



Torque wrenches

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262

Dial torque wrench 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!

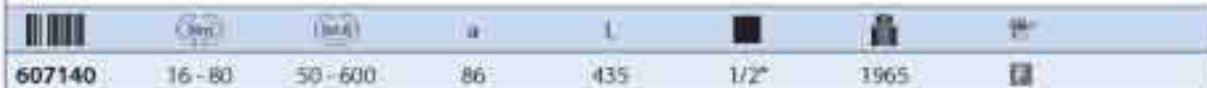
- The default calibration interval of the torque wrench is 12 months or 5.000 measurements from the date of end user purchase.
- ALWAYS set the measuring mechanism to starting point, at the end of work.
- When the requested torque are reached, please do not tight any more.
- Torque wrench can be damaged, if manual instructions are not considered.

1/2"



FEATURES OF

260, 262



263B

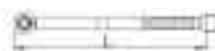
Slipper torque wrench 1/2"

1/2

- Accuracy: +/-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, 7Teeth 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	(psi)	(bar)	L	Weight	Capacity	Accessories
620109	8 - 50	8 - 35	290	1/2"	615	☑

263A

Slipper torque wrench 1/2"

1/2

- Accuracy: +/-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	(psi)	(bar)	L	Weight	Capacity	Accessories
620110	30 - 150	20 - 110	455	1/2"	1300	☑
620111	50 - 250	40 - 185	560	1/2"	1645	☑

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	(psi)	(bar)	L	Weight	Capacity	Accessories
607948	60 - 330	45 - 250	675	1/2"	1710	☑

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!

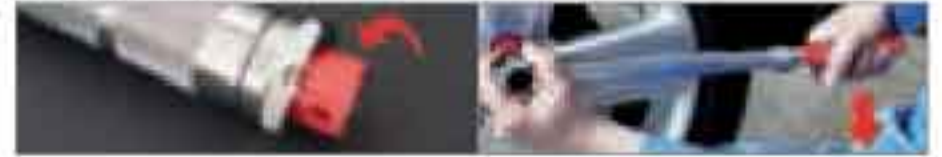
- Do not use torque wrench for untightening!
- Torque tightens only in the direction showed on the key sticker! Sticker shows the proper direction of tightening!
- The default calibration interval of the torque wrench is 12 months or 5.000 measurements from the date of end user purchase.
- ALWAYS set 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)	Range (kgm)	L	Weight	Icon
615485	1/4"	2 - 24	275	686	Icon	
615486	3/8"	5 - 110	306	1100	Icon	
615487	1/2"	28 - 210	450	1680	Icon	
615488	1/2"	35 - 350	635	2930	Icon	
615489	3/4"	70 - 560	850	5600	Icon	
615490	3/4"	140 - 700	1060	8200	Icon	
615491	1"	140 - 980	1120	8800	Icon	

265

Industrial torque wrench 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

Important!

- Do not use torque wrench for untightening!
- 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 (kgm)	L	Weight	Icon
616801	3/4"	150 - 700	100 - 500	1090 - 9000	Icon	
616802	3/4"	200 - 800	150 - 600	1140 - 9200	Icon	
616803	3/4"	300 - 1000	200 - 750	1470 - 7400	Icon	

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	Angle	mm	Color	L	Weight	Icon
618915	90	66.4	Black	400	1340	Icon
618916	100	73.7	Yellow	400	1335	Icon
618917	110	81.1	Grey	400	1335	Icon
618918	120	88.5	Red	400	1335	Icon
618919	130	95.9	Blue	400	1335	Icon

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.
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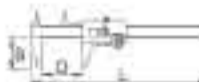


Barcode	Angle	mm	Color	L	Weight	Icon
618920	400	295	Green	950	4650	Icon
618921	450	332	Purple	950	4650	Icon
618922	500	369	Brown	950	4680	Icon
618923	550	406	Light Blue	950	4665	Icon
618924	600	442	Orange	950	4670	Icon

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	Icon
619881	0-150	40	235	460	Icon

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	Icon
612035	0-150	40	235	240	Icon

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	



710P

Measuring tape

- plastic double component casing
- with stop and clip



	m	ft	d		
612131	2	0	16	113	
612132	3	0	16	140	
612133	5	0	19	230	
612134	8	0	25	441	
612135	10	0	25	470	
612784	2	6	16	114	
612785	3	10	16	142	
612786	5	16	19	230	
612787	8	26	25	442	
612788	10	33	25	470	

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.



						D	A	C	H		
616804	1300	960	5:1	1/2" (32mm)	3/4"	108	126	210	180	7000	
616805	2700	2000	5:1	3/4" (36mm)	1"	108	128	210	186	7000	

710R

Measuring tape

- plastic double component casing
- with stop and clip



Barcode	m	ft	d	W	W
612789	2	0	16	113	☒
612790	3	0	16	140	☒
612791	5	0	19	230	☒
612792	8	0	25	441	☒
612793	2	6	16	113	☒
612794	3	10	16	140	☒
612795	5	16	19	230	☒
612796	8	26	25	441	☒

710W

Folding rule

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



Barcode	m	d	W	W
609365	2	16	125	☒

714

Long measuring tape

- plastic double component casing
- acrylic coated steel tape enable long life
- 6 times speed of tape rewind against handle turns



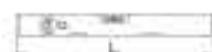
Barcode	m	d	W	W
621525	50	13	1100	☒



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



Barcode	L	W	W
610716	300	220	☒
610717	400	270	☒
610718	500	340	☒
610719	600	380	☒
610720	800	510	☒
610721	1000	600	☒
610722	1200	680	☒
610723	1500	900	☒
610724	2000	1200	☒

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	W	H
610725	400	530	22
610726	500	580	22
610727	600	640	22
610728	800	820	22
610729	1000	1080	22

1253

Torpedo spirit level

- casing made from alloy Si12
- with 2 vials
- with milled measuring surface
- Accuracy: 0,5mm/m



Barcode	L	W	H
617699	300	336	22
617700	400	435	22
617701	500	534	22
617702	600	640	22



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	W	H
618874	300	326	22
618875	400	414	22
618876	500	503	22
618877	600	591	22
618878	800	766	22
618879	1000	940	22
618880	1200	1118	22
618881	1500	1389	22
618882	1800	1644	22
618883	2000	1806	22
618884	2500	2257	22

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	W	H
618885	600	572	22
618886	800	748	22
618887	1000	924	22
618888	1200	1098	22
618889	1500	1365	22
618890	1800	1626	22
618891	2000	2020	22
618892	2500	2232	22

1260/7

Try square

- material: constructional steel
- measuring faces are finely ground
- accurate: $0,01425^\circ = 0,25\text{mm/m}$



Barcode	L1	L2	A	Weight	Material
610730	125	85	5	140	Steel
610731	150	100	5	205	Steel
610732	200	130	5	385	Steel
610733	250	165	5	500	Steel
610734	300	200	5	575	Steel

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



Barcode	L1	L2	A	Weight	Material
610736	150	100	5	205	Steel
610738	250	165	5	500	Steel
610739	300	200	5	575	Steel

1262/5

Mason's squares

- material: constructional steel
- surface finish: zinc plated
- accurate: $\pm 0,0285^\circ = 0,5\text{mm/m}$



Barcode	L1	L2	A	Weight	Material
610740	125	85	5	140	Steel
610741	150	100	5	205	Steel



Barcode	L1	L2	A	Weight	Material
610742	200	130	5	385	Steel
610743	250	160	5	500	Steel
610744	300	175	5	470	Steel

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



Barcode	L1	L2	A	Weight	Material
617154	125	85	5	140	Steel
617155	150	100	5	205	Steel
617156	200	130	5	385	Steel
617157	250	160	5	500	Steel
617158	300	175	5	470	Steel

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: $0,5\text{mm/m}$



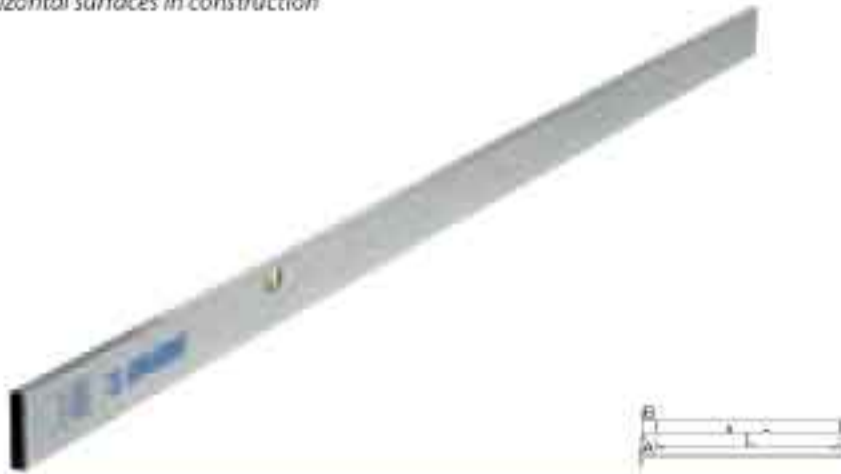
Barcode	L1	L2	Weight	Material
617693	250	135	205	Steel
617694	300	135	225	Steel
617695	350	190	300	Steel
617696	400	190	315	Steel
617697	500	210	370	Steel



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	Symbol
610745	⌚	2000	100	18	1800	☑
610746	⌚	2500	100	18	2300	☑
610747	⌚	3000	100	18	2700	☑
610748	⌚	4000	100	18	3600	☑

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	Symbol
610751	1000	100	18	900	☑
610752	1500	100	18	1350	☑
610753	2000	100	18	1800	☑
610754	2500	100	18	2300	☑
610755	3000	100	18	2700	☑
610756	4000	100	18	3600	☑

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	Symbol
617692	150	34	☑

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	Symbol
617703	400	262	☑
617704	500	321	☑
617705	600	386	☑
617706	800	510	☑
617707	1000	641	☑

1290/S

Plumb

- made from quality steel
- with 4 meter long string



Barcode	Weight	Symbol
617725	170	☑

1299

Carpenter's pencil - set 10 pieces

- made from quality wood
- graphite hardness HB



Barcode	L	Weight	Symbol
617724	180	7	☑



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.



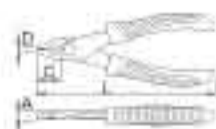
Durability

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



Barcode	L	B	C	A	Weight	Temp
620069	120	13.6	15.8	8.2	90	☑

cutting capacity (10N=1kg)

Barcode	L	Temp	Weight
620069	120	max 750 N/mm ² T0	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



Barcode	L	B	C	A	Weight	Temp
620071	110	16.6	8.1	13.2	94	☑

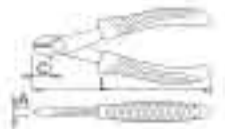
cutting capacity (10N=1kg)

Barcode	L	Temp	Weight
620071	110	max 750 N/mm ² T0	1,5

461/4E

Electronic side cutter

- material: special tool steel
- drop forged, entirely hardened and tempered
- heavy duty double - component handles



Barcode	L	B	A	C	Weight	Temp
620072	115	13	8.2	13.5	95	☑

cutting capacity (10N=1kg)

Barcode	L	Temp	Weight
620072	115	max 750 N/mm ² T0	1,5



Pliers

294 - 296



Screwdrivers - flat

296



Screwdrivers - crosstip

296



Screwdrivers with TX profile

296



Screwdrivers PZ and socket

296



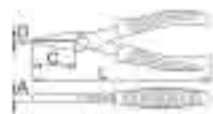
Sets

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	105	135	32.5	8.2	105
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506/4E

Electronic long nose pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- heavy duty double - component handles

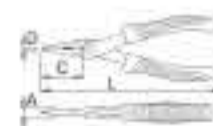


620073	L	B	D	A	99	140	12.6	3.2	2.4	41.8
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508/4E

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	90	135	12.6	3.2	2.4	32.5
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cutting capacity (10N=1kg)

620074	L	1.5
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FEATURES OF

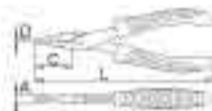
508/4E



512/4E

Electronic long nose pliers, bent

- material: special tool steel
- drop forged, entirely hardened and tempered
- heavy duty double - component handles

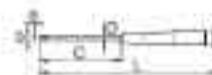


Barcode	L	B	D	A	Weight	Material
620075	140	12.6	3.2	8.2	97	Steel

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	Weight	Material
608296	0.25 x 1.2	60	153	2.5	10	Steel
608297	0.23 x 1.5	60	153	2.5	11	Steel
608298	0.3 x 1.8	60	153	2.5	12	Steel
608299	0.4 x 2.5	75	168	2.5	12	Steel
608300	0.5 x 3.0	100	193	3	13	Steel
608301	0.5 x 3.0	150	243	3	18	Steel
608302	0.8 x 4.0	100	193	4	23	Steel
608303	0.8 x 4.0	150	243	4	28	Steel

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	+	C	L	D	Weight	Material
608304	PH 000	60	153	2.5	12	Steel
608305	PH 00	60	153	2.5	12	Steel
608306	PH 0	60	153	3	14	Steel
608307	PH 1	80	173	4.5	22	Steel

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	*	C	L	D	Weight	Material
604546	TX 4	60	153	3	12	Steel
604547	TX 5	60	153	3	12	Steel
608310	TX 6	60	153	3	13	Steel
608311	TX 7	60	153	3	14	Steel
608312	TX 8	60	153	3	12	Steel
608313	TX 9	60	153	3	15	Steel
608314	TX 10	60	153	3	14	Steel
608315	TX 15	60	153	3.5	17	Steel
608316	TX 20	80	173	4	19	Steel

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

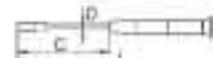


Barcode	+	C	L	D	Weight	Material
608308	PZ 0	60	153	3	13	Steel
608309	PZ 1	80	173	4.5	26	Steel

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	⊖	C	L	D	Weight	Material
618903	2.5	60	153	4.5	21	Steel
618904	3	60	153	4.5	23	Steel
618905	3.2	60	153	4.5	24	Steel
618906	3.5	60	153	4.5	25	Steel
618907	4	60	153	4.5	27	Steel
618908	5	60	153	4.5	29	Steel
618909	5.5	60	153	4.5	28	Steel

403A

Set of electronic pliers in bag



Barcode	No	Weight	Material	
620212	403A	6	713	Steel
<ul style="list-style-type: none"> 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	Weight	Volume
620960	607CS7E	7	170	☒
———— 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	Weight	Volume
620963	403B	3	350	☒
———— 406/4E (120), ———— 461/4E (115), ———— 508/4E (135)				

608CS5E

Set of electronic screwdrivers in carton box **+ +**



Barcode	Nº	Hand	Weight	Volume
620962	608CS5E	5	133	☒
———— 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	Weight	Volume
620961	621CS7E	TX 6 - TX 20 / 7	166	☒
———— 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	Weight	Volume
621692	403C	11	975	☒
———— 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	Weight	Volume
620959	606CS5E	5	131	☒
———— 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	Weight	Volume
609953	607S50E	50	1600	☒
———— 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)				





Surface protection

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



Ergonomic handle

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



High precision

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



Effortless usage

Special, completely adopted to particular use, requiring no unnecessary effort!

2076/1

Roller-type stud extractor

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- polished
- roller system grips on to stud, in both directions
- easy extraction of studs

Usage:

1. Position roller-type stud extractor on stud
2. START turning stud extractor COUNTER CLOCK wise
3. When stud removed, simply pull down stud extractor

Important:

- Do not use roller-type stud extractor for tightening!
- Studs are screws without a surface that can be

gripped, which prevents their removal without damaging them. This tool is intended to do exactly that – removing studs without damaging the threads. The tool works through a system of three rollers that grip the stud at three points during removal, removing the stud without damaging it. The three rollers have no sharp edges, enabling removal without causing damage as they.

• Despite this, the tool can work in both directions. Tightening with the tool is not recommended though as the increased force in tightening could damage the system of rollers, which are dimensioned solely for loosening.



