

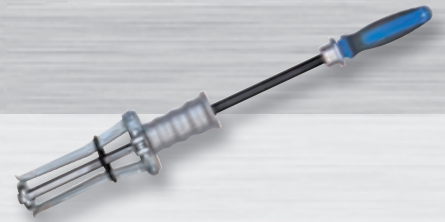
Pullers



Pullers with two adjustable arms



Pullers with three adjustable arms



Other pullers



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.



Features of Unior's pullers

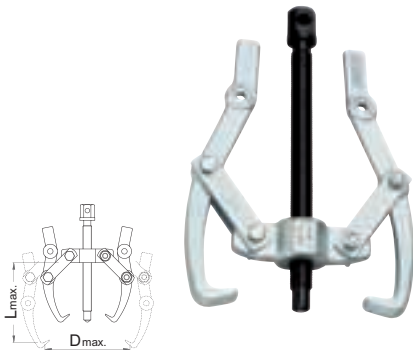
- surface finish burnished
- screw entirely hardened tempered
- material: carbon tool steel
- arms adjustable in two positions
- body, screw drop forged
- surface finish: zinc plated



680/5

Puller with two adjustable arms

- material: special tool steel
- drop forged, entirely hardened and tempered
- surface finish: zinc plated to standard 12329, screw blacken
- arms adjustable in two positions
- lever action claws fit closely under the part to be removed



Barcode	Nº	L	D
612603	0	90	90
601762	1	160	130
601763	2	230	190
601764	3	300	250

680/5MS

Set of pullers with two adjustable arms



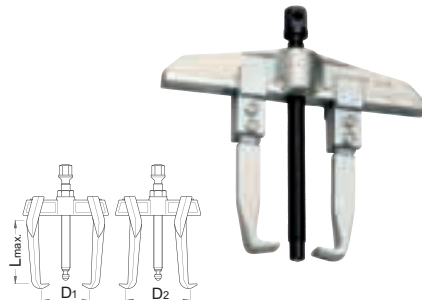
Barcode	Nº	Hand
612655	680/5MS	4
680/5 (90 x 90, 160 x 130, 230 x 190, 300 x 250), 980P2		



681/5

Puller with two sliding arms

- material: special tool steel
- drop forged, entirely hardened and tempered
- surface finish: zinc plated to standard 12329, screw blacken
- sturdy design for very heavy duty work
- by reversing the arms, the puller can be used as internal or external puller

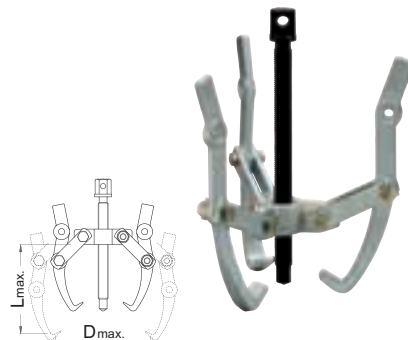


Barcode	Nº	B	D1	D2	L
601765	300	280	70 - 220	110 - 260	150
601766	400	450	110 - 360	190 - 450	200

682/5

Puller with three adjustable arms

- material: special tool steel
- drop forged, entirely hardened and tempered
- surface finish: zinc plated to standard 12329, screw blacken
- arms adjustable in two positions
- lever action claws fit closely under the part to be removed



Barcode	Nº	L	D
612604	0	90	90
601767	1	160	130
601768	2	230	190
601769	3	300	250



682/5MS

Set of pullers with three adjustable arms

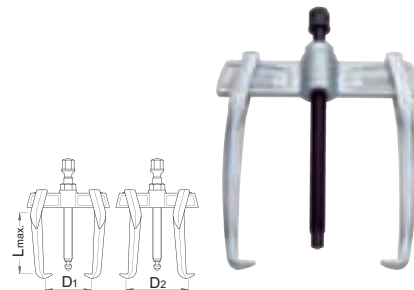


Barcode	Nº	Hand
612656	682/5MS	4
682/5 (90 x 90, 160 x 130, 230 x 190, 300 x 250), 980P3		

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 blacked
- lever action claws fit closely under the part to be removed



Barcode	Nº	L	D1	D2
615076	60	90	65	50 - 90
615077	90	90	90	50 - 110
615078	130	140	130	80 - 140
615079	180	140	180	80 - 180
615080	250	195	250	130 - 250
615081	350	195	350	130 - 350

