand



621869	2m x 3m	43000	X	4615,38

1873AUTO

Automotive folding stand



621870	2m x 3m	43000	X	4615,38

PIC.IM1

Picture ratchet and socket



622614	900 x 900	1585	X	126,23

PIC.IM2

Picture bike tools



622616	900 x 900	1585	X	126,23

PIC.IM3

Picture with 461/1VDEBI



622617	900 x 900	1585	X	126,23

PIC.IM4

Picture with 514/1BI



622618	900 x 900	1585	X	126,23

PIC.IM5

Picture with wrenches



622619	900 x 900	1585	X	126,23

PIC.IM6

Picture with 406/1B1



622620	900 x 900	1585	X	126,23

PIC.IM7

Picture with 596PLUS



622621	900 x 900	1585	X	126,23

PIC.IM8

Picture with screwdrivers



622622	900 x 900	1585	X	126,23

PLA.GIRL1

Poster with girl on ladder



622607	700 x 1000	103	X	4,53

PLA.GIRL2

Poster with girl with helmet on ladder



622608	700 x 1000	103	X	4,53

PLA.GIRL3

Poster with girl on carriage



622609	700 x 1000	103	X	4,53

PLA.GIRL4

Poster with girl with screwdriver



622610	700 x 1000	103	X	4,53

PLA.GIRL5

Poster with girl with 1392



622611	700 x 1000	103	X	4,53

PLA.GIRL6

Poster with girl with 1561



622612	700 x 1000	103	X	4,53