Barcode	Part No.	L	D	⊖	⊕	⊙	⊠	⊡
619238	M 5	60	21.5	19	3/8"	-	133	☑
619239	M 6	60	23.5	21	1/2"	-	134	☑
619240	M 7	60	23.5	21	1/2"	-	131	☑
619241	M 8	60	23.5	21	1/2"	-	128	☑
619242	M 10	69	27.5	21	1/2"	-	186	☑
619243	M 12	69	27.5	21	1/2"	-	190	☑
619244	M 14	72	34.3	21	-	16	271	☑
619245	R 1/4"	60	23.5	21	1/2"	-	133	☑
619246	R 5/16"	60	23.5	21	1/2"	-	129	☑
619247	R 3/8"	69	27.5	21	1/2"	-	188	☑
619248	R 7/16"	69	27.5	21	1/2"	-	187	☑
619249	R 1/2"	72	34.3	21	-	16	275	☑



Tool for maintenance

298 - 304



Tools for lubrication and filtration

304 - 307



Bodywork tools

307 - 314



Tools for wheels, steering and hubs

314 - 320



Suspension and transmission tools

320 - 321



Auto electricity tools

321 - 329



Tools for engine

329 - 334



SOS tools set

334 - 335

2077/2BI

Spring clip pliers

- material: special tool steel
- material pivoting tip: special carbon tool steel
- fits most standard sized clamps
- for hose clips on cooling, heating, fuel or screen-washer systems
- position lock makes it easy to replace hose clamps
- surface finish: chrome plated to standard EN12540
- tips black finish
- heavy duty double - component handles
- jet stamp UNIOR
- Pliers for are used for opening the tube clamps, enabling quick and safe removal of tubes from tube prolongations. They are also used for closing the tube clamps when tubes are attached to tube prolongations to prevent tubes from falling off the prolongations and

thus ensuring safe movement of fluids.

- The pliers have been designed in such a way so that only a minimum force is sufficient to create large pressure upon the clamp, ensuring safe and durable connection of the tube to the tube prolongation. The pliers have been shaped in such a way so that they can be efficiently used at places which are difficult to access, thus enabling quick and easy handling.
- Firm and safe grip is ensured by the ergonomic shape of the handles.

Use for:

- Alfa Romeo, Audi, Citroen, Fiat, Ford, Hyundai, Lancia, MAN, Mercedes, Opel/Vauxhall, Peugeot, Porsche, Renault, Seat, Toyota, VW, Volvo, etc.



619250

L

235

301

301

E

E



2078/2BI

Slothholder pliers for OETIKER® collars

- material: special tool steel
- for automotive pressed axlecuffs OETIKER®
- exact deformation of the axlecuff ear
- longer, for easy deformation of axlecuff ears
- for almost all passenger cars
- heavy duty double - component handles
- jet stamp UNIOR
- Pliers for are used for opening the tube clamps, enabling quick and safe removal of tubes from tube prolongations. They are also used for closing the tube clamps when tubes are attached to tube prolongations to prevent tubes from falling off the prolongations and thus ensuring safe movement of fluids. The pliers have been designed in such a way so that only a minimum force is sufficient to create large pressure upon the clamp, ensuring safe and durable connection of the tube to the tube prolongation. The pliers have been shaped in such a way so that they can be efficiently used at places which are difficult to access, thus enabling quick and easy handling. Firm and safe grip is ensured by the ergonomic shape of the handles.

Use for:

- Audi, BMW, Chrysler, Ford, GM, Honda, Mazda, Mercedes, Nissan, Opel/Vauxhall, VW



	L		
619251	230	316	☐

2079/2BI

Quick coupler pliers for fuel pipes

- material: special tool steel
- for disconnecting fuel pipes
- spring for reopening
- surface finish: chrome plated to standard EN12540
- tips black finish
- heavy duty double - component handles
- jet stamp UNIOR
- This tool is used for the removal of the quick couplers that connect fuel lines. The tool has two hardened pins in the jaws that compress the couplers during removal or repair (the hose can then be removed). The jaw is dimensioned and adjusted to enable safe and easy work with great force in a limited space.

Use for:

- Opel/Vauxhall, Fiat, GM, VW, Renault etc.



	L		
619252	206	264	☐

2080/2BI

CLIC® collar pliers

- material: special tool steel
- to remove and reassemble CLIC spring-clips
- separating and closing with 180° invert of the pliers
- surface finish: chrome plated to standard EN12540
- heavy duty double - component handles
- jet stamp UNIOR
- Pliers for are used for opening the tube clamps, enabling quick and safe removal of tubes from tube prolongations. They are also used for closing the tube clamps when tubes are attached to tube prolongations to prevent tubes from falling off

the prolongations and thus ensuring safe movement of fluids. The pliers have been designed in such a way so that only a minimum force is sufficient to create large pressure upon the clamp, ensuring safe and durable connection of the tube to the tube prolongation. The pliers have been shaped in such a way so that they can be efficiently used at places which are difficult to access, thus enabling quick and easy handling. Firm and safe grip is ensured by the ergonomic shape of the handles.

Use for:

- Audi, Citroen, Fiat, Mercedes, Opel/Vauxhall, Peugeot, Renault, VW



	L		
619253	190	244	☐

2081/3

Grip hose clamp pliers for stopping the flow of fluids

- material: jaws – special carbon steel.
- handles made from sheet metal
- used for the stopping of the flow of oil, gasoline...
- jaws are free of sharp edges, so that sensitive hoses do not sustain damage.
- plastic moulded T handle enables improved grip for the user.
- fast and simple stoppage of the flow of fuel and other liquids.
- universal locking mechanism.
- The tool for stopping the flow of fluids is an indispensable tool when changing various automotive parts connected with liquid-bearing hoses.
- The tool's main function is the stoppage of the flow of various fluids in soft hoses so that a mechanic can replace a certain car part without interruptions or worrying over a potential spillage.
- The tool can be used on soft hoses in cars, trucks, farming machines as well as various nautical vessels, however, the hose diameter may not exceed 55 mm at any time, as in that case the stoppage of the flow is not guaranteed.



	L			
619254	285	55	611	

2082.1

Spare chain for item 2082/3

- material cutters: alloy steel

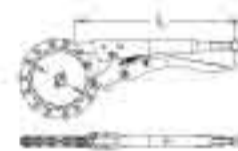


	L		
619256	305	184	

2082/3

Grip Pliers for cutting exhaust pipes

- material: jaws – special carbon steel.
- handles made from sheet metal
- used for cutting exhaust pipes in partial replacements of exhaust systems.
- Cutting capacity: 25–85 mm.
- the plastic-coated T-handle provides better grip for the user.
- universal locking mechanism.
- very long cutting chain.
- This tool is primarily intended for cutting exhaust pipes but, due to the design of its cutting chain and blades, it can also be used for copper pipe, plastic pipe and various other pipes with diameters between 25 and 85 mm.
- The tool is safe and easy to use due to accessories such as:
 - a longer cutting chain enabling you to cut pipes with diameters of up to 85 mm;
 - larger cutting blades, enabling you to cut steel tube up to 3 mm thick, brass tube up to 4 mm thick, PVC tube up to 5 mm thick;
 - a plastic-coated T-handle that decreases the amount of force necessary to use the tool, enhances grip and prevents slipping;
 - a universal locking mechanism that keeps the tool in position until you release the locking mechanism and stop cutting.
- The cutting chain is subject to wear, which is why we are offering it as a spare part (art. 2082.1).

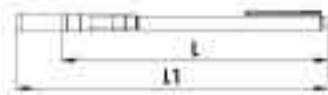


	L	$\varnothing 1$	$\varnothing 2$		
619255	330	25	85	765	

2083

Telescopic magnetic pick-up tool with light

- for lifting nuts, bolts, screws
- batteries protected against humidity
- included in the set: 3 LR41 batteries
- with light, for dark places between the machine parts
- This tool is intended for picking up small metal objects. It has a special light that activates automatically upon being extended from its housing. It is useful for partly unlit spaces such as the inside of engines. When no longer needed, simply fold back the tool and the light will immediately deactivate. The tool has a fastener.



	L	L1			
619741	170	660	0.5	55	

2084

Professional auto inspection set

- with long life LED light
- available in durable plastic bag
- the magnet's lifting capacity: 3.5 kg
- included in the set: 1 round mirror Ø60, 1 angular mirror (65 x 42 mm), 2 bits attachments, 3 L1154F batteries, 1 bag with the SOS tool tray
- In addition to the LED light, this set includes additional mirrors to facilitate viewing of difficult-to-reach areas inside the car, making this a very useful set. The tools are also intended for lifting small metal objects such as screws, nuts, etc. The set comes in an attractive and durable bag. Individual tools have been placed in the SOS tool tray to make them easier to find.



	A	B	H	L1			
619742	240	110	45	650	3.5	360	

2085

Claw pick-up tool

- for lifting small specially non-metallic parts like bolts, nuts, screws
- This adjustable tool is easy to navigate through difficult-to-reach areas. To enable quick and reliable gripping of objects, it has three claws that extend or return to their original position upon pressing or releasing the button, respectively.

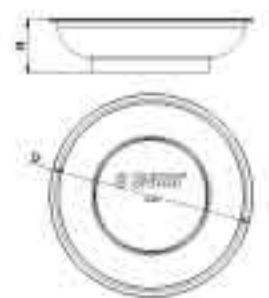


	L	Ø		
619883	510	15	150	

2086

Magnetic tray

- Material: stainless steel, corrosion resistant
- powerful permanent magnet cover with protective rubber foot
- can be used in any position
- keeps parts and tools right where you need them
- for usage in garage, engine, household work
- holds any small nuts, bolts and steel parts
- With its powerful rubber-protected magnet, this magnetic tray is suitable for practically all industrial applications ranging from car repair shops to everywhere where it can be attached to a metal surface. It can be used in all positions - the magnet is so powerful that the tray can even be fitted upside-down. The tray is intended for protecting screws, nuts and the like against being misplaced, and for storing them in a central location to minimise the time needed to find a specific item.



	D	H		
619728	150	40	3	387



2087

Flexible pick up tool with magnet

- The flexible magnetic pickup is designed to collect metal objects from hard to reach spots.
- It features a flexible stem with a strongly magnetic tip.
- The magnet is capable of lifting metal objects of up to 1 kg.
- The tool is fitted with an ergonomically designed handle, ensuring easy and efficient operation.



619929	1	127	

2089/2BI

Automatic Spring Clip Pliers

- material: special tool steel
- material pivoting tip: special carbon tool steel
- fits most standard size clamps
- for hose clips on cooling, heating, fuel or screen-washer systems
- position lock makes it easy to replace hose clamps
- surface finish: chrome plated to standard EN12540
- heavy duty double - component handles
- The pliers are used for opening tube spring clips used on cooling and heating systems which enables quick and safe removal of tubes from tube extensions. Suitable for spring clips with a grip ranging from 18 to 54 mm. The 600 mm long Bowden cable enables efficient use in hard to reach places where clips cannot be reached with other pliers. The pliers include a toothed blocker with 8 positions for opening clips or fastening them in a custom position which makes the removal of clips easier and with no additional force necessary. The handles are designed so that when the pliers' jaws are open the widest they are easy to squeeze with as little force as possible.

Used for:

- Alfa Romeo, Audi, Citroen, Fiat, Ford, Hyundai, Lancia, MAN, Mercedes, Opel/ Vauxhall, Peugeot, Porsche, Renault, Seat, Toyota, VW, Volvo, etc.



	L	LI		
620234	230	600	415	



2091

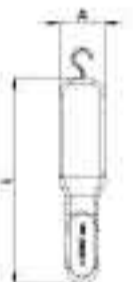
LED light

- with 26 LED lamps (21 in front and 5 on top)
- 21 LED can be switch on between 4 and 5 hours, 5 LED on top 13 hours
- with two adjustable hangers
- with three magnets
- simple light angle adjustment from 0 to 180°
- made from user friendly plastic material
- with two adapters (12/24V in 100-240 V)
- magnet in bottom carries complete weight of LED light
- Li-Ion battery



= 13 h

UL RoHS

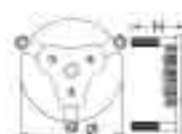


	L	A		
620237	250	55	512	5

1976/2

Adjustable oil-filter wrench

- material gripping arms: carbon tool steel
- removes all type of oil filters from 60 to 120 mm diameter
- arms are ribbed, for better gripping oil filters
- for assembling or disassembling oil filters
- used with ratchet 3/8" and proper extension bar
- As car repair shops usually need to replace various types of oil filters, we have developed a tool that can be used on the majority of standard ones.
- When used, the tool conforms to the filter as tightening it makes it grip the filter. The tool can be used on all filters with diameters ranging from 60 to 120 mm.
- Because of the limited space during changing, the tool is sized and adjusted to require as little space as possible. The hooks are ribbed to make them suitable for filters without an edge to allow gripping and which would be difficult to replace with conventional methods.
- The tool works in both directions and thus allows both the tightening and loosening of oil filters, as it adjusts and utilises the effort invested optimally in both cases.



	Ø1	Ø2	Ø3	H		
619257	60	120	3/8"	60	635	5

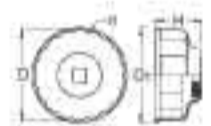
1977/6

Oil-filter wrench

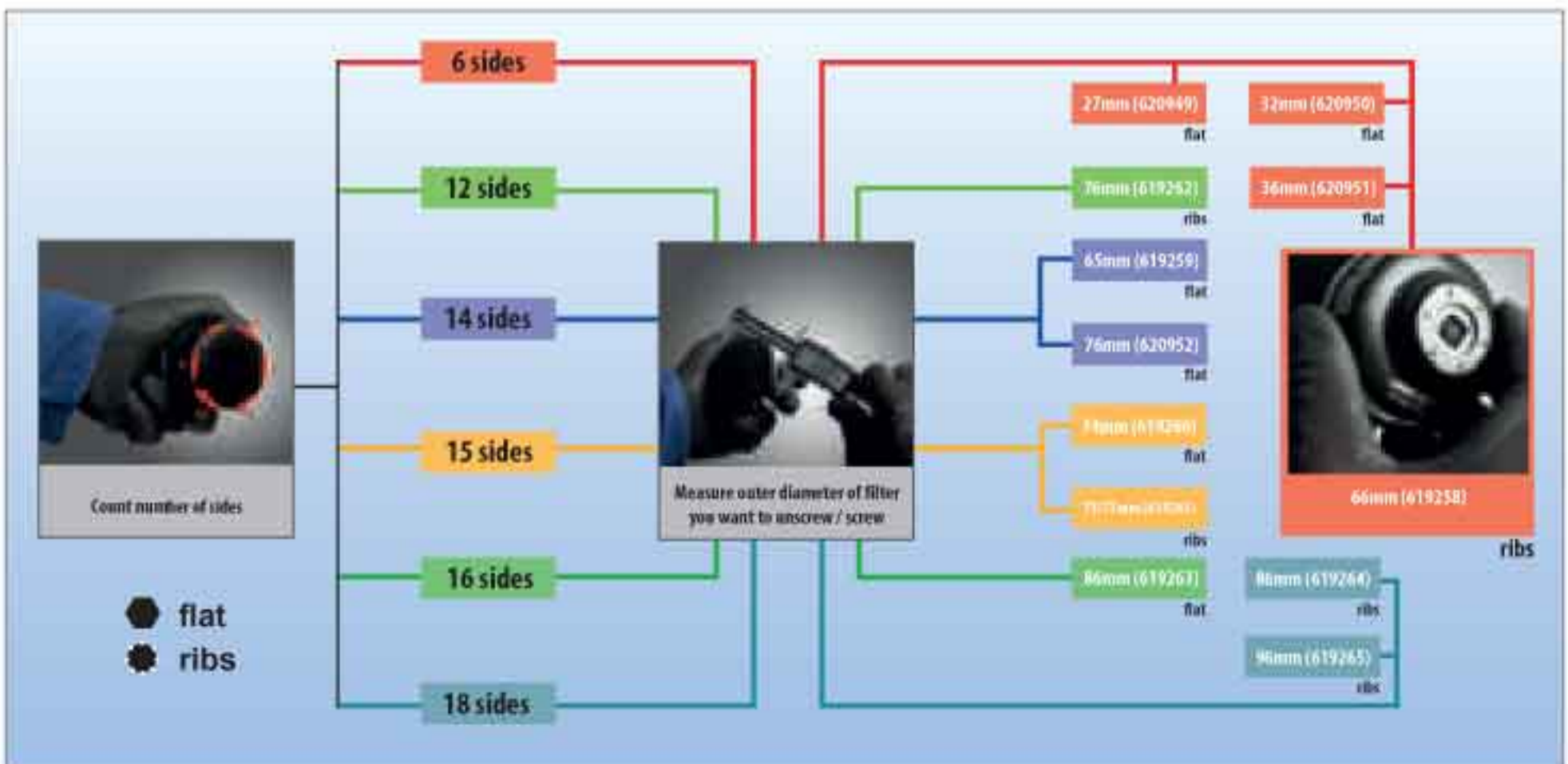
- used with ratchet 3/8" and proper extension bar
- for assembling or disassembling oil filters
- for oil filters in restricted access area
- coated with electro-black oxide finish for rust protection
- This tool comes in as many as 8 sizes, which can be used on the majority of

standard car oil filters on the market. Using it is simple as all that is needed is to place the appropriate tool on the filter and rotate it with ease.