683/2MS

Set of pullers with two sliding arms

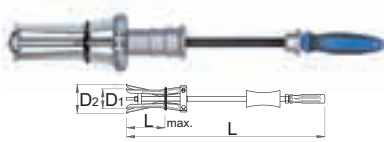


Barcode	Nº	Hand
615082	683/2MS	6
683/2 (60, 90, 130, 180, 250, 350), 980P2S		

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 12329, screw blacken
- used for inaccessible areas
- in set with arms, for small and large diameters
- ergonomic heavy duty double component handle

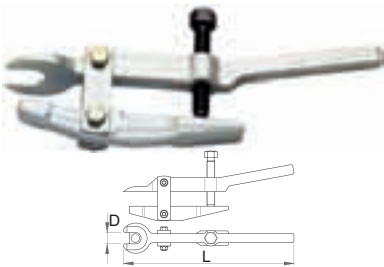


601771	D1	D2	Lf	L
	30 - 80	120 - 180	125	600

686/5

Professional ball joint puller

- material: special tool steel
- drop forged, entirely hardened and tempered
- surface finish: zinc plated to standard 12329, screw blacken
- for cars



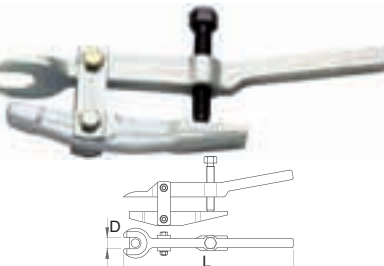
601772	D	L
	16	260



686/5A

Professional ball joint puller

- material: special tool steel
- drop forged, entirely hardened and tempered
- surface finish: zinc plated to standard 12329, screw blacken
- for trucks

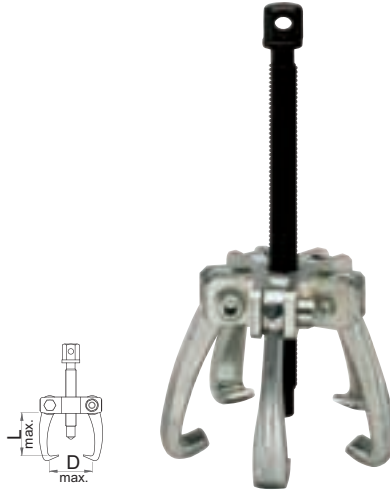


602369	D	L
	18	260

687/5

Puller with five adjustable arms

- material: special tool steel
- drop forged, entirely hardened and tempered
- surface finish: zinc plated to standard 12329, screw blacken
- sturdy design for very heavy duty work



602848	Lf	Df
	120	47

701

Feeler gauges

- certificate of conformity
- stainless steels



601896	0.05 - 0.5	8
601897	0.05 - 1	13
601898	0.05 - 1	20

701A

Screw pitch gauges

- certificate of conformity
- stainless steels
- for outside and inside measurements
- metric-thread: 0,4 - 7 (28 gauges)
- whitworth - thread: 4 - 62 (20 gauges)

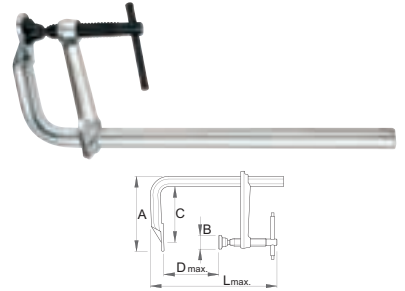


616706	48

702/5MH

Joiner's clamp

- material: special tool steel
- entirely hardened and tempered
- surface finish: zinc plated to standard 12329, screw blacken
- intended for timber and building industry
- metal handle

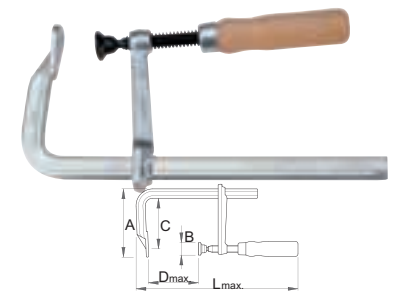


608433	Df	C	Lf	A	B
608434	120	100	330	155	25
608435	160	100	370	155	25
608435	200	100	410	155	25
608436	250	100	460	155	25
608360	300	120	550	180	35
608437	400	120	650	180	35
608438	500	120	750	180	35
608439	600	120	850	180	35
608440	800	120	1050	180	35
608441	1000	120	1250	180	35

702/5WH

Joiner's clamp

- material: special tool steel
- entirely hardened and tempered
- surface finish: zinc plated to standard 12329, screw blacken
- intended for timber and building industry
- wooden handle, lacquered

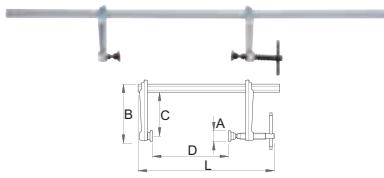


601783	Df	C	Lf	A	B
601784	120	100	330	155	25
601784	160	100	370	155	25
601785	200	100	410	155	25
601786	250	100	460	155	25
601787	300	120	550	180	35
601788	400	120	650	180	35
601789	500	120	750	180	35
601790	600	120	850	180	35
601791	800	120	1050	180	35
601792	1000	120	1250	180	35

703/5MH

Joiner's clamp universal

- material: special tool steel
- entirely hardened and tempered
- surface finish: zinc plated to standard 12329, screw blacken
- intended for timber and building industry
- metal handle
- for internal and external clamping

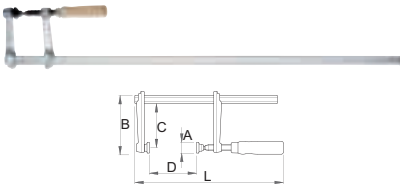


608230	D	C	L	A	B
	1000	120	1250	35	180

703/5WH

Joiner's clamp universal

- material: special tool steel
- entirely hardened and tempered
- surface finish: zinc plated to standard 12329, screw blacken
- intended for timber and building industry
- wooden handle, lacquered
- for internal and external clamping



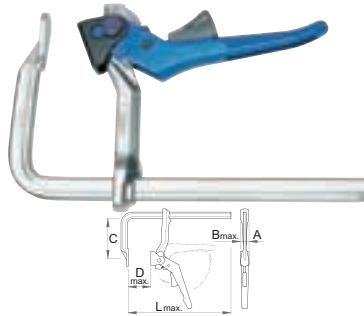
607346	D	C	L	A	B
	1000	120	1250	35	180



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

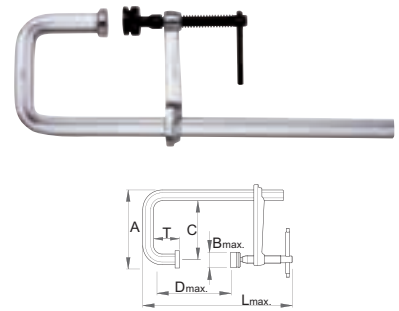


	D	C	L	A	B
609961	160	120	360	25	25
609962	200	120	400	25	25
609963	250	120	450	25	25
609964	300	140	570	35	25
609965	400	140	670	35	35
609966	500	140	770	35	35
609967	600	140	870	35	35
609972	800	140	1070	35	35
609973	1000	140	1270	35	35

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 swiveled
- the foot, spindle and handle are protected against corrosion

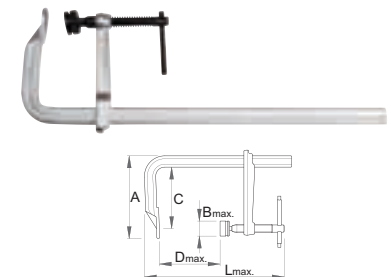


	D	T	C	L	A	B
617531	250	60	140	450	170	40
617539	300	100	140	560	190	40
617540	400	150	140	710	190	40

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



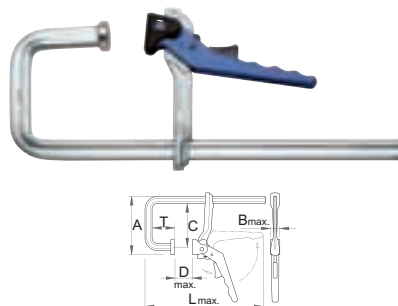
	D	T	C	L	A	B
609974	160	140	370	155	30	
609968	200	140	410	155	30	
609982	250	140	460	155	30	
609969	300	140	550	180	40	
609970	400	140	650	180	40	
609971	500	140	750	180	40	
609975	600	140	850	180	40	
609983	800	140	1050	180	40	
609984	1000	140	1250	180	40	



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
617528	250	60	120	530	170	40
617529	300	100	140	655	190	40
617530	400	150	140	805	190	40

710P

Measuring tape

- plastic double component casing
- with stop and clip



Barcode	m	ft	d
612131	2	0	16
612132	3	0	16
612133	5	0	19
612134	8	0	25
612135	10	0	25
612784	2	6	16
612785	3	10	16
612786	5	16	19
612787	8	26	25
612788	10	33	25