- The tool can also be used when fitting oil filters as the design and material have been carefully selected so that the tool can withstand the maximum force applied to it. Because of the surface protection, the tool is highly resistant to scratches and damage as well as to atmospheric and chemical effects.



Barcode	D	360°/n	D1	H	Weight	Material
620949	27	6	37.5	33.5	68	Al
620950	32	6	43.5	34.6	81	Al
620951	36	6	48.4	34.9	89	Al
619258	66	6	73	37	124	Al
619259	65	14	70.7	36.8	129	Al
619260	74	15	81	36	146	Al
619261	75-77	15	81.4	41.8	165	Al
619262	76	12	82	35	137	Al
620952	76	14	81.3	37	160	Al
619263	86	16	96	47.2	201	Al
619264	86	18	92	39.5	171	Al
619265	96	18	102	36.8	190	Al



1977PB12

Set of oil-filter wrenches in plastic box

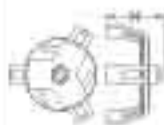


Barcode	Nº	Quantity	Weight	Icon
622702	1977PB12	12	2300	☑
© 1977/6 (27 x 6, 32 x 6, 36 x 6, 66 x 6, 65 x 14, 74 x 15, 75 - 77 x 15, 76 x 12, 76 x 14, 86 x 16, 86 x 18, 96 x 18)				

1978/2

Wrench for reservoir

- material arms: carbon tool steel
- for removing plastic fuel tank nut
- quick gripping of fuel tank nut
- use with socket or wrench dimension 22
- for assembling or disassembling
- This tool has three removable hooks that grip the fuel tank cap firmly so it does not move. As access to this cap is usually difficult when making replacements, the tool is constructed so that it requires minimum space.
- Simply place the tool on the cap and rotate in the appropriate direction. The tool adapts to the cap itself and the cap can then be removed very quickly. The replacement of the cap is also straightforward.
- This tool ensures safe work and a long service life.



Barcode	D1	D2	Ø	H	Weight	Icon
619266	120	155	22	73	670	☑

175/2

Wrench for oil drain plugs

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

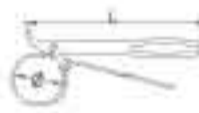


Barcode	Size	L1	L2	D	Weight	Icon
605112	8 x 10	203	169	10	305	☑

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	Icon
601024	220	60	140	225	☑

205.1

Strap for 205/2

- strap from rubberized cloth



Barcode	Weight	Icon
602841	62	☑

206/2

Chain wrench

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



Barcode	L	Ø ₁	Ø _F	Weight	Icon
601025	220	60	140	330	Icon

206.1

Chain for 206/2


Barcode	L	Weight	Icon
620938	500	150	Icon

1980

Optical tester in plastic box


Barcode	Weight	Icon
621403	315	Icon

1900

Auto body repair tool set


Barcode	Nº	Weight	Weight	Icon
619226	1900	6	7200	Icon
	1923 (86), 1925 (113), 1927 (121), 1929 (236), 1934 (325), 1936 (325)			

1901

Auto body repair tool set


Barcode	Nº	Weight	Weight	Icon
619227	1901	7	7270	Icon
	1932 (325), 1934 (325), 1936 (325), 1924 (76), 1925 (133), 1926 (79), 1927 (121)			

1910

Curved dolly

- material: special tool steel
- head polished: mirror polished.



619206	80	74	58	70	1573	
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1913

Light dinging spoon

- material: special tool steel
- head polished: mirror polished.



619209	250	110	48	51.5	382	
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1917

Double blade spoon

- material: special tool steel
- head polished: mirror polished



619213	171	58.5	401	1747	
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1911

Anvil dolly

- material: special tool steel
- head polished: mirror polished



619207	102	72	62	1444	
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1914

Double end round dolly

- material: special tool steel
- head polished: mirror polished



619210	56	56	58	756	
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1915

Large end dolly

- material: special tool steel
- head polished: mirror polished

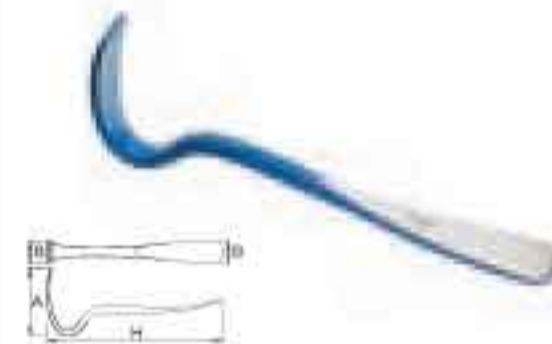


619211	90	70	39.9	38.2	125	1434	
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1918

Double blade spoon

- material: special tool steel
- head polished: mirror polished



619214	179	59	510	2408	
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1919

Flat spoon

- material: special tool steel
- head polished: mirror polished



619215	266	51	68.5	839	
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1912

Round peen end dolly

- material: special tool steel
- head polished: mirror polished

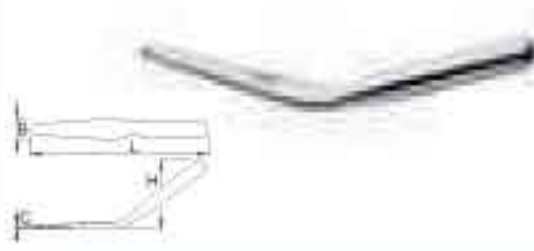


619208	54	44	425	759	
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1916

Flat spoon

- material: special tool steel
- head polished: mirror polished



619212	250	29.5	4	99	589	
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1920

Angle dolly

- material: special tool steel
- head polished: mirror polished



619216	109	59	17	634	
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1921
Thin doe dolly
 • material: special tool steel
 • head polished: mirror polished



619217	A	B	H	Weight	Icon
118	55	24	950		

1925
Curved dolly
 • material: special tool steel
 • head polished: mirror polished



619221	A	B	H	Weight	Icon
133	58.5	45	1175		

1928
Shrinking dolly
 • material: special tool steel
 • head polished: mirror polished



619224	A	B	H	Weight	Icon
122	59.5	25.5	1289		

1922
Grid dolly
 • material: special tool steel
 • head polished: mirror polished



619218	A	B	H	Weight	Icon
122	59.5	30	1378		

1926
Heel dolly
 • material: special tool steel
 • head polished: mirror polished



619222	A	B	H	Weight	Icon
79	30	61	899		

1929
Drip moulding spoon
 • material: special tool steel
 • head polished: mirror polished



619225	L	B	H	Weight	Icon
236	49	70	1223		

1923
Double end hand dolly
 • material: special tool steel
 • head polished: mirror polished




619219	A1	B1	A2	B2	H	Weight	Icon
86	61	61	61.5	74.5	1162		

1927
Toe dolly
 • material: special tool steel
 • head polished: mirror polished




619223	A	B	H	Weight	Icon
121	58.5	29	1329		

1930
Reverse curve hammer
 • material: special tool steel
 • head polished: mirror polished
 • handle: octagonal shape, hickory wood



619228	L	A	D	H	Weight	Icon
325	27	29.6	106	395		

1924
Utility dolly
 • material: special tool steel
 • head polished: mirror polished



619220	A	B1	B2	H	Weight	Icon
76	73	48	66	1230		



619223	A	B	H	Weight	Icon
121	58.5	29	1329		

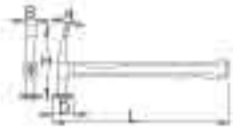


619228	L	A	D	H	Weight	Icon
325	27	29.6	106	395		

1931

Curved pein & finishing hammer

- material: special tool steel
- head polished: mirror polished
- handle: octagonal shape, hickory wood
- striking face: round 40mm

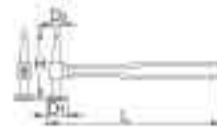


619229	L	A	B	D	H	Weight	Material
619229	325	8	19.6	40	140	445	Steel

1934

Pick & finishing hammer

- material: special tool steel
- head polished: mirror polished
- handle: octagonal shape, hickory wood
- striking face: round 40mm



619232	L	D1	D2	H	Weight	Material
619232	325	40	12	138	406	Steel

1932

Standard bumping hammer

- material: special tool steel
- head polished: mirror polished
- handle: octagonal shape, hickory wood
- striking face round: 40mm, square: 38mm

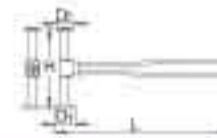


619230	L	A	D	H	Weight	Material
619230	325	38	40	100	445	Steel

1935

Fender & Panel dinging hammer

- material: special tool steel
- head polished: mirror polished
- handle: octagonal shape, hickory wood
- striking face: round 40mm and 32mm



619233	L	D1	D2	H	Weight	Material
619233	326	40	32	155	475	Steel

1933

Straight pein & finishing hammer

- material: special tool steel
- head polished: mirror polished
- handle: octagonal shape, hickory wood
- striking face: round 40mm



619231	L	A	B	D	H	Weight	Material
619231	325	8	19.6	40	140	420	Steel

1936

Shrinking hammer

- material: special tool steel
- head polished: mirror polished
- handle: octagonal shape, hickory wood
- striking face round: 40mm, square: 38mm
- serrated square striking face



619234	L	A	D	H	Weight	Material
619234	325	38 x 38	40	100	465	Steel

1940/2BI

Trim pin remover

- material: special tool steel
- for removing trim pin till 8mm
- tip angled ground
- ergonomic heavy duty double component handle
- This tool is used for extracting fastening pins, removing trim and on various upholstery.
- It's ergonomic design allows easy and safe working in various positions and in difficult to reach places without damage to the items being extracted or removed.

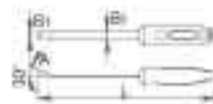


	L	B1	B2	A		
619267	230	8,5	28	2,5	130	

1940.2/2BI

Trim pin remover

- material: special tool steel
- for removing trim pin till 4,5mm
- tip angled ground
- ergonomic heavy duty double component handle
- This tool is used for extracting fastening pins, removing trim and on various upholstery.
- It's ergonomic design allows easy and safe working in various positions and in difficult to reach places without damage to the items being extracted or removed.

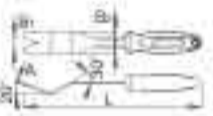


	L	B1	B2	A		
619269	230	5	10	2,5	109	

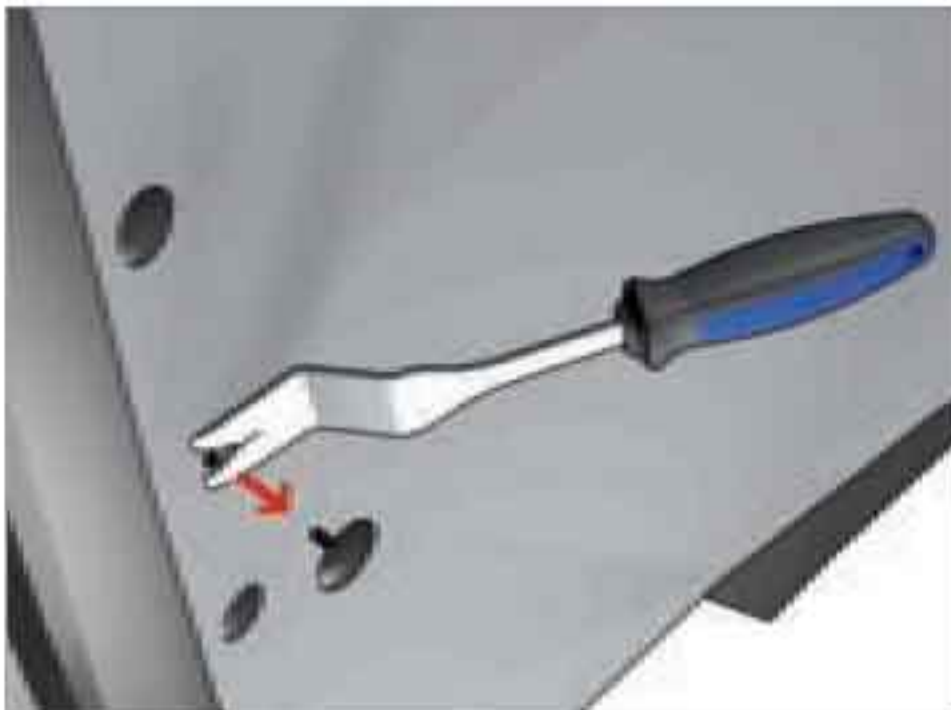
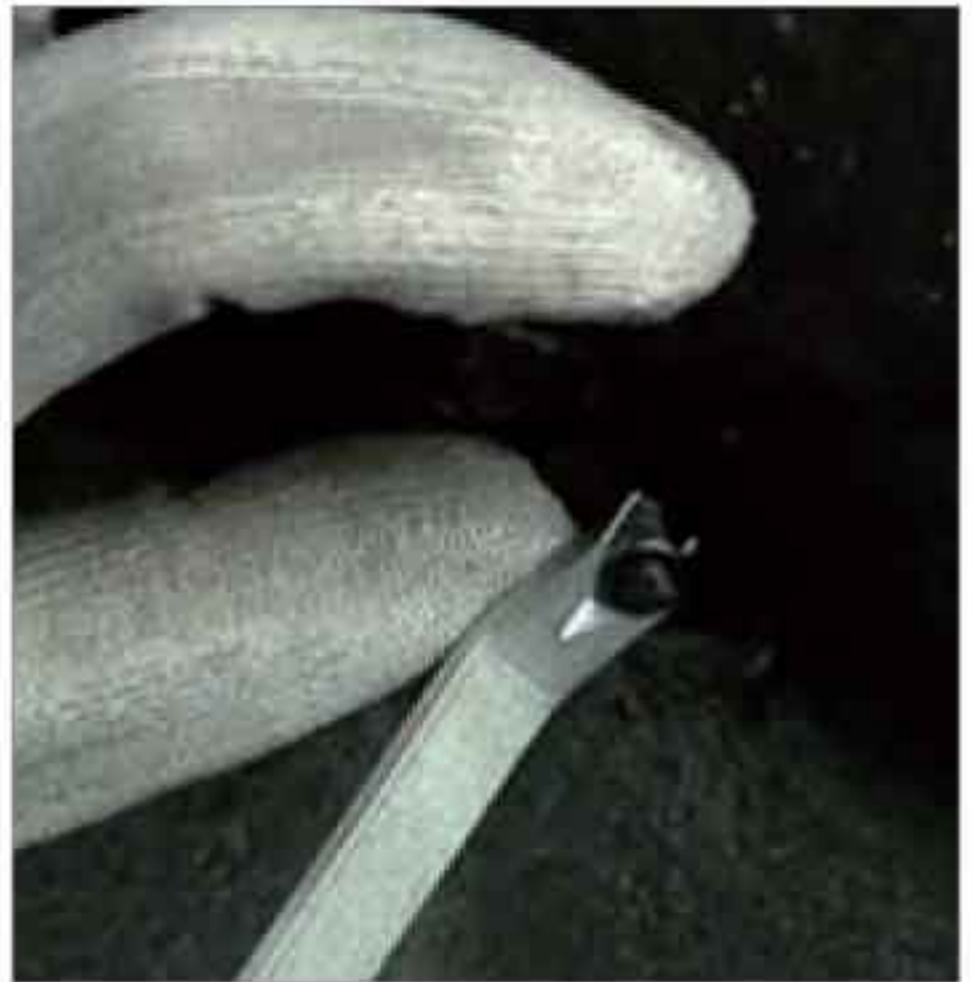
1940.1/2BI

Trim pin remover

- material: special tool steel
- for removing trim pin from 2mm till 15mm
- tip angled ground
- ergonomic heavy duty double component handle
- This tool is used for extracting fastening pins, removing trim and on various upholstery.
- It's ergonomic design allows easy and safe working in various positions and in difficult to reach places without damage to the items being extracted or removed.



	L	B1	B2	A		
619268	230	16,3	28	2,5	135	



1941/2

Front windscreen wiper arm remover

- material housing and spindle: carbon tool steel
- for removing front windscreen wiper arms
- for almost all types of cars
- protects plastic on housing of wiper arms
- use with wrench dimension 17
- This tool for the removal of the front windscreen wiper arms has a robust construction and enables the application of greater forces when removing front windscreen wiper arms that have become "glued" to the drive shaft as well as extending the service life of the tool.
- They are used for removing wipers that are elevated above the surface of the car body.
- Working with this tool is straightforward and quick.

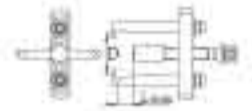


Barcode	L1	D1	Weight	Icon
619270	32	18	252	📏

1942/2

Rear windscreen wiper arm remover

- material jaws: chrome vanadium
- for removing rear windscreen wiper arms
- special adaptor, for protecting wiper arm hose
- use with wrench dimension 13
- supplied with rod
- This tool for the removal of rear windscreen wipers is designed to enable the simple removal of all types of rear wipers.
- The adaptor on the remover spindle is protected during work by the hose that supplies the cleaner fluid. The rod included in the set makes it possible to turn the spindle faster and, if greater removal force is required, to use a 13 mm wrench.
- The construction of the tool ensures its long service life.