710R

Measuring tape

- plastic double component casing
- with stop and clip

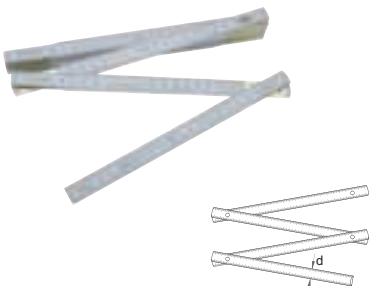


Barcode	m	ft	d
612789	2	0	16
612790	3	0	16
612791	5	0	19
612792	8	0	25
612793	2	6	16
612794	3	10	16
612795	5	16	19
612796	8	26	25

710W

Folding rule

- material: beech wood
- mm - graduation printed in both sides
- preciseness to class III

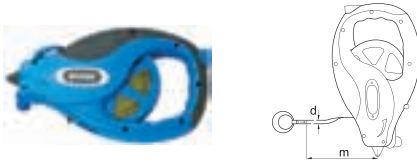


Barcode	m	d
609365	2	16

714

Long measuring tape

- plastic double component casing
- acryl coated steel tape enable long life
- 6 time speed of tape by rolling



Barcode	m	d
621525	50	13

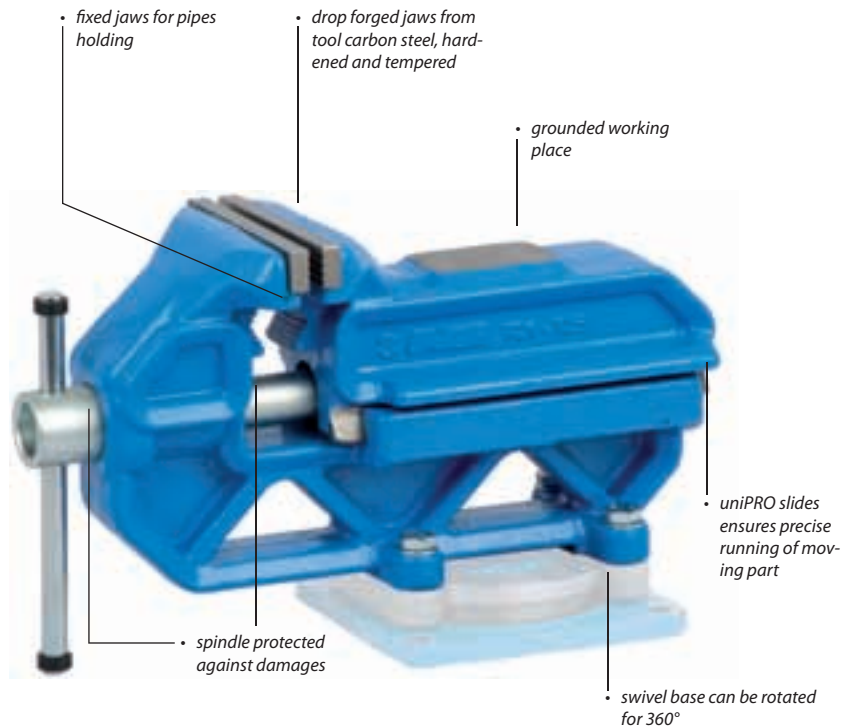
50 m



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 damages
- uniPRO slides ensures precise running of moving part
- engineers vice can combine with swivel base



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.

Barcode	mm
621564	80
621481	125
621567	150
621570	200



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 part
- engineers vise can combine with swivel base
- quick moving system



Barcode	Length
621565	80
621482	125
621568	150
621571	200

721.1/6

Swivel base for 721/6 and 721Q/6

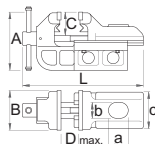
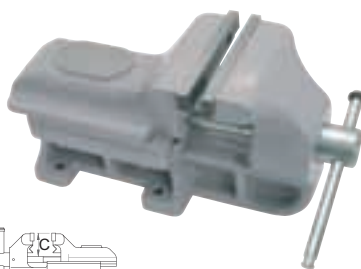


Barcode	Length
621566	80
621483	125
621569	150
621572	200

722/6

Engineers vice with fixed base

- housing from special alloy
- replaceable jaws from carbon tool steel, hardened and tempered
- housing gray lacquered



Barcode	Length
612155	80
612156	100
612157	125
612158	150
612159	175
612160	200

722.1/7

Spare jaw for 722/6

- material: special tool steel
- drop forged, entirely hardened and tempered
- set 2 pieces



Barcode	Length
619018	80
619019	100
619020	125
619021	150
619022	175
619023	200

722.1AL

Spare aluminium jaws for 722/6

- material: aluminium
- set 2 pieces



Barcode	Length
619024	80
619025	100
619026	125
619027	150
619028	175
619029	200

726/6

Yoke vice

- housing from special alloy
- drop forged jaws from tool carbon steel, hardened and tempered
- lacquered housing, jaws anticorrosive oiled, other parts zinc plated
- can be mounted on our portable threestand



Barcode	Width	Length
619613	1/8" - 2"	70
619614	1/8" - 3"	100

741/6

Threestand

- designed for maximum stability

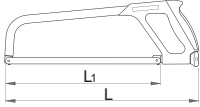


Barcode	Height
607347	1000

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

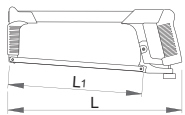


	L	L1	L1
601890	407	310	12"

750B

Hacksaw

- light compact with ergonomically designed handle
- frame chrome plated, handle blue lacquered
- two blade position



	L	L1
621531	400	300

750.1B

Spare blade for 750B



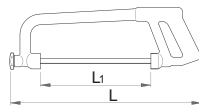
621532	2

750VEDP

Insulated saw

1000V
IEC 60900:2004

- double layered - double coloured insulation, which enables additional safety
- if second layer is visible, replace your VDE tool with the new one
- if second layer is visible, replace your VDE tool with the new one
- made according to standard EN60900



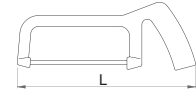
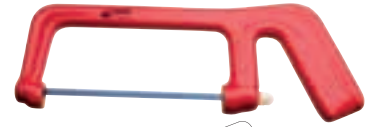
	L	L1
619098	460	270

753VEDP

Insulated saw

1000V
IEC 60900:2004

- replaceable blade
- made according to standard EN60900

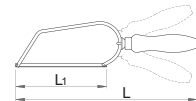


	L
615502	150

753W

Saw

- wooden handle
- adjustable handle
- replaceable blade



	L1	L
612163	150	305

753.1

Spare blade for 753P, 753W and 753VDE

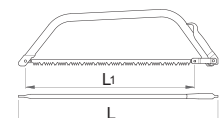


617281

755

Bow saw

- material: blade carbon tool steel
- handle: sheet metal



	L1	L1	L
612236	610	24"	700
609407	762	30"	850
609408	914	36"	1000

755.1

Spare blade for 755

- material: blade carbon tool steel
- handle polystyrene

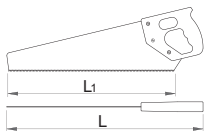


Barcode	L1	L1
612237	610	24"
609409	762	30"
609410	914	36"

757

Hand saw

- material: blade carbon tool steel
- handle polystyrene



Barcode	L1	L
609423	400	493

760B

Flat file, bastard

- material: carbon tool steel
- all files has second cut



Barcode	Length	a x b
619289	100	3.5 x 12
619290	150	4 x 16
612911	200	5 x 20
612912	250	7 x 26
612913	300	8 x 30

760 1/2S

Flat file, half smooth

- material: carbon tool steel
- all files has second cut



Barcode	Length	a x b
619293	100	3.5 x 12
619294	150	4 x 16
612914	200	5 x 20
612915	250	7 x 26
612916	300	8 x 30

760S

Flat file, smooth

- material: carbon tool steel
- all files has second cut



Barcode	Length	a x b
619297	100	3.5 x 12
619298	150	4 x 16
612917	200	5 x 20
612918	250	7 x 26
612919	300	8 x 30

760HB

Flat file with handle, bastard

- material: carbon tool steel
- all files has second cut

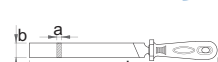


Barcode	Length	L	a x b
619291	100	190	3.5 x 12
619292	150	240	4 x 16
612992	200	325	5 x 20
612993	250	375	7 x 26
612994	300	425	8 x 30

760H1/2S

Flat file with handle, half smooth

- material: carbon tool steel
- all files has second cut



Barcode	Length	L	a x b
619295	100	190	3.5 x 12
619296	150	240	4 x 16
612995	200	325	5 x 20
612996	250	375	7 x 26
612997	300	425	8 x 30

760HS

Flat file with handle, smooth

- material: carbon tool steel
- all files has second cut



Barcode	Length	L	a x b
619299	100	190	3.5 x 12
619300	150	240	4 x 16
612998	200	325	5 x 20
612999	250	375	7 x 26
613001	300	425	8 x 30