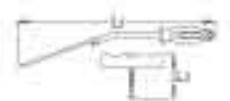


Barcode	L1	D	Weight	Icon
619271	103	22-25	288	📏

1943/2B1

Windscreen removal set

- material: special tool steel
- for removing front and rear windscreen
- extra long nose of the lever, for better accessibility when removing windcreens
- A set of tools for the removal of glued windscreen glass with the aid of a wire.
- Using the longer tool, make an opening between the car body and the glass, through which you run the wire that is then attached to both tools. Using the «T» shaped tool, pull the wire between the car body and the glass, thus separating them. The tool is made to allow fast and safe work, while its shape ensures that the work is performed without expending excessive energy.



Barcode	L1	L2	Weight	Icon
619272	354	78	330	📏

1943.1SQ

Square steel wire for windscreen removal set



	L (m)		
619611	22	101	

1943.2/2

Short tool with handle for 1943/2BI

- material: special tool steel
- for removing front and rear windscreen



	L2		
621405	78	95	

1943.1R

Round steel wire for windscreen removal set



	L (m)		
619612	22	98	

1943.3/2

Longer tool with BI handle for 1943/2BI

- material: special tool steel
- for removing front and rear windscreen
- extra long nose of the lever, for better accessibility when removing windcreens



	L1		
621406	354	195	

1944/6

Double suction lifter

- for the transport and positioning of windcreens during fitting and removing operations
- two strong suction pads for maximum safety
- durable plastic body
- loading capacity: 75kg
- suction pads can be set to suit flat and curved surfaces
- This lifter is useful when replacing and carrying windcreens (they have to be removed to be replaced). The lifter is operated by placing the two suction pads on the windscreen and creating vacuum in them by using the handles. The suction pads then securely grip the windscreen that is to be removed or installed.

To operate the lifter:

1. Position it on the windscreen.
2. Move the handles to create vacuum between the lifter and the windscreen.
3. The windscreen can be safely removed or installed using the lifter.



619740	925	

1945

Multi-function scraper with blade guard

- plastic material
- blade from high alloy steel
- with blade guard
- This tool is designed for scraping off dirt stuck to various surfaces. Due to its large working surface, the tool scrapes uniformly across the entire surface. It is suitable for removing silicon putty from motor heads, baked-on seals, vignette, etc.



	L	B	a x b		
620240	165	70	60.8 x 18.9	37	

1945.1

Set of 5 blades for 1945



621042	33	

1946

File holder



	L		
621477	350	770	

1946.1

Spare blade for 1946

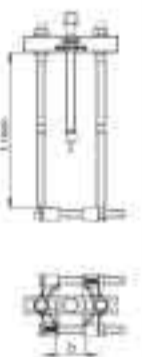


	L	B		
621478	350	35	274	

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 dismounting of firmly fixed machine parts.
- The separator puller consists of a yoke, a spindle, two arms and a gripper assembly, which together allow uniform dismounting.
- 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



	D	L		
619273	5 - 60	229	2160	
619274	12 - 75	234	2930	
619275	22 - 115	325	7180	



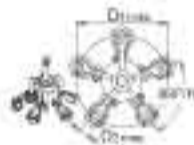
2027/2
Hub and wheel drum puller

- material hook cups: chrome molybdenum
- with five extractor hooks
- for extracting wheel hubs, up to a hole diameter of 250 mm

Operation:

1. Assemble tool, mount only number of extractor hooks needed
2. Mount extractor hooks to wheel drum
3. Turn spindle to start pulling wheel drum

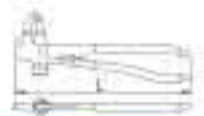
- This tool is intended for the disassembly of various wheel hubs. It is designed for simple and flexible use. With the extractor hooks supplied, the hubs can be removed with three, four or even five hooks, depending on the type of hub. Because its use is extremely flexible due to the five extractor hooks, the tool is useful for the majority of hub types up to a diameter of 250 mm.
- The tool consists of a spindle, five extractor hooks and forged hook handle. The handle also has an additional notch that prevents the extractor hooks from sliding off the tool during the assembly or disassembly of the hub. The strong construction allows safe and long-term use with high loads.
- We recommend that you do not use pneumatic hammers!



	D1	D2		n		
619278	250	18.5	24	3-5	4640	


2028/2P
Wheel balancing pliers

- material: chrome vanadium
- surface finish: chrome plated to standard EN12540
- handles plastic dipped



	L		
619288	250	406	

2029/2
Socket 1/2" for removing brake drums


- material: chrome molybdenum
- screw special carbon tool steel
- for removing brake drum
- two pieces in set
- Since a car's brake drums are often difficult to remove, special tools are required for this task.
- The tool consists of two slip-on bolts, which are first screwed into the brake drum in a symmetrical arrangement.
- By uniformly screwing the bolts in using a ratchet or a wrench, the brake drum is gradually removed.
- Upon removing the brake drum, simply detach and stow the tool.



	M8	L	D	L1		
619148	M8	64	22.9	28	167	

2030/2BI

Handbrake wire pliers

- material: special tool steel
- for changing hand brake cable
- heavy duty double - component handles
- jet stamp UNIOR
- Used to attach or detach the brake drum wire cable. Simply use the handbrake wire pliers to quickly tension, attach or detach the brake drum wire cable.



	L		
619734	234	256	

431/2

Brake spring pliers

- material: special tool steel
- drop forged, entirely hardened and tempered
- loose oil hardened head, phosphated surface finish: chrome plated



	L	A	Ø		
601554	325	53	25	423	

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.



	D	H		
619736	23	53	780	

2033/2

Disc spreader

- material: special tool steel
- master set of adaptors for wide range of vehicle applications
- usable for left handed thread and right handed thread
- with durable plastic bag, with soft foam inserts
- Suitable for: Audi, Fiat, Ford, Nissan, Renault, VW, Citroen, Seat, Mercedes-Benz, Opel.
- The 8 adaptors that come with this tool make it useful for compressing almost all kinds of car brake pistons during brake pad replacement.

How it works:

- Insert the tool into the brake disc shoe and use steady rotating motions to compress and simultaneously rotate the brake piston back into its shoe thus making enough space to replace the brake pads.



	L		
619737	151	2130	

2033/2PB

Disc spreader in plastic box

- material: special tool steel
- master set of adaptors for wide range of vehicle applications
- usable for left handed thread and right handed thread
- with durable plastic bag, with soft foam inserts
- Suitable for: Audi, Fiat, Ford, Nissan, Renault, VW, Citroen, Seat, Mercedes-Benz, Opel.
- The 8 adaptors that come with this tool make it useful for compressing almost all kinds of car brake pistons during brake pad replacement.

How it works:

- Insert the tool into the brake disc shoe and use steady rotating motions to compress and simultaneously rotate the brake piston back into its shoe thus making enough space to replace the brake pads.



622637	700	

2035

Brush for cleaning disk brake shoes

- for cleaning brake disc shoes prior to installing new brake linings and other metal engine parts
- extremely narrow design for those hard-to-reach spaces
- Braking causes wear on the brake pads and brake lining material to accumulate in the brake disc shoe - this has to be cleaned when replacing brake pads. The narrow design of this tool allows it to be used to clean brake disc shoes and anything else that might require such cleaning.



619739	73	

2034/2BI

Tool for set tyres valvelets

- material: chrome vanadium
- ergonomic heavy duty double component handle
- jet stamp UNIOR
- for setting tyre Schrader valvelets
- the handle features plastic-coated grooves that prevent sliding and thus any damage to wheel rims. The tool is appropriate for all dimensions of wheel rims.

How it works:

1. Insert the new valvelet into the opening on the wheel rim.
2. Screw the tool on the valvelet.
3. Use the lever to pull the valvelet in the proper position on the wheel rim.



619738	325	273	

2036/2

Calliper pressing tool

- material: special tool steel
- The compressing tool is used for compressing brake pistons when replacing brake pads. Useful mainly with brake disc shoes that are closed from the front. The tool is useful for compressing single or double brake pistons, mostly on front wheels. It is used to quickly and easily move brake pistons back into the shoe without damaging the piston or the shoe.



620224	A	B	C	H		
	153	90	12-97	150	1505	

2037/2BI

Brake spring pliers

- material: special tool steel
- drop forged, entirely hardened and tempered.
- loose oil hardened head, phosphated surface finish: chrome plated
- This tool is designed for mounting and dismantling brake shoe springs. Due to its compact dimensions, it allows easier reach to the brake springs than the existing Unior tool Art. 431, which is larger in size and intended for commercial vehicles, trucks and other industrial vehicles. The tool is fitted with an adjustable extension with a grooved face to prevent slipping.



	L		
620227	244	265	

2039/2

Tool for internal joint steering slat

- The tool is used to quickly and easily dismount and mount the inner joint on the steering slat. The tool is pushed through the steering slat towards the joint; by rotating it, the three attachments are adjusted to the joint which is then unscrewed with the use of the S27 wrench. It can be used with diameters from Ø32 – 40 mm. The outer diameter of the tool's head is Ø77mm which is suitable for the opening in the bodywork through which the wrench is pushed. The tool's length of 400mm is suitable for all sizes or lengths of steering racks. It is advantageous that the use of the tool does not require the steering rack's nut to be unscrewed beforehand because the inside diameter of the tool is larger than the nut and the tool can be simply pushed through the nut.



	L		
620230	400	1885	



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	

2041/2
Homokinetic joint puller

- The puller is used to dismount or repair homokinetic joints of various sizes. Before dismounting 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 dismounting the joint etc.



Barcode	D	Weight	Symbol
620232	18 - 36	2130	📦

2042/2
Tool for tyres valvelets

- material: special tool steel
- for assembling and disassembling Schrader valvelets mechanism
- one end is designed for assembling and disassembling of mechanism, other end for releasing the air
- the handle of the tools are serrated for a better grip
- surface finish: chrome plated according to EN12540



Barcode	L	D1	D2	D3	Weight	Symbol
621998	115	11	4,5	2	65	📦


210/2
Wheel nut wrench

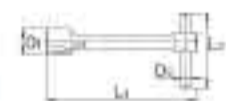
- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered



Barcode	⊖	L1	L2	Weight	Symbol
600782	17	255	27	476	📦
600783	19	285	29,5	541	📦

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



Barcode	⊖	L1	D1	L2	D2	Weight	Symbol
600785	17	260	26	300	12	720	📦
600786	19	280	28,5	300	12	800	📦
600787	22	300	32	300	12	815	📦
600788	24	315	33,5	400	14	1280	📦
600789	27	355	38,5	400	20	2220	📦
600790	30	425	42,5	400	20	2450	📦
600791	32	430	48	400	20	2815	📦
609815	33	430	48	400	20	2875	📦

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)



Barcode	⊖	⊖	⊖	⊖	L	Weight	Symbol
600810	17	19	11/16"	1/2"	370	1355	📦
600811	17	19	22	1/2"	370	1430	📦
600809	17	19	21	23	370	1511	📦
600812	17	19	22	24	370	1500	📦
600813	24	27	30	3/4"	700	4400	📦
600814	24	27	30	32	700	4600	📦

300/5

Tyre lever

- material: chrome vanadium
- forged
- hardened and tempered
- surface finish: zinc plated
- drop forged, entirely hardened and tempered



Barcode	L	Weight	Part No.
617661	200	111	☑
601755	300	253	☑
601756	400	452	☑
601757	500	648	☑

300/5A

Tyre lever

- material: chrome vanadium
- surface finish: zinc plated
- drop forged, entirely hardened and tempered



Barcode	L	Weight	Part No.
601758	537	992	☑

300/5C

Tyre lever with handle

- material: special tool steel
- surface finish: chrome plated according to EN12540
- ergonomic heavy duty double component handle



Barcode	L	a x b	Weight	Part No.
613103	320	1,1 x 13	252	☑
613104	410	1,5 x 15	499	☑
613105	610	1,5 x 21	837	☑

300CCB

Set of tyre levers with handle



Barcode	No	Weight	Part No.	
613106	300CCB 300/5C (320, 410, 610)	3	878	☑

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	Weight	Part No.		
619279	300	21	80-195	14600	☑

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.



619733	19	4070	

2151/2BI

Spark plug pliers

- material: special tool steel
- for removing spark plugs
- heavy duty double - component handles
- jet stamp UNIOR
- This tool is intended for the safe and quick removal of spark plug covers without damaging them. As an added feature, the tool allows you to cut power supply cables or compress cable attachments.



631

Car light tester 6 - 12/24 V

- Use only on proven automobile installations for voltages of up to 12V and up to 24V
- Use for other purposes or at different voltages may be life threatening.
- The product may not be used for verifying the grid voltage!



601688	6-12	0.5 x 3.0	60	140	25
601689	6-24	0.6 x 3.5	90	180	25

631B

Car light tester 6 - 12/24 V

- Indispensable tool in every car workshop
- Safety cover for the tip of the tester, intended to prevent injuries to users
- Used for checking electrical installations in all 6 - 24 V systems in the car

Usage:

- Connect the clip to any ground point.
- Pierce the wire insulation with the tip of the tester to find live wires
- Keep piercing the insulation along the wire until the tester stops being illuminated, which indicates that the wire is broken.
- Use for other purposes or at different voltages may be life threatening.
- The product may not be used for verifying the grid voltage!



619856	6-24	12	1.8	110

619732	192	206	

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



Barcode	D	L	Weight	Category
601772	16	260	925	🔧

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



Barcode	D	L	Weight	Category
602369	18	260	1055	🔧



2177.01

Cable release tool

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for circular plug contacts 1.5mm
- for cars: BMW, Daimler Chrysler, Fiat, Opel, Mercedes-Benz, Porsche, Volvo, VW, Audi, Seat, Skoda
- for trucks and buses: Man, Mercedes-Benz



Barcode	A	C	D	L	Weight	Category
620969	6	44	3.3	142	29	🔧

2177.02

Cable release tool

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for circular plug contacts 3.5mm
- for cars: BMW, Daimler Chrysler, Fiat, Opel, Porsche, Toyota, Volvo, VW, Audi, Seat, Skoda
- for trucks and buses: Mack, Man, Mercedes-Benz, Renault, Volvo



Barcode	A	C	D	L	Weight	Category
620970	8	43	5	141	34	🔧

2177.03

Cable release tool

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for circular plug contacts 4mm
- for trucks and buses: Fendt, Iveco, Mack, Man, Mercedes-Benz, Renault, Scania, Volvo



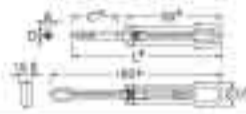
Barcode	A	C	D	L	Weight	Category
620971	9	45.5	6.5	144	37	🔧



2177.04

Cable release tool

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for circular plug contacts 2,5mm (e.g. vks)
- for cars: BMW, Daimler Chrysler, Opel, Mercedes-Benz, Porsche, Saab, VW, Audi, Seat, Skoda
- for trucks and buses: Man, Volvo

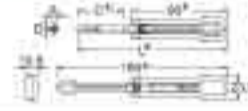


Barcode	A	C	D	L	Weight	Material
620972	8	42,5	4,5	140	34	Steel

2177.07

Cable release tool

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for circular plug contacts 1,5mm
- for trucks and buses: Fendt, Scania



Barcode	A	C	D	L	Weight	Material
620975	6	43	1,9	141	28	Steel

2177.031

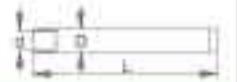
Dismounting socket for 2177.03



Barcode	D	d	L	Weight	Material
620979	6,5	6	27	6	Steel

2177.041

Dismounting socket for 2177.04



Barcode	D	d	L	Weight	Material
620980	4,4	4	28	6	Steel

2177.051

Dismounting socket for 2177.05



Barcode	D	d	L	Weight	Material
620981	3,3	3	35	6	Steel

2177.061

Dismounting socket for 2177.06



Barcode	D	d	L	Weight	Material
620982	6	5,5	20	6	Steel

2177.071

Dismounting socket for 2177.07



Barcode	D	d	L	Weight	Material
620983	2,8	2,3	30	5	Steel

2177.081

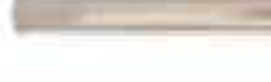
Dismounting socket for 2177.08



Barcode	D	d	L	Weight	Material
620984	3,6	2,8	30	7	Steel

2177.032

Assembly socket for 2177.03



Barcode	D	d	L	Weight	Material
620985	6,5	4	50	10	Steel

2177.05

Cable release tool

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for circular plug contacts 2,3mm
- for cars: Ford, Jaguar, Opel, PSA, Renault
- for trucks and buses: Mack

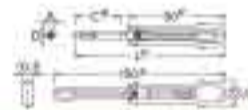


Barcode	A	C	D	L	Weight	Material
620973	6	44	3,3	142	28	Steel

2177.08

Cable release tool

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for circular plug contacts (e.g. lks) 1,5mm
- for cars: BMW, Daimler Chrysler, Ford, Mercedes-Benz
- for trucks and buses: Mercedes-Benz



Barcode	A	C	D	L	Weight	Material
620976	6	56	3,6	154	29	Steel

2177.06

Cable release tool

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for circular plug contacts 4mm
- for cars: Daimler Chrysler
- for trucks and buses: Fendt, Iveco, Mack, Man, Mercedes-Benz, Renault, Scania, Volvo



Barcode	A	C	D	L	Weight	Material
620974	9	45,5	6	144	38	Steel

2177.011

Dismounting socket for 2177.01



Barcode	D	d	L	Weight	Material
620977	3,3	3	30	6	Steel

2177.021

Dismounting socket for 2177.02



Barcode	D	d	L	Weight	Material
620978	5	4,4	24	6	Steel

2177.09

Cable release tool

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for single channel JPT contacts



620986	A	B	C	D	L	Icon	Icon
	6	4,7	50	3,3	148	20	Icon

2177.12

Cable release tool with pin head

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for cars: Bmw, Daimler Chrysler, Fiat, Ford, Honda, Jaguar, Opel, Mazda, Mercedes-Benz, Mitsubishi, Porsche, Psa, Renault, Toyota, Volvo, VW, Audi, Seat, Skoda
- for trucks and buses: Fendt, Man, Mercedes-Benz, Volvo



620989	A	B	C	D	L	Icon	Icon
	1	1,4	18,5	5	143	26	Icon

2177.15

Cable release tool with simetrical open head

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for Micro-Timer II and III, MFK/MFS
- for cars: Bmw, Daimler Chrysler, Jaguar, Opel, Mercedes-Benz, Psa, Renault, Volvo, VW, Audi, Seat, Skoda
- for trucks and buses: Fendt



620992	A	B	C	D	L	Icon	Icon
	1	2,1	20	5	142	25	Icon

2177.10

Cable release tool with simetrical open head

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for iso conector autoradio
- for cars: Bmw, Ford, Opel, Porsche, VW, Audi, Seat, Skoda



620987	A	B	C	D	L	Icon	Icon
	2	1	19	5,0	143	23	Icon

2177.13

Cable release tool with pin head

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for junior/standard timer, FASTIN-FASTON
- for cars: Bmw, Psa, Renault, Volvo



620990	A	B	C	D	L	Icon	Icon
	1	1,9	17,5	5	142	26	Icon

2177.16

Cable release tool with simetrical open head

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for cars: Daimler Chrysler, VW, Audi, Seat, Skoda



620993	A	B	C	D	L	Icon	Icon
	1	1,4	20,5	5	146	24	Icon

2177.11

Cable release tool with simetrical open head

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for cars: Bmw, Ford, Opel, Porsche, VW, Audi, Seat, Skoda



620988	A	B	C	D	L	Icon	Icon
	1,7	1,05	19	5,0	143	24	Icon

2177.14

Cable release tool with pin head

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for power quaddok
- for cars: Bmw, Psa, Renault



620991	A	B	C	D	L	Icon	Icon
	1	2,7	18	5	142	26	Icon

2177.17

Cable release tool with asimetrical open head

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for cars: VW, Audi, Seat, Skoda
- for trucks and buses: Fendt, Man



620994	A	B	C	D	L	Icon	Icon
	1,6	2,4	26	6	153	27	Icon

2177.18

Cable release tool with asymmetrical open head

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for cars: Daimler Chrysler, VW, Audi, Seat, Skoda

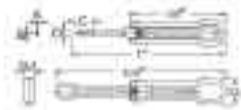


620995	A	B	C	D	L	Icon	Icon
	1,6	3,2	27	6	155	28	Icon

2177.20

Cable release tool with pin head

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for pit-pod' faston 6,3 mm
- for cars: Bmw, Daimler Chrysler, Fiat, Ford, Opel, Mazda, Porsche, Psa, Renault, Saab, Toyota, Volvo, VW, Audi, Seat, Skoda
- for trucks and buses: Fendt, Iveco, Mack, Man, Mercedes-Benz, Renault, Scania, Volvo

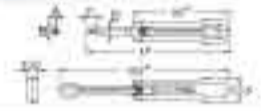


620997	A	B	C	D	L	Icon	Icon
	1,3	0,8	19	6	145	27	Icon

2177.23

Cable release tool with simetrical open head

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for Ducon
- for cars: Opel



621000	A	B	C	D	L	Icon	Icon
	1	3,3	6	5	135	24	Icon

2177.19

Cable release tool with simetrical open head

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for MCP 9,5 mm
- for cars: Daimler Chrysler, Mercedes-Benz, VW, Audi, Seat, Skoda
- for trucks and buses: Fendt, Iveco, Mack, Man, Mercedes-Benz, Renault, Scania, Volvo

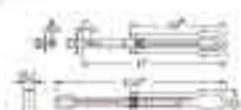


620996	A	B	C	D	E	Icon	Icon
	2,8	6,5	34	10,2	151	34	Icon

2177.21

Cable release tool with pin head

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for Ducon
- for cars: Opel



620998	A	B	C	D	L	Icon	Icon
	1	1	6	4	130	21	Icon

2177.24

Cable release tool with simetrical open head

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for Ducon
- for cars: Opel



621001	A	B	C	D	L	Icon	Icon
	1,1	3,5	7,8	5,5	136	25	Icon

2177.22

Cable release tool with pin head

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for Ducon
- for cars: Opel



620999	A	B	C	D	L	Icon	Icon
	1,1	1,5	6	5,5	3,3	26	Icon

2177.25

Cable release tool with simetrical open head

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for Ducon
- for cars: Daimler Chrysler
- for trucks and buses: Mack, Mercedes-Benz, Renault, Volvo



621002	A	B	C	D	L	Icon	Icon
	1,1	4,0	7,8	6	135	28	Icon



2177.26

Cable release tool with simetrical open head

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for Ducon, mcq, mak
- for cars: Opel
- for trucks and buses: Man, Mercedes-Benz



621003	A	B	C	D	L	Weight	Icon
	1,1	5,1	10,4	7	134	29	

2177.29

Cable release tool with pin head

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for Micro-Timer I
- for cars: Fiat, Ford, Honda, Jaguar, Opel, Mazda, Mitsubishi, Porsche, Psa, Renault, Toyota, VW, Audi, Seat, Skoda
- for trucks and buses: Fendt, Iveco, Mack, Mercedes-Benz, Renault, Scania, Volvo



621006	C	D	L	Weight	Icon
	47	2	145	17	

2177.32

Cable release tool with multi pin head

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for VKR
- for trucks and buses: Mack, Man, Renault, Volvo



621009	A	B	C	D	L	Weight	Icon
	1,5	6,2	17	8	136	30	

2177.27

Cable release tool with asimetrical open head

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for Ducon
- for cars: Ford, Renault



621004	A	B	C	D	L	Weight	Icon
	1,7	0,8	17	4,6	144	24	

2177.30

Cable release tool with pin head

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for LKS
- for cars: Fiat, Ford, Mazda, Porsche



621007	A	B	C	D	L	Weight	Icon
	1,0	1,45	18,6	5	144	26	

2177.33

Cable release tool with multi pin head

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for MKS/MKR
- for trucks and buses: Mack, Man, Renault, Volvo



621010	A	B	C	D	L	Weight	Icon
	1	4,2	6,8	6	128	25	

2177.28

Cable release tool

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use



621005	A	B	C	D	L	Weight	Icon
	1,0	1,5	6,1	5	134	26	

2177.31

Cable release tool with simetrical open head

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for flat plugs without box
- for cars: Daimler Chrysler, VW, Audi, Seat, Skoda



621008	A	B	C	D	L	Weight	Icon
	1,2	2,1	13,2	5	141	24	

2177.34

Cable release tool with simetrical open head

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for SLK contacts (primary)
- for cars: Bmw, Daimler Chrysler, Ford, Mercedes-Benz



621011	A	B	C	D	L	Weight	Icon
	0,55	1,7	6	6	136	26	

2177.35

Cable release tool with simetrical open head

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for SLK primarily and secondary release
- for cars: BMW, Daimler Chrysler, Ford, Mercedes-Benz



621012 1,7/1,0 0,6 10 6 2,7 141 26

2177.37

Cable release tool with pin head

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for soldered contacts
- for cars: Fiat, Mercedes-Benz, Saab, Volvo



621014 3 0,4 44 5 146 18

2177.39

Cable release tool with simetrical open head

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for LSK B



621016 2,5 3,7 26 8 150 30

2177.36

Cable release tool with pin head

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for soldered contacts
- for cars: Fiat, Ford, Honda, Jaguar, Opel, Mazda, Mitsubishi, Porsche, Psa, Toyota, VW, Audi, Seat, Skoda



621013 3,8 0,5 28,5 6 128 18

2177.38

Cable release tool with simetrical open head

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for E95
- for cars: BMW, Daimler Chrysler
- for trucks and buses: Man



621015 1,4 0,7 5 6 3,7 138 32

2177.40

Cable release tool with simetrical open head

- for repairing damaged connector contacts
- the tip of the tool is made from quality spring steel
- the toggle casing protects the tip of the tool from damage
- available for the majority of connector types on the market
- easy and safe to use
- for Junior/Standard Power Timer, MDK/DFK
- for cars: BMW, Daimler chrysler, Fiat, Ford, Jaguar, Opel, Mercedes-Benz, Porsche, Psa, Renault, Saab, Volvo, VW, Audi, Seat, Skoda
- for trucks and buses: Fendt, Iveco, Mack, Man, Mercedes-Benz, Renault, Scania, Volvo



621017 1,6 0,8 29,5 6 155 27



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	Icon
622585	232	250	☒

186.4/2

Spark plug socket 3/8"

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

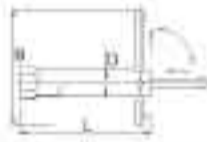


Barcode	⊖	D	L	●	Weight	Icon
620819	13	17.9	63		68	☒
603193	16	22	63	19	68	☒
620820	18	24.7	63	22	68	☒
603192	19	26	63	22	68	☒
600776	21	27	66	19	68	☒

185/2

Spark plug wrench

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



Barcode	⊖	D	L	B	Weight	Icon
600771	16	19	145	120	182	☒
607956	19	22	115	120	199	☒
600772	21	24	115	120	177	☒
600773	21	24	180	120	248	☒

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	⊖	D	L	●	Weight	Icon
622513	14	18	63	17	58	☒

186BI

Set of spark plug sockets with accessories 3/8"



Barcode	Nº	Weight	Weight	Icon
619401	186BI	4	627	☒
☒ 238.1/1FBI (3/8"), ☒ 238.4/2 (3/8" x 45, 3/8" x 75), ☒ 186.4/2 (21)				
619402	186BI	4	615	☒
☒ 238.1/1FBI (3/8"), ☒ 238.4/2 (3/8" x 45, 3/8" x 75), ☒ 186.4/2 (19)				
619403	186BI	4	560	☒
☒ 238.1/1FBI (3/8"), ☒ 238.4/2 (3/8" x 45, 3/8" x 75), ☒ 186.4/2 (16)				

194/2D1

T - handle spark plug wrench swiveling socket

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



Barcode	⊖	D	B	L	Weight	Icon
608111	16	21	250	300	336	☒
608112	20.8	27	250	300	382	☒

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



Barcode	⊕	⊘	H	L	W	⊞
608115	⊕	16	21	250	500	468
608116	⊕	20.8	27	250	500	504

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.



Barcode	L	W	⊞
619721	275	287	⊞

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.



Barcode	L	D	W	⊞
619722	430	20 - 250	1810	⊞

2202.1/2

Pressure pieces for valve spring compressor



Barcode	D	W	⊞
620567	21	46	⊞
620208	25	54	⊞
620209	30	62	⊞
620210	35	84	⊞
620211	43	106	⊞

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	

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	

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	
619726	80	2 1/4" - 5"	57 - 125	291	
619727	80	3 1/2" - 7"	90 - 175	320	
619729	165	3 1/2" - 7"	90 - 175	587	

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	

2207/2

1/2" square drive socket for diesel engine injectors



- 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	
619731	12P - 22mm	DIESEL	162	
619888	12P - 27mm	BMW, Fiat, Ford	217	
619889	12P - 28mm	Scania, Volvo HGV	227	

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.