761B

Half-round file, bastard

- material: carbon tool steel
- all files has second cut



Barcode	Length	a x b
619301	100	4 x 11
619302	150	5 x 16
612920	200	7 x 21
612921	250	8 x 24
612922	300	10 x 30

761 1/2S

Half-round file, half smooth

- material: carbon tool steel
- all files has second cut



Barcode	Length	a x b
619305	100	4 x 11
619306	150	5 x 16
612923	200	7 x 21
612924	250	8 x 24
612925	300	10 x 30

761S

Half-round file, smooth

- material: carbon tool steel
- all files has second cut



Barcode	Length	a x b
619309	100	4 x 11
619310	150	5 x 16
612926	200	7 x 21
612927	250	8 x 24
612928	300	10 x 30

761HB

Half-round file with handle, bastard

- material: carbon tool steel
- all files has second cut

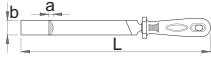


Barcode	Length	L	a x b
619303	100	190	4 x 11
619304	150	240	5 x 16
613002	200	325	7 x 21
613003	250	375	8 x 24
613004	300	425	10 x 30

761H1/2S

Half-round file with handle, half smooth

- material: carbon tool steel
- all files has second cut

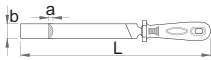


Barcode	↙	L	a x b
619307	100	190	4 x 11
619308	150	240	5 x 16
613005	200	325	7 x 21
613006	250	375	8 x 24
613007	300	425	10 x 30

761HS

Half-round file with handle, smooth

- material: carbon tool steel
- all files has second cut



Barcode	↙	L	a x b
619311	100	190	4 x 11
619312	150	240	5 x 16
613008	200	325	7 x 21
613009	250	375	8 x 24
613010	300	425	10 x 30

762/5B

Set of files, bastard



Barcode	Nº	↖
619467	762/5B	5
760HB (150), 761HB (150), 763HB (150), 764HB (150), 765HB (150)		
612929	762/5B	5
760HB (200), 761HB (200), 763HB (200), 764HB (200), 765HB (200)		
612930	762/5B	5
760HB (250), 761HB (250), 763HB (250), 764HB (250), 765HB (250)		

762/5 1/2S

Set of files, half smooth



Barcode	Nº	↖
619468	762/5 1/2S	5
760H1/2S (150), 761H1/2S (150), 763H1/2S (150), 764H1/2S (150), 765H1/2S (150)		
612931	762/5 1/2S	5
760H1/2S (200), 761H1/2S (200), 763H1/2S (200), 764H1/2S (200), 765H1/2S (200)		
612932	762/5 1/2S	5
760H1/2S (250), 761H1/2S (250), 763H1/2S (250), 764H1/2S (250), 765H1/2S (250)		

762/5S

Set of files, smooth



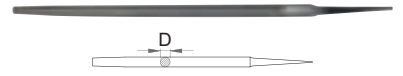
Barcode	Nº	↖
619469	762/5S	5
760HS (150), 761HS (150), 763HS (150), 764HS (150), 765HS (150)		
612933	762/5S	5
760HS (200), 761HS (200), 763HS (200), 764HS (200), 765HS (200)		
612934	762/5S	5
760HS (250), 761HS (250), 763HS (250), 764HS (250), 765HS (250)		



763B

Round file, bastard

- material: carbon tool steel
- all files has second cut

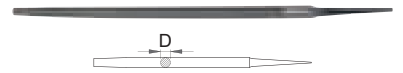


Barcode	L	D
619313	100	4
619314	150	6
612935	200	8
612936	250	10
612937	300	12

763 1/2S

Round file, half smooth

- material: carbon tool steel
- all files has second cut



Barcode	L	D
619317	100	4
619318	150	6
612938	200	8
612939	250	10
612940	300	12

763S

Round file, smooth

- material: carbon tool steel
- all files has second cut

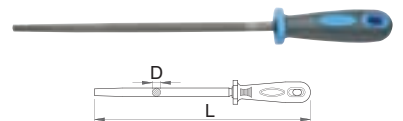


Barcode	L	D
619321	100	4
619322	150	6
612941	200	8
612942	250	10
612943	300	12

763HB

Round file with handle, bastard

- material: carbon tool steel
- all files has second cut

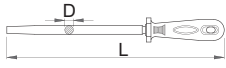


Barcode	↙	L	D
619315	100	190	4
619316	150	240	6
613011	200	325	8
613012	250	375	10
613013	300	425	12