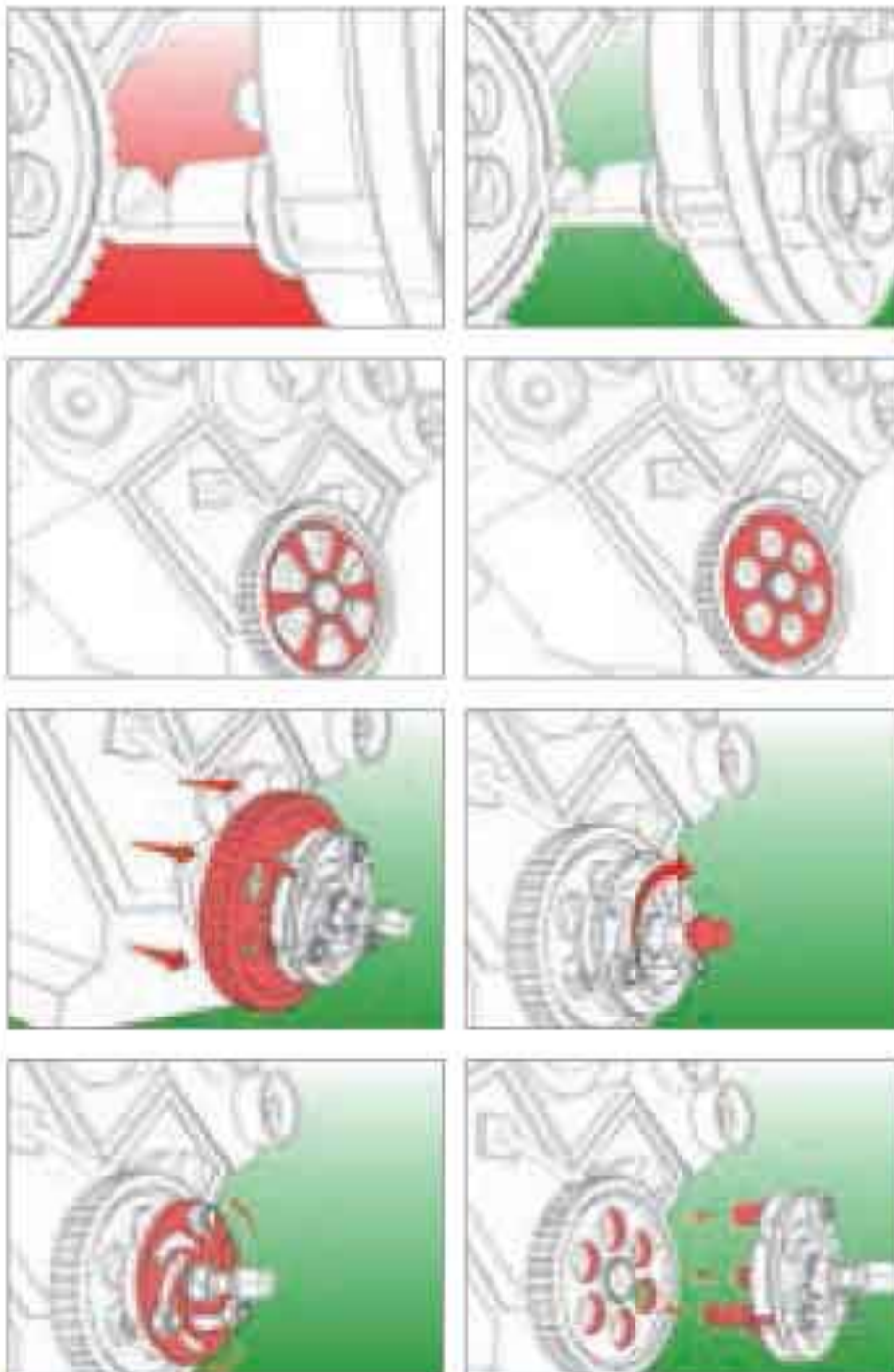


	A	B	C1	C2	C3	D1	D2	D3	H1	H2	H3		
620223	171	32	60-825	69-91	34	80-150	40-120	40-150	200	213	152	2340	

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

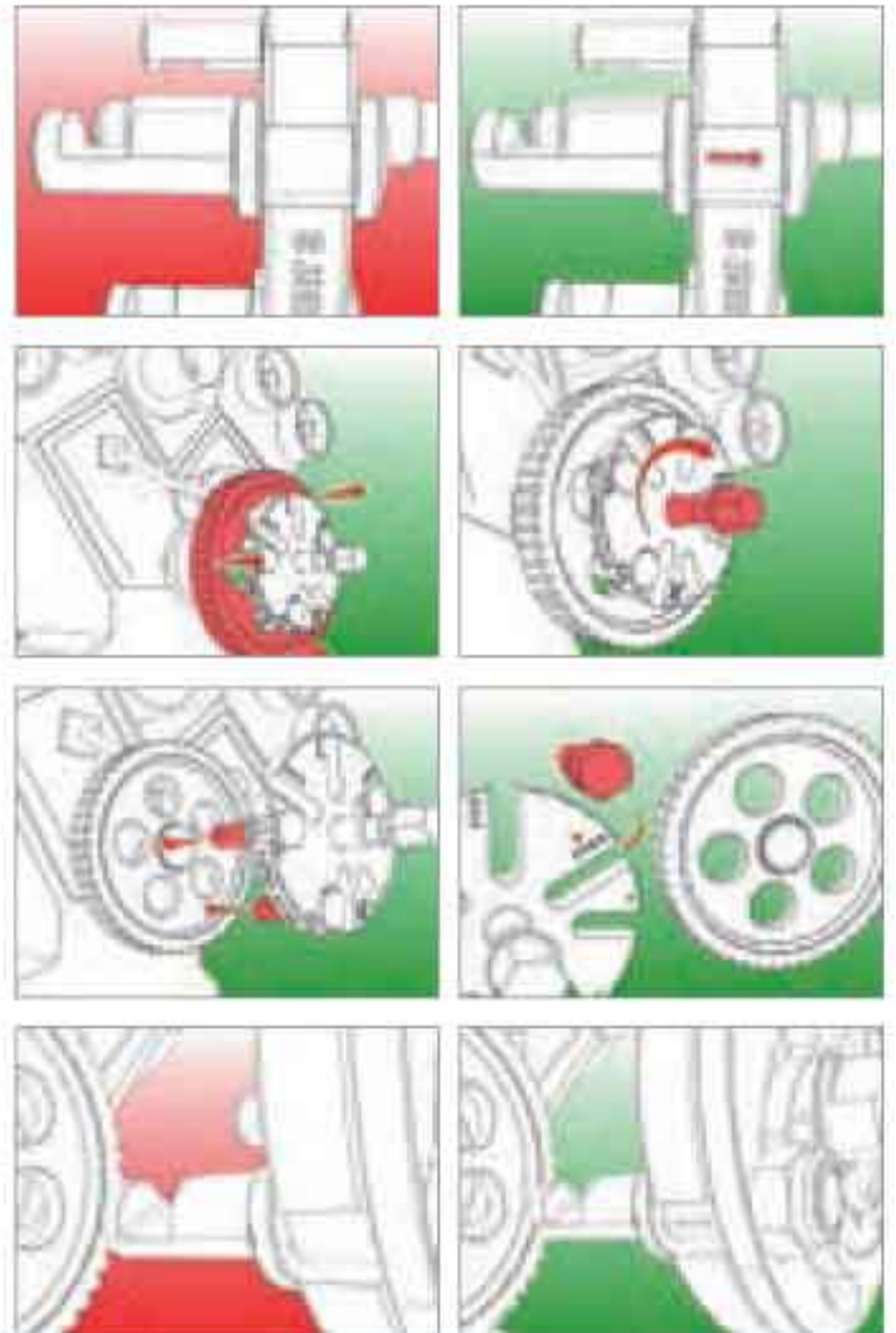
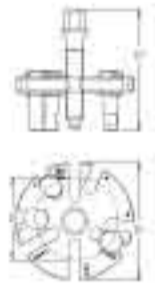


Barcode	B	D	H	Weight	Part No.
620226	100	48-82	135	1085	📦

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



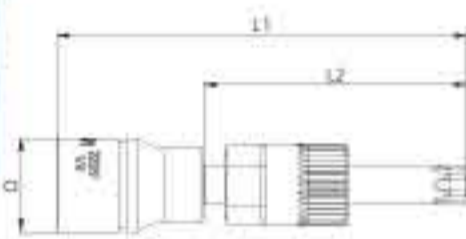
Barcode	B	D	H	Weight	Part No.
621780	100	48-82	135	750	📦

2209

Alternator combination socket



• This two-part tool for the alternator allows the easy dismounting 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.



Barcode	Bit	D	L1	L2	Weight	Material
620225	M 10	23.8	113	75	178	Steel
620948	TX 50	23.8	113	75	176	Steel

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
600671	11 x 13	150	16.5	19	7	8.5	54	Steel
600672	13 x 17	185	19.2	24.2	8.7	10.3	99	Steel
600673	14 x 17	185	20.5	24.2	8.7	10.3	104	Steel
600674	15 x 16	185	21.6	23.6	8.7	10.3	104	Steel
600675	15 x 17	185	21.6	24.2	8.7	10.3	101	Steel
600676	19 x 22	230	27.2	31.8	10	11.5	178	Steel

200/2CB

Set of starter and block wrenches in carton box



Barcode	No	Size	Weight	Material
600677	200/2CB	11 - 22 / 5	605	Steel

200/2 (11 x 13; 13 x 17; 14 x 17; 15 x 16; 19 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:

1. pre-tightening of the thrust plate during dismounting and installing (important for preventing strain on the clutch),
 2. centering the clutch plate in the direction towards the guide bearing or towards the thrust plate,
 3. withdrawing the adjusting ring with the withdrawal tools.
- Dimension of box: 393 x 331 x 95

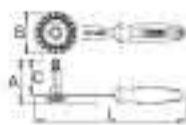


Barcode	A	B	D	H	Weight	Material
620233	305	268	322	267	7400	Steel

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	Weight	Volume	Icon
622815	270	75	80	63	428	428	Icon

2301SOS1

Set of automotive tools in SOS tool tray

- for changing spark plugs



623122	Nº	Weight	Volume	Icon
623122	2301SOS1	10	1455	Icon
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), vI2301SOS1 (188 x 364 x 30)				

2301SOS2

Set of automotive tools in SOS tool tray

- for disassembling hub and brake drum



623123	Nº	Weight	Volume	Icon
623123	2301SOS2	1	5190	Icon
2027/2 (250), vI2301SOS2 (374 x 364 x 30)				

2301SOS3

Set of automotive tools in SOS tool tray

- for break systems



623124	Nº	Weight	Volume	Icon
623124	2301SOS3	4	995	Icon
2029/2 (M 8), 2030/2BI (234), 2035, 2037/2BI (244), vI2301SOS3 (188 x 364 x 30)				

2301SOS4

Set of automotive tools in SOS tool tray

- for clips and clamps (spring, clic, oetiker) hoses



623125	Nº	Weight	Volume	Icon
623125	2301SOS4	7	2650	Icon
2077/2BI (235), 2078/2BI (230), 2079/2BI (206), 2080/2BI (190), 2081/3 (285), 2089/2BI (230), vI2301SOS4 (374 x 364 x 30)				

2301SOS5

Set of automotive tools in SOS tool tray

- for changing oil filters



623126	Nº	Weight	Volume	Icon
623126	2301SOS5	4	1780	Icon
175/2 (8 x 10), 205/2 (220 x 60 x 140), 206/2 (220 x 60 x 140), 1976/2 (60), vI2301SOS5 (188 x 364 x 30)				

2301SOS6**Set of automotive tools in SOS tool tray**

- for changing oil filters



Barcode	Nº	Icon 1	Icon 2	Icon 3
623127	2301SOS6	12	2040	Icon
© 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), vI2301SOS6 (374 x 364 x 30)				

2301SOS9**Set of automotive tools in SOS tool tray**

- for changing tires



Barcode	Nº	Icon 1	Icon 2	Icon 3
623130	2301SOS9	4	1025	Icon
2042/2 (115), 2034/2BI (325), 2035, 2028/2P (250), vI2301SOS9 (188 x 364 x 30)				

2301SOS7**Set of automotive tools in SOS tool tray**

- for general maintenance tasks



Barcode	Nº	Icon 1	Icon 2	Icon 3
623128	2301SOS7	6	3280	Icon
2091 (250), 2087 (1), 2086 (150), 2085 (510), 2084 (240), 264 (1/2" x 28 - 210), vI2301SOS7 (564 x 364 x 30)				

2301SOS10**Set of automotive tools in SOS tool tray**

- for changing tires



Barcode	Nº	Icon 1	Icon 2	Icon 3
623131	2301SOS10	15-21/8	4605	Icon
1561 (1/2"), 231/4PL (17, 19, 21), 231/4 6p (15, 17, 19, 21), vI2301SOS10 (188 x 364 x 30)				

2301SOS8**Set of automotive tools in SOS tool tray**

- for dismantling ribbed pulleys



Barcode	Nº	Icon 1	Icon 2	Icon 3
623129	2301SOS8	1	2135	Icon
2208 (171), vI2301SOS8 (188 x 364 x 30)				



Tools for bicycle service

A special procedure for the manufacture of bicycle tools



SPINDLE:

- 1. 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.
- 2. Burnishing** - giving the spindle the appropriate, professional appearance, while together with the right oil, it also provides the required surface protection.



NEEDLE:

- 3. CNC working** - the spindle is made entirely of solid material. Special attention is paid to the thread, which enables the smooth movement of the spindle in the casing and thus optimum functionality.
- 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.
- 5. Sanding:** cleaning the surface before burnishing is important for the sake of quality and durable surface protection.
- 6. Burnishing** - giving the spindle an appropriate, professional appearance, while together with the right oil it also provides the required surface protection.



SMALL HANDLE:

- 7. Milling the straight part of the small handle**
- 8. 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.
- 9. Sanding:** cleaning the surface before burnishing is important for the sake of quality and durable surface protection.
- 10. Chroming** - the casing of the ratchet is plated with a thin, hard coating of chromium oxide that protects against corrosion, wear and other mechanical damage.



CASING:

- 11. CNC working** - the casing is made entirely of solid material. Special attention is paid to the centricity and positioning, which provide the optimum functionality of the tool.
- 12. 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.
- 13. Sanding:** cleaning the surface before burnishing is important for the sake of quality and durable surface protection.
- 14. Chroming** - the casing is 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 product - the Union Chain Mounting Tool - a glossy and professional appearance.



ASSEMBLY

- 15., 16. Final assembly:** the trained, skilled and meticulous operators of the final assembly will assemble the product into a solid whole that ensures the functioning and high quality of the product.





New advanced technology

The use of new technological methods and top quality materials result in tools with a long life span, safety designs ensure repair jobs without damages, customized solutions, excellent effectiveness, modern materials and ergonomic design provide good looks and safe use.



Customized solutions for excellent results

Our solutions offer adaptability to the bicycle parts of all producers. Our tradition, our own design, and constant technical development and modern technology keep us one step ahead.



Excellent durability

Unior hand tools finish many jobs faster and make working in tight areas easier. They are adapted to work on the latest bicycle models.



Tools for frame and fork

338 - 343



Tools for drive

343 - 354



Tools for wheel sets

354 - 359



Multifunctional tools

360 - 361



Repairing and centering stands

361 - 366



Sets

366 - 368



Toll sets SOS for Europlus, Eurovision, Eurostyle carriages

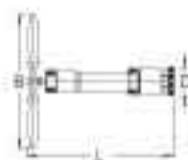
368 - 369



1614/4BI

Universal crown race puller

- material: special tool steel, hardened and tempered
- surface finish: blacken to standard DIN 50938
- The puller is a tool for quickly and precisely removing the headset crown race from 1", 1.1/8", 1.1/2" suspension or rigid front fork. To use, place the puller bush onto the front fork race and fix it by turning the nut. Turn the spindle attached to the steering column to pull the crown race from the fork. The product enables efficient race removal without the use of a hammer. It is intended for both professionals and home users.



	D	D	D	L	B		
620195	1"	1.1/8"	1.1/2"	351	320	3510	

1616/4

Ball race remover

- material: special tool steel
- surface finish: blacken to standard DIN 50938
- This tool is used for removal of headsets of older bike models. To remove the ball bearing cups, tap on the tool with hammer.



	A	B	H	D1	D2	D3	D4		
615527	25	55	100	37	41	44	47	422	

1681/4

Head set cup remover

- material: special tool steel
- surface finish: blacken to standard DIN 50938
- The head set cup remover makes removal of cups 1", 1.1/8" and 1.1/4" from the frame easy

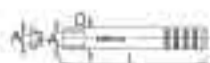


				L	D		
616291	1"	1.1/8"	1.1/4"	300	40	327	

1683/4A

Crown race setting system

- material: special tool steel
- surface finish: blacken to standard DIN 50938
- Dimension: 1", 1.1/4", 1.1/8" as additional parts and 1.1/2" is dimension of the tube.
- The crown race setting system is intended for crown race installation on the steerer tube to fit 1", 1.1/4", 1.1/8", 1.1/2" diameters. The inserts are interchangeable. This tool enables quick and efficient work.



	A	A	A	A	L	D		
620255	1"	1.1/8"	1.1/4"	1.1/2"	319	46	2500	



1681.1/4

Head set cup remover

- material: special tool steel
- surface finish: blacken to standard DIN 50938
- The head set cup remover makes removal of cups 1.1/4" and 1.1/2" from the frame quick and easy



619705	1.1/4"	1.1/2"	300	56	326	

1682/4

Threadless nut setter

- material: special tool steel
- surface finish: blacken to standard DIN 50938
- The threadless nut setter is used to install the star fangled nut found on 1" and 1.1/8" threadless headset systems. It is intended for both professionals and home users.



616292	124	29,5	15,2	24	557	

1682.1/4

Threadless nut setter guide

- material: special tool steel
- surface finish: phosphated to standard DIN 12476
- The guide is designed for guiding the threadless nut setter when installing star-fangled nuts found on 1" and 1.1/8" threadless headset systems. It is intended for both professionals and home users.

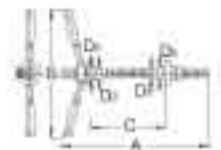


619618	80	38	25,7	28,9	286	

1680/4

Bearing cup press

- material: special tool steel
- This tool accurately presses headset cups 1", 1.1/8", 1.1/4" and 1.1/2" into head tubes. In addition it has a longer spindle for BMX headsets with larger tubing. This precision made tool enables work without damage. With this tool, we can also press any of the threadless bottom brackets, such as the BB30.



616290	1"	1.1/8"	1.1/4"	1.1/2"	320	410	340	2730	



1618/2DP

Cone wrench, single sided, offset

- The design of the offset cone wrench enables working in difficult hard to reach places. This unique design is suitable for assembly and disassembly of nuts on Sun Tour headset. It is intended to be used together with the single sided cone wrench, product no. 1617/2DP. The new design enables higher torque and reduces physical effort.
- material: special tool steel, hardened and tempered
- surface finish: chrome plated according to EN12540
- double plastic dipped handles



		L	A		
615372	36	270	4	275	

1692/4

Frame and fork end alignment gauge tool

- material: special tool steel, hardened and tempered.
- surface finish: blacken to standard DIN 50938
- To use the tool, we need to remove the wheel and insert the tool into the frame. This tool is used for alignment of the rear fork to achieve parallelism.



	D	B	L		
618412	30	84	309,5	1222	

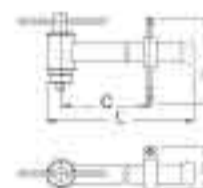
1602/2

Derailleur hanger alignment tool

- material: special tool steel, the pipe is made of construction steel
- The derailleur hanger and the rear derailleur, must be parallel to the rear wheel which enables smooth running of the chain and fast and efficient shifting. If the bicycle falls on the right side, damage to the rear transmission and deformations of the transmission bracket often occur. This causes the loss of the transmission bracket parallelism, which hinders proper functioning of gears.
- When performing repair work, first the rear wheel must be centered because an aligned rear wheel is the basis for the adjustment of the transmission bracket.
- The tool is easy to use and very precise. It is used to check the parallelism between the transmission bracket and the wheel, and to align the bracket if the parallelism is not reached.

How to use the tool:

- Mount the control to the derailleur hanger. Move the slider along with the measuring gauge towards the wheel rim and position it in such a way that the gauge only lightly touches the wheel rim. Perform the check by moving the tool to different positions on the wheel rim. If the derailleur hanger is parallel to the wheel, the measuring gauge will keep the same distance from the rim on all positions. If distance of the hanger and rim changes in any direction, the hanger has to be aligned. Repeat the procedure until the distance of the gauge and the rim is the same on all positions.



	L	A	B	C		
617587	430	150	48	392	1058	



1701/5

Bushing extractor set

- Tool is used for removing old bushings from the rear shock.
- With use of this tool and a vice, removal of the bushing is incredibly easy.
- Tool supports bushings removal with diameter 12 mm and diameter 12,7 mm.



623006	12-12,7	11,8	13,9	12,5	14,9	22	76	310	
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1702

Fork seal installation tool

- Tool is intended for installation of fork dust seals on front fork suspension. Based on the seal dimension, appropriate version of the tool is used - 32mm, 34mm, 35mm/36mm or 40mm. Tool is made from firm plastic and does not damage the seal or the fork housing.



623024	32	84	
623025	34	92	
623026	35/36	100	
623027	40	123	

1696

Fork threading tool

- material: special tool steel
- ergonomic heavy duty double component handle
- The fork threading tool is designed for cutting new threads and for chasing existing threads on steerer tubes that are not chromed. Made from quality steel and designated for long life use. Use the tool on the steerer tube under 90° angle. When cutting threads, use cutting grease. The ergonomic design of the handle ensures optimal force transmission and effective work.



	M	L	A	B		
616074	1" x 24 tpi	370	31	84	1100	
619633	1.1/8" x 24 tpi	370	31	84	1130	

1696.1

Steerer cutting guide

- material: special tool steel
- to be used with tool 1696



	M	D	A		
616075	1" x 24 tpi	55	15	162	

1696.2

Steerer cutting guide

- material: special tool steel
- to be used with tool 1696



	M	D	A		
617898	1.1/8" x 24 tpi	55	16	155	

1694

Head tube reamer 1.1/8"

- material: special tool steel
- ergonomic heavy duty double component handle
- maximum head tube length – 190 mm
- maximum edging depth – 15 mm
- When head set bearings start to falter due to wear and tear, we repair the parallel alignment of the head tube surface. By edging the head tube, we

- achieve the head set cups being optimally adjusted to the head tube.
- The special advantage of the Union edging machine is the option of fast uncoupling and regulation. The sharpened centring cone is fitted on the bearing that enables smooth operation of the tool. All the cutting surfaces are characterised by top-level quality.



	D	A	B	C		
617593	1.1/8"	425	335	180	2070	

1694.1

Reamer for 1694

- material: special tool steel

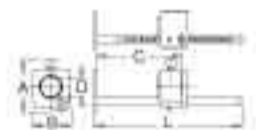


	D	A	B		
617824	1.1/8"	39	44,1	295	

1604/2

Steerer cutting guide, for professional use

- material: special tool steel
- for dimensions: 1" in 1.1/8"
- When the steering tube on a new fork is longer than necessary, it needs to be shortened to the correct length. The cutting guide enables an even and precise cut of the steerer tube with dimensions 1" or 1.1/8", while the mounted measuring gauge enables a fast and precise determination of steering tube length desired after the cut. Clamp the fork into the cutting rail and set the desired length by means of the measuring gauge. The cut must be positioned exactly on the opening of the guide itself. Lightly tighten the screw. Install the cutting guide along with the fixed fork to the vice on the work bench. Saw the steering tube by means of a saw (product no. 750) through the opening in the guide. The housing, made in a compact and precise way, does not leave scratches on the steering tube.

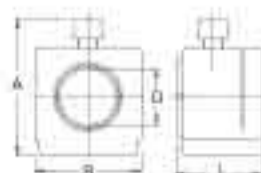


	D	D	A	B	C		
618409	1"	1.1/8"	77	57,5	200	1030	

1605/2

Steerer cutting guide

- material: special tool steel
- for dimensions: 1" in 1.1/8"
- When the steering tube on a new fork is longer than necessary, it needs to be shortened to the correct length. The cutting guide enables an even and precise cut of the steerer tube with dimensions 1" or 1.1/8", while the mounted measuring gauge enables a fast and precise determination of steering tube length desired after the cut. Clamp the fork into the cutting rail and set the desired length by means of the measuring gauge. The cut must be positioned exactly on the opening of the guide itself. Lightly tighten the screw. Install the cutting guide along with the fixed fork to the vice on the work bench. Saw the steering tube by means of a saw (product no. 750) through the opening in the guide. The housing, made in a compact and precise way, does not leave scratches on the steering tube.



	D	D	A	B	L		
618419	1"	1.1/8"	70	55	44	821	



1678/2BI

Tools for bike frame

- material: special tool steel, hardened and tempered
- ergonomic heavy duty double component handle
- surface finish: chrome plated to standard EN12540
- The bike pincers are designed for quick and easy removal of bike tires and tubes on older and city bikes with metal frames.
- Its long handle enables you to generate sufficient force to loosen the rims allowing you enough space to simply remove the tire or tube from the wheel without having to dismount the entire wheel. Thanks to its spring lock, the tool will always remain in the position of your choice allowing you to use it single handedly.



Barcode	L	A	B	C, F	Weight	Icon
620077	465	50	220	65	1405	

1613/2BI

Pedal wrench, profi

- material: special tool steel, hardened and tempered
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered
- ergonomic heavy duty double component handle
- The professional pedal wrench has two 15 mm openings set at different angles so the user can achieve precise and efficient removal of the pedal regardless of the pedal axle position. The wrench design and finish ensure durability, strength and precision work. An extra long handle provides the leverage to remove even the tightest pedals. Also incorporated into this wrench is a bottle opener.



Barcode	S1	S2	S3	L	A	Weight	Icon
615537	15	15	15	350	5	381	

1610/2

Pedal wrench

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered
- Pedal wrench is intended for quick, simple and effective assembly and disassembly of the pedals. Extremely long and slim body as well as specially designed jaw enable perfect adaptability to the pedals. Higher speed and safety by screwing and unscrewing the pedals compared to the traditional open end wrench ensures comfortable working without damage. The pedal wrenches are available in three different dimensions: 15 x 15 for pedals, while 15 x 17 and 15 x 9/16" for hubs.



Barcode	Size	L	A	Weight	Icon
615011	15 x 15	340	22	269	
615012	15 x 17	340	24	261	
615127	15 x 9/16"	340	22	269	



1695/4BI

Handle for pedal taps

- Tap handle is used with one of the cutting taps, for example the pedal tap 1695.1AR.
- Long handles enables precise and easy use.



Barcode	Weight	Icon
623190	420	

1695

Frame taps

- material: special tool steel
- Its function is to scrape out the rust or restore damaged threads. Available in three different dimensions.
- The finish prevents from external damages.
- M10 - frame tap for derailleur hanger (616079) M5 - frame tap for water bottle, fender, rack bosses (616078) M3 - frame tap for derailleur hanger (616077)



Barcode	M	L	Weight	Material
616077	3	60,5	8	Steel
616078	5	60,5	11	Steel
616079	10	60,5	22	Steel

1695.1

Pedal taps

- material: special tool steel
- Precise design and hardened to stay sharp. 1695.1 is used to restore existing pedal threads and is available in set (left and right).



Barcode	M	L	Weight	Material
616080	14 x 1,25	60,5	79	Steel

1695.2

Pedal taps

- material: special tool steel
- Precise design and hardened to stay sharp. 1695.2 is used for cutting new threads before inserting pedal thread inserts 1695.3 or 1695.4 and is available in set (left and right).



Barcode	M	L	Weight	Material
616081	16 x 1	90,5	140	Steel



1695.3

Pedal thread inserts, 10 pieces set, right

- material: special tool steel
- Inner dimension: M14 x 1,25
- Outer dimension: M16 x 1
- Pedal thread inserts are used to replace damaged threads in cranks. They are used together with appropriate pedal taps and are available in 10 pcs sets.



Barcode	M1	M2	L	Weight	Material
616082	M 16 x 1	M 14 x 1,25	13,2	45	Steel

1695.4

Pedal thread inserts, 10 pieces set, left

- material: special tool steel
- Inner dimension: M14 x 1,25
- Outer dimension: M16 x 1
- Pedal thread inserts are used to replace damaged threads in cranks. They are used together with appropriate pedal taps and are available in 10 pcs sets.



Barcode	M1	M2	L	Weight	Material
616083	M 16L x 1	M 14L x 1,25	13,2	42	Steel



1695.1AL

Pedal taps

- material: special tool steel
- Precise design and hardened to stay sharp. 1695.1AL is used for cutting new left threads before inserting left pedal thread inserts 1695.3L. Pedal tap 1695.1AL removes the old thread before making a new one, so no other tap is needed.



Barcode	M	L	Weight	Material
616554	5/8" x 24 TPI	85,5	81	Steel

1695.1AR
Pedal taps

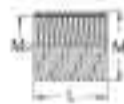
- material: special tool steel
- Precise design and hardened to stay sharp. 1695.1AR is used for cutting new right threads before inserting right pedal thread inserts 1695.3A. Pedal tap 1695.1AR removes the old thread before making a new one, so no other tap is needed.



Barcode	M	L	Weight	Material
616553	5/8" x 24 TPI	85,5	80	Steel

1695.3A
Pedal thread inserts, 10 pieces set, right

- material: special tool steel
- Inner dimension: 9/16 x 20 TPI
- Outer dimension: 5/8 x 24 TPI
- Pedal thread inserts are used to replace damaged threads in cranks. They are used together with appropriate pedal taps and are available in 10 pcs sets.



Barcode	M1	M2	L	Weight	Material
616551	5/8 x 24	9/16 x 20	16,3	49	Steel

1695.4A
Pedal thread inserts, 10 pieces set, left

- material: special tool steel
- Inner dimension: 9/16 x 20 TPI
- Outer dimension: 5/8 x 24 TPI
- Pedal thread inserts are used to replace damaged threads in cranks. They are used together with appropriate pedal taps and are available in 10 pcs sets.



Barcode	M1	M2	L	Weight	Material
616552	5/8L x 24	9/16L x 20	16,3	50	Steel

1609.1/2
Wrench for Shimano plastic bolt

- Tool is used for removal and installation of Shimano plastic bolts that are used on the Hollowtech II cranksets
- Tool can be used by hand or with help of wrench size 13 mm
- Strong magnet in the back of the wrench, enables the tool to be stored on a convenient place.



Barcode	A	B	D1	D2	D3	R1	R2	Weight	Material
623120	4	1,85	32	15,4	13	2,3	2,5	33	Steel

1608/2BI
Bottom bracket tool

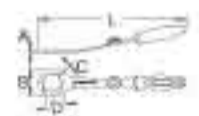
- material: special tool steel, hardened and tempered
- surface finish: chrome plated according to EN12540
- ergonomic heavy duty double component handle
- This tool is made for the installation and removal of bottom brackets XTR[®] and Dura Ace and enables easy work without slippage and damage



Barcode	L	A	S	D	Weight	Material
615534	350	4	3,8	32,3	296	Steel

1609/2BI
Lockring wrench

- The wrench is used to remove and install bottom brackets Shimano[®] XTR - FC - M960, XT FC - M 760, SAINT FC - M 800, RACE FACE[®] X-TYPE, FSA[®] MEGAE X, Truativ[®] Giga X- Pipe without slippage or damage. The wrench has an additional feature to loosen the plastic pin of the bottom bracket.
- material: special tool steel, hardened and tempered
- surface finish: chrome plated according to EN12540
- ergonomic heavy duty double component handle

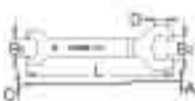


Barcode	L	A	B	D	C	Weight	Material
615536	350	4	66	42,7	2,8	316	Steel

1672/2

Adjustable cup wrench, for older bottom bracket models

- material: special tool steel, hardened and tempered
- The wrench is used for installing and removing of older bottom brackets. The wrench fits perfectly in the hand while the slim body and gap form enable quick and efficient installation and removal of older types of bottom brackets. The length of the key is 204 mm.



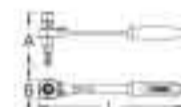
	L	B1	B2	A	C	D		
618414	204	27,3	31	-2,5	3	16,5	113	

1621/1AB1

Ratcheting bottom bracket wrench



- material: special tool steel
- 75 - teeth
- ergonomic heavy duty double component handle
- The ratchet has exchangeable screwdriver socket HX8 mm and socket 14 mm. Both are used for nuts on the crank.



			L	A	B		
616288	14	8	260	91	35	381	

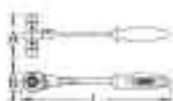


1621/1BI

Ratcheting bottom bracket wrench



- material: special tool steel
- ergonomic heavy duty double component handle
- 75 - teeth
- The design of the Union ratcheting hub nut wrench enables working in hard to reach places. New shape enables higher torque, reduces physical effort and ensures a longer working life of the tool. Maximum torque is assured by the shape of the handle. A perfect fit to the hand makes it comfortable to work with.
- The ratcheting nut wrench is made for tightening and loosening nuts of 14 and 15 mm dimensions. Special pins prevent the loss of the socket.
- Interchangeable sockets: 14 mm and 15 mm

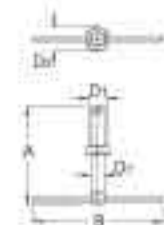


		L	A	B		
615248	14 x 15	260	71	35	380	

1607/4

Bottom bracket shell installation tool

- material: special tool steel
- surface finish: blacken to standard DIN 50938
- This tool is used for the installation and removal of the bottom bracket shell of 35, 8 mm and 36, 3 mm. It is made of quality steel with heat treatment and surface protection. The advantage of the tool is that it prevents slipping off the shell.



	A	B	D1	D2	D3		
616293	220	290	36,5	32	54	1750	

1661/4

Crank puller

- The crank puller is designed to remove standard square spindle cranks. With help of additional adapter that comes with the tool, other standards such as ISIS and Octalink cranks can be removed as well.
- material: special tool steel, hardened and tempered.
- drop forged, entirely hardened and tempered
- Surface finish: blacken

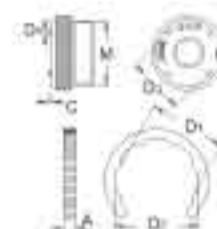


Barcode	S1	S2	M	L	D	Weight	Material
615529	16,9	14	22 x 1	74,5	13	139	Steel

1626A

Campagnolo Power and Ultra Torque full set, also for Fulcrum Ultra Torque Campagnolo Power and Ultra Torque full set, also for Fulcrum Ultra Torque

- This full set includes complete crank and bearing removal and installation tools for Campagnolo® and Fulcrum® Ultra Torque crank sets as well as for Campagnolo® Power Torque system.



Barcode	Weight	Material
623207	570	Steel

1626.1A

Campagnolo Power Torque tool set for crank removal and bearing installation

- Tool set 1626.1A is used together with 1626/2 Campagnolo Ultra Torque bearing removal and installation set. It's used to remove the Power Torque standard cranks and install & remove bearings on this crank.



Barcode	Weight	Material
623086	100	Steel

1664

XTR crank puller

- material: special tool steel, hardened and tempered
- The crank puller is used for removing new XTR cranks. To use, remove the plastic ring on the outer side of the crank by using four pins on the left puller side. Unthread the nut on the inner crank side with the plastic clamp. Thread the puller with its right side into the crank and use a hexagonal wrench to unthread the nut fixing the crank. Now thread the puller, attached with its inner side to the crank nut, till it is released from the crank. The product enables optimal efficiency and is suitable for both professionals and home users.

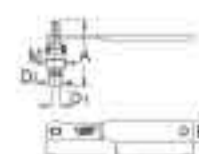


Barcode	D1	D2	D3	D4	A	M	C	Weight	Material
619710	37	40	26,9	1,8	5,9	M 30 x 1	2	84	Steel

1661.3/4P

Standard, Shimano Octalink and Isis crank puller with handle

- The crank puller is used for removing Shimano Octalink and ISIS cranks as well as for standard square spindle cranks. A strong handle enables quick and easy use. The product enables optimal efficiency and is suitable for both professionals and home users.



Barcode	D1	D2	M	A	B	L	Weight	Material
623088	11,5	16	M22 x 1	75	24	165	215	Steel

1662/4

Taper thread crank puller

- material: special tool steel, hardened and tempered
- This crank puller is used to remove cranks with damaged inner thread, when the crank can not be removed with a normal crank puller.



	M1	M2	S		
619707	12 x 1	22 x 1	19	126	



1671.1/4

Cartridge bottom bracket tool

- material: special tool steel, hardened and tempered
- For: Shimano®, ISIS®
- Use it together with the ratchet 1/2" article 190.1AB1.