763H1/2S

Round file with handle, half smooth

- material: carbon tool steel
- all files has second cut

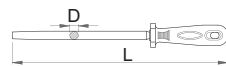


Barcode	Angle	L	D
619319	100	190	4
619320	150	240	6
613014	200	325	8
613015	250	375	10
613016	300	425	12

763HS

Round file with handle, smooth

- material: carbon tool steel
- all files has second cut



Barcode	Angle	L	D
619323	100	190	4
619324	150	240	6
613017	200	325	8
613018	250	375	10
613019	300	425	12

764B

Three-square file, bastard

- material: carbon tool steel
- all files has second cut



Barcode	Angle	B
619325	100	8
619326	150	11
612944	200	14
612945	250	17
612946	300	20

764 1/2S

Three-square file, half smooth

- material: carbon tool steel
- all files has second cut



Barcode	Angle	B
619329	100	8
619330	150	11
612947	200	14
612948	250	17
612949	300	20

764S

Three-square file, smooth

- material: carbon tool steel
- all files has second cut



Barcode	Angle	B
619333	100	8
619334	150	11
612950	200	14
612951	250	17
612952	300	20

764HB

Three-square file with handle, bastard

- material: carbon tool steel
- all files has second cut



Barcode	Angle	L	B
619327	100	190	8
619328	150	240	11
613020	200	325	14
613021	250	375	17
613022	300	425	20

764H1/2S

Three-square file with handle, half smooth

- material: carbon tool steel
- all files has second cut

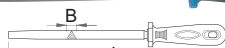


Barcode	Angle	L	B
619331	100	190	8
619332	150	240	11
613023	200	325	14
613024	250	375	17
613025	300	425	20

764HS

Three-square file with handle, smooth

- material: carbon tool steel
- all files has second cut



Barcode	Angle	L	B
619335	100	190	8
619336	150	240	11
613026	200	325	14
613027	250	375	17
613028	300	425	20

765B

Square file, bastard

- material: carbon tool steel
- all files has second cut



Barcode	Angle	A
619337	100	4
619338	150	6
612953	200	8
612954	250	10
612955	300	12

765 1/2S

Square file, half smooth

- material: carbon tool steel
- all files has second cut



Barcode	Angle	A
619341	100	4
619342	150	6
612956	200	8
612957	250	10
612958	300	12

765S

Square file, smooth

- material: carbon tool steel
- all files has second cut



Barcode	Angle	A
619345	100	4
619346	150	6
612959	200	8
612960	250	10
612961	300	12

765HB

Square file with handle, bastard

- material: carbon tool steel
- all files has second cut

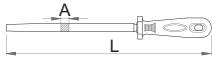


Barcode	Angle	L	A
619339	100	190	4
619340	150	240	6
613029	200	325	8
613030	250	375	10
613031	300	425	12

765H1/2S

Square file with handle, half smooth

- material: carbon tool steel
- all files has second cut

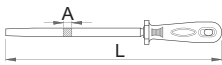


Barcode	↙	L	A
619343	100	190	4
619344	150	240	6
613032	200	325	8
613033	250	375	10
613034	300	425	12

765HS

Square file with handle, smooth

- material: carbon tool steel
- all files has second cut

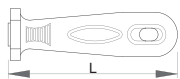


Barcode	↙	L	A
619347	100	190	4
619348	150	240	6
613035	200	325	8
613036	250	375	10
613037	300	425	12

766B

Handle for files 763, 764, 765, 769

- ergonomic heavy duty double component handle



Barcode	↙	L
612962	200	115

766C

Handle for files 760, 761, 767, 768

- ergonomic heavy duty double component handle

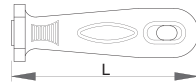


Barcode	↙	L
612963	200	115

766D

Handle for files 763, 764, 765, 769

- ergonomic heavy duty double component handle

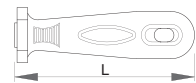


Barcode	↙	↙	L
612964	250	300	115

766E

Handle for files 760, 761, 767, 768

- ergonomic heavy duty double component handle

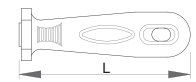


Barcode	↙	L
612965	250	115

766F

Handle for files 760, 761, 767, 768

- ergonomic heavy duty double component handle



Barcode	↙	L
612966	300	115

767 1/2S

Flat rasp, half smooth

- material: carbon tool steel

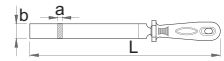


Barcode	↙	a x b
619772	150	5 x 16
612967	200	5 x 20
612968	250	7 x 26
612969	300	8 x 30

767H1/2S

Flat rasp with handle, half smooth

- material: carbon tool steel



Barcode	↙	L	a x b
619773	150	240	5 x 16
613038	200	325	5 x 20
613039	250	375	7 x 26
613040	300	425	8 x 30

768 1/2S

Half-round rasp, half smooth

- material: carbon tool steel

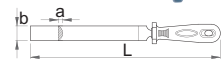


Barcode	↙	a x b
619774	150	5 x 16
612970	200	7 x 21
612971	250	8 x 24
612972	300	9 x 28

768H1/2S

Half-round rasp with handle, half smooth

- material: carbon tool steel

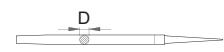


Barcode	↙	L	a x b
619775	150	240	5 x 16
613041	200	325	7 x 21
613042	250	375	8 x 24
613043	300	425	9 x 28

769 1/2S

Round rasp, half smooth

- material: carbon tool steel

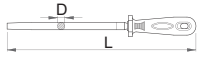


Barcode	↙	D
619776	150	6
612973	200	8
612974	250	10
612975	300	12

769H1/2S

Round rasp with handle, half smooth

- material: carbon tool steel

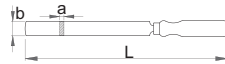


Barcode	↙	L	D
619777	150	240	6
613044	200	325	8
613045	250	375	10
613046	300	425	12

777/6A

Flat scraper

- material: carbon tool steel
- blade ground, shank blue lacquered
- wooden handle

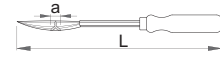


Barcode	↙	a x b	L
612227	150	5 x 20	255
612228	200	5 x 20	325
612229	250	6 x 20	370

777/6C

Triangular spoon scraper

- material: carbon tool steel
- blade ground, shank blue lacquered
- wooden handle



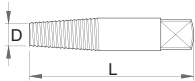
Barcode	↙	A	L
612233	150	8	255
612234	200	8	325
612235	250	8	370



778/4

Screw extractor

- for unscrewing ruined screws and threaded bolts without damaging threads
- material: chrome vanadium
- entirely hardened and tempered
- blacken



Barcode	Nº	D	■	L	mm	mm
616812	1	1.75	3.6	50	M3 - M6	2.5
616813	2	2.2	5.0	57	M6 - M8	3.0
616814	3	3.3	6.5	64	M8 - M11	4.5
616815	4	4.75	8.8	71	M11 - M14	6.0
616816	5	6.35	11.0	78	M14 - M18	8.0
616817	6	9.50	15.0	85	M18 - M24	11
616818	7	12.70	19.0	92	M24 - M33	13.5
616819	8	17.50	24.0	100	M33 - M45	18.5

778/4PB

Screw extractors set

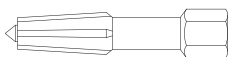


Barcode	Nº	↙
616820	778/4PB	1 - 5 / 5
	778/4	(1, 2, 3, 4, 5)
616821	778/4PB	1 - 6 / 6
	778/4	(1, 2, 3, 4, 5, 6)
616822	778/4PB	1 - 8 / 8
	778/4	(1, 2, 3, 4, 5, 6, 7, 8)

778/4A

Double-edged screw extractor

- for unscrewing ruined screws and threaded bolts without damaging threads
- applicable for both right- and left-hand threads
- extractor being driven into the bore hole for firm and safe hold
- with centre punch pin
- non-slip and double-edged engagement with the screw or bolt to be removed
- material: chrome vanadium
- entirely hardened and tempered
- blacken
- cutting edges polished



Barcode	Nº	mm	mm	mm
616823	1	6.35 (1/4")	M5 - M6	3.2 - 4.8
616824	2	9.5 (3/8)	M8 - M10	4.8 - 7.1
616825	3	12.7 (1/2")	M10 - M12	6.4 - 9.5
616826	4	15.9 (5/8")	M12 - M16	8.7 - 12.7
616827	5	19.0 (3/6")	M16 - M20	11.1 - 15.9
616828	6	22.0 (7/8")	M20 - M24	14.0 - 19.1
616829	7	25.4 (1")	M24 - M33	19.1 - 23.8

778/4APB

Double-edged screw extractors set



Barcode	Nº	↙
616830	778/4APB	1 - 5 / 5
	778/4A	(1, 2, 3, 4, 5)