616068	112	

1671.2/4

Cartridge bottom bracket tool

- material: special tool steel, hardened and tempered
- For: Shimano®, XTR BB-950, Bontrager®, and Truvativ® (ISIS Drive® type)

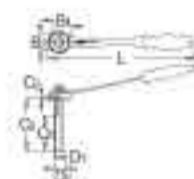


616069	211	

1671.5/2BI

Shimano hollowtech® cartridge bottom brackets tool with handle

- material: special tool steel, hardened and tempered
- The tool is composed of a wrench, screw with nut and handle. To use, put the wrench onto the bottom bracket nut, so that the screw is inserted into the bottom bracket. This prevents the wrench from slipping and damaging the bottom bracket nut when applying pressure. Your work is made easy by the 350 mm long handle with a two-component ergonomic sleeve. An additional part on the screw is a 19 mm AF to be used with a 19 mm wrench and for torque checking with a torque wrench. The wrench can also be used independently with a 19 mm wrench without the screw with nut and handle.

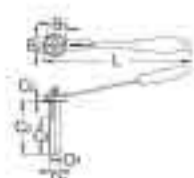


	L	R1	R2	D1	D2	C1	C2	C3		
619713	348	42,7	46	18	23,8	90	5,5	128,5	780	

1671.6/2BI

Campagnolo® ultra-torque cartridge bottom brackets tool with handle

- material: special tool steel, hardened and tempered
- The tool is composed of a wrench, screw with nut and handle. To use, put the wrench onto the bottom bracket nut, so that the screw is inserted into the bottom bracket. This prevents the wrench from slipping and damaging the bottom bracket nut when applying pressure. Your work is made easy by the 350 mm long handle with a two-component ergonomic sleeve. An additional part on the screw is a 19 mm AF to be used with a 19 mm wrench and for torque checking with a torque wrench. The wrench can also be used independently with a 19 mm wrench without the screw with nut and handle.

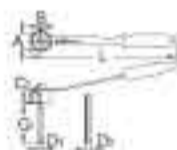


	L	B1	B2	D1	D2	C1	C2	C3		
619714	348	42,7	46	18	24,5	90	10,5	117	770	

1671.7/2BI

Truativ® cartridge bottom brackets tools with handle

- material: special tool steel, hardened and tempered
- The tool is composed of a wrench, screw with nut and handle. To use, put the wrench into the bottom bracket nut, so that the screw is inserted into the bottom bracket. This prevents the wrench from slipping and damaging the bottom bracket nut when applying pressure. Your work is made easy by the 350 mm long handle with a two-component ergonomic sleeve. An additional part on the screw is a 19 mm AF to be used with a 19 mm wrench and for torque checking with a torque wrench. The wrench can also be used independently with a 19 mm wrench without the screw with nut and handle. The tool comes with an adjustable sleeve 13.9 mm.



Barcode	L	D1	D2	C1	C2	A	B	Weight	Material
620206	335	10,8	13,9	89	5	37,4	4,0	677	1

1671.8/2BI

Cartridge bottom bracket tool

- material: special tool steel, hardened and tempered
- ergonomic heavy duty double component handle
- The double threaded screw enables you to use this tool for Shimano standard bottom brackets as well as for Shimano Octalink and Truativ bottom brackets.
- It is composed of wrench, product no. 1671.1, screw with nut and handle.
- This tool enables us, to fix the wrench into the axle with additional screw that comes with the tool. This prevents the wrench from slipping and damaging the bottom bracket nut. Work is made easy by the 350 mm long handle with the two-component ergonomic sleeve. The same procedure can be used for installation. The screw is 24 mm AF and is for use with a 24 mm wrench, and for torque checking with torque wrench. The handle can be taken down if necessary.

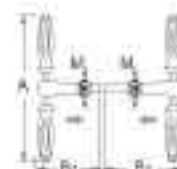


Barcode	Weight	Material
623087	490	1

1697

Bottom bracket tapping tools (BSA)

- material: special tool steel
- This tool is used for tapping the threads in the bottom bracket shell of a frame. 1697 supports the BSA bottom bracket standard. When cutting left and right thread insert the tool at one time parallel from both sides into the bottom bracket shell of a frame. Always use cutting oil when using this tool. The design enables effective and precise work
- ergonomic heavy duty double component handle



Barcode	M	A	B1	B2	Weight	Material
616076	1.3/8 x 24 tpi	335	145	180	2200	1

1697.1

Spare taps for 1697 (BSA)

- material: special tool steel
- left and right taps available in set for article 1697

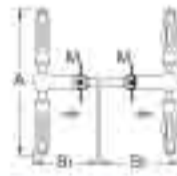


Barcode	Material	Weight	Material
617310	1.3/8 x 24 tpi (BSA)	18	117

1698

Bottom bracket tapping tools, ITAL

- material: special tool steel
- ergonomic heavy duty double component handle
- This tool is used for tapping the threads in the bottom bracket shell of a frame. When cutting left and right thread, insert the tool at one time parallel from both sides into the bottom bracket shell. Design of the tool enables effective and precise work. The 1698 model is intended especially for frames of Italian origin that have a right-hand thread on both sides (36 mm x 24 tpi).



	M	A	B1	B2		
617589	36 x 24 tpi (ITAL)	335	145	180	2300	

1698.1

Spare taps for 1698

- material: special tool steel
- Left and right taps available in set for product no. 1698.



	M	A		
617590	36 x 24 tpi (ITAL)	18	122	

1699.1

Facing tool for 1699

- material: special tool steel



	A	D		
617592	29	44	197	

1699

Bracket shell facing tool (BSA and ITAL)

- material: special tool steel
- ergonomic heavy duty double component handle
- To clean the surface of the bottom bracket shell, use the complete set of tools for frontal treatment and edging.

Use is simple:

- Tighten the bits with the thread into the bottom bracket shell and fit the spring and nut for ensuring an appropriate axial force. Well-considered design and top-level manufacture of the tool will enable the left and right sides of the bottom bracket shell to be simultaneously treated and coaxially edged.



	M1	M2	A	B	C	D1	D2		
617591	36 x 24 tpi (ITAL)	1.3/8 x 24 tpi (BSA)	325	335	90	34.8	33.5	2340	

1625/2

Tool for removing bottom bracket bearing BB30

- This tool is designed to remove the non-threaded bottom bracket bearings of the BB30 bottom bracket system. The removal tool will drive bearings from the BB30 bottom bracket shell.



	A	B	C	D			
621660	60	54	17	35	19	346	

1625/2BB90

Tool for removing bottom bracket BB90

- This tool is designed to remove the non-threaded bottom bracket bearings and cups of the BB90 bottom bracket system. It also supports other press fit standards with 24mm spindle, such as BB86, BB92, SRAM Press Fit GXP. The removal tool will pull the bearings & cup from the frame.



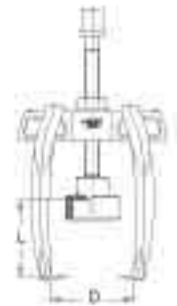
623085	283		



1626/2

Campagnolo and Fulcrum Ultra Torque bearing removal and installation set

- Designed and built to install and remove the pressed bearing used on Campagnolo® and Fulcrum® Ultra-Torque cranks.
- The bearing puller's forged arms and tapered edges securely pinch under the bearing while the heavy-duty plunger system "pulls" the bearing.
- The installation tool precisely fits both the crank spindle and the press fit bearing to ensure proper installation. Just tap the bearing into place using the tool and a hammer.



	L	D ₁	D ₂		
621661	75	40	75	500	

1659/2

Freewheel remover, 1/8"

- material: special tool steel, hardened and tempered
- surface finish: chrome plated according to EN12540
- The freewheel remover is designed for removal of single speed freewheels, which are broader than multi speed freewheels. The chain fits precisely to the freewheel teeth and thus enables effective work without slippage or damage to the sprockets. An added retaining spring is a special feature distinguishing this tool from similar products.



	L	C		
619589	350	1/2" x 1/8"	357	

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

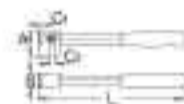


	L	C		
615528	350	1/2" x 3/32"	361	

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.



	L	A	B	C1	C2		
619704	243	42	25	4,5	7	542	

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 cog when applying force, the sprocket is heavily worn out and a replacement is overdue.
- surface finish: chrome plated according to EN12540



	L	B	A	C		
619717	250	12	42	1/2"	86	

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.

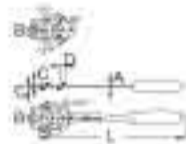


	S1	S2	S3	S4	L	A	C		
618415	14,8	10,2	3,6	12,5	98	1,5	11	18	

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



Barcode	L	D	A	C	B1	B2	Weight	Material
617235	350	8,6	4	6,4	49,8	46	238	Steel
622881	350	8,6	4	6,4	53,1	57,7	238	Steel



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.



Barcode	A	B	D1	D2	S	Weight	Material
616062	44,7	3,0	22,72	21,24	21	57	Steel

1670.2/4

Freewheel remover Suntour®

- For: Suntour®



Barcode	A	B	C	D1	D2	D3	S	Weight	Material
616063	19,9	6,5	3,9	23,9	19,6	25,5	23	37	Steel

1670.3/4

Freewheel remover Suntour®

- For: Suntour®



Barcode	A	B	C	D1	D2	D3	S	Weight	Material
616064	23	6,8	5,4	23,9	19,9	26,7	24	42	Steel

1670.4/4

Freewheel remover Compagnolo®

- The freewheel remover is used for removing and assembling Compagnolo® freewheels.
- Use the freewheel remover together with the UNIOR ratchet 1/2" art. 190.1ABI.



Barcode	A	B	D1	D2	S	Weight	Material
616707	44,2	3,0	22,63	21,35	21	54	Steel

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.



Barcode	A	B	D1	D2	S	Type	Weight	Material
616065	45,4	2,1	23,40	21,20	21	Stam	66	Steel

1670.6/4

Freewheel remover for BMX®

- Freewheel BMX®



Barcode	A	B	C	D1	D2	S	Weight	Material
616066	25,4	7,8	5,0	40,9	35	24	84	Steel

1670.7/4

Freewheel remover with guide pin

- Freewheel Remover with guide pin for Shimano®, SRAM® Sun Race®, Suntour® and others.



Barcode	A1	A2	B	D1	D2	D3	S	Weight	Material
616067	69,1	37,5	2,3	23,40	21,25	3,0	24	85	Steel

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.



Barcode	L	B	A	C	D1	D2	Weight	Material
617908	337	1,5	4	7,9	23,6	5,0	340	Steel

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.



Barcode	Weight	Material
616294	123	Steel

253.1/4A

Pin set 2 pieces for 253/2DP

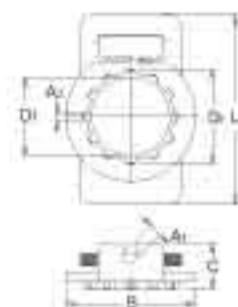


Barcode	Weight	Material
621020	7	Steel

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, than 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.

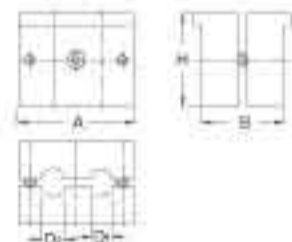


Barcode	L	B	D1	D2	A1	A2	C	Weight	Material
616758	47	32	19,5	23,6	3,4	1,8	12	20	Steel

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.



Barcode	D1	D2	A	B	H	Weight	Material
619715	9	10	50	35,5	40	488	Steel





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



Barcode	D	B	L	H	Weight	Material
621662	3,4	22	150	72	175	St

1647.1/4A

Replaceable pin for screw type chain tool, 2 pcs set



Barcode	D1	D2	L	Weight	Material
621734	3,4	4	24	10	St

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



Barcode	Weight	L	B	A	C	Weight	Material
617170	0-1,2	137	25,5	20	137	168	St

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.



Barcode	L	B	A	Weight	Material
615377	243	29	13	426	St

1640.1/4

Replaceable pin for chain rivet pliers

- surface finish: blacken to standard DIN 50938



Barcode	D1	D2	M	L	Weight	Material
605956	2,8	3,8	M5	16	7	St

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.



Barcode	L	A	B	C	Weight	Material
617171	122,5	2	37	12,7	40	St



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.

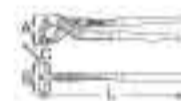


Barcode	L	A	B	C	D	Weight	Material
619719	185	14	18	2,3	4	246	St

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.

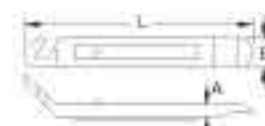


Barcode	L	A	B	C	Weight	Material
617586	300	61	64	7	588	St

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.



Barcode	Weight	L	A	B	Weight	Material
621984	2	115	6	15	18	Pl

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



Barcode	L	A	B	Weight	Material
620591	180	17.5	25	224	☐



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.



Barcode	C↓	C↑	A	B	Weight	Material
618486	320	660	667	70	850	☐

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.



Barcode	S1	S2	L	A	Weight	Material
620179	4	4,5	100	4	29	☐
622789	3,3	3,45	100	4	29	☐

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.



Barcode	S1	S2	L	A	Weight	Material
618410	4,3	4,4	100	4	29	☐



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
618411	6	10,9	120	3,7	5,4	4	41	Steel

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.



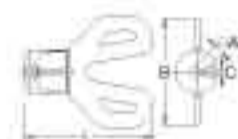
Barcode	S1	S2	L	A	Weight	Material
619718	5	5,5	100	4	29	Steel



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

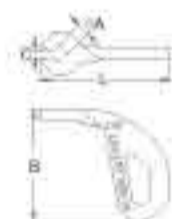


Barcode	Flat	A	B	C	Weight	Material
615532	3.3	3,3	42	2,2	27	Steel
615533	3.45	3,45	42	2,2	27	Steel

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.

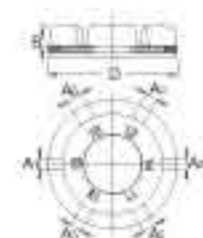


Barcode	Flat	A	B	C	Weight	Material
616759	3.3	3,3	30	2,2	15	Steel
616845	3.45	3,45	30	2,2	15	Steel

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.

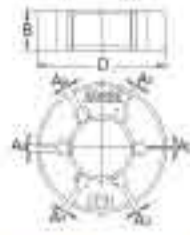


Barcode	D	B	A1	A2	A3	A4	A5	A6	Weight	Material
616289	40	10	3,3	3,45	3,7	3,96	4,4	5	50	Steel

1632

Flat spoke wrench

- material: polyamide



Barcode	D	B	A1	A2	A3	A4	A5	A6	Weight	Icon
617588	40	12	1	1,2	1,5	1,8	2	2,2	22	Icon

1629

Spoke, bearing and crank cotter gauge

- This easy to use tool enables us to measure spokes dimensions and bearing and crank cotter diameters.



Barcode	L	B	Weight	Icon
620561	357,5	30,8	129	Icon

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.



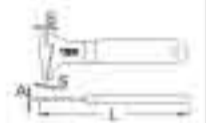
Barcode	L	D	B	A	C	Weight	Icon
618413	342	31,7	3,0	4,0	3,5	285	Icon



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.



Barcode	S	L	A	Weight	Icon
619716	2,2	183	4	177	Icon

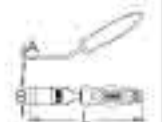
1750/2BI

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



Barcode	A	B	L	Weight	Icon
621889	3,5	25	160,5	130	Icon

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	⊖	⊖	L	A	Weight	⊞
615120	2		13/14 x 15/17; 13/14 x 15/16		152	⊞

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

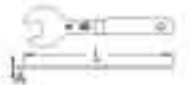


Barcode	⊖	⊖	L	A	Weight	⊞
615125	13 x 14	15 x 17	155	2,2	69	⊞
615126	13 x 14	15 x 16	155	2,2	69	⊞

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	⊖	L	A	Weight	⊞
615518	13	200	2	86	⊞
615519	14	200	2	82	⊞
615520	15	200	2	84	⊞
615521	16	200	2	81	⊞
615522	17	200	2	80	⊞
615523	18	200	2	97	⊞
615524	19	200	2	81	⊞
615525	20	200	2	96	⊞
617840	22	220	3	134	⊞
621918	23	220	3	132	⊞
617841	24	220	3	130	⊞
619554	27	240	3	151	⊞
615367	30	275	4	293	⊞
615368	32	275	4	286	⊞
615369	34	275	4	289	⊞
615370	36	275	4	279	⊞
615371	40	275	4	275	⊞
615456	42	275	4	277	⊞
615457	44	275	4	270	⊞



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	⊖	L	A	Weight	⊞
615373	8 x 9	109	4,1	21	⊞
615374	10 x 11	125	4,9	32	⊞
615375	12 x 13	139	5,3	46	⊞
615376	14 x 15	154	5,8	69	⊞

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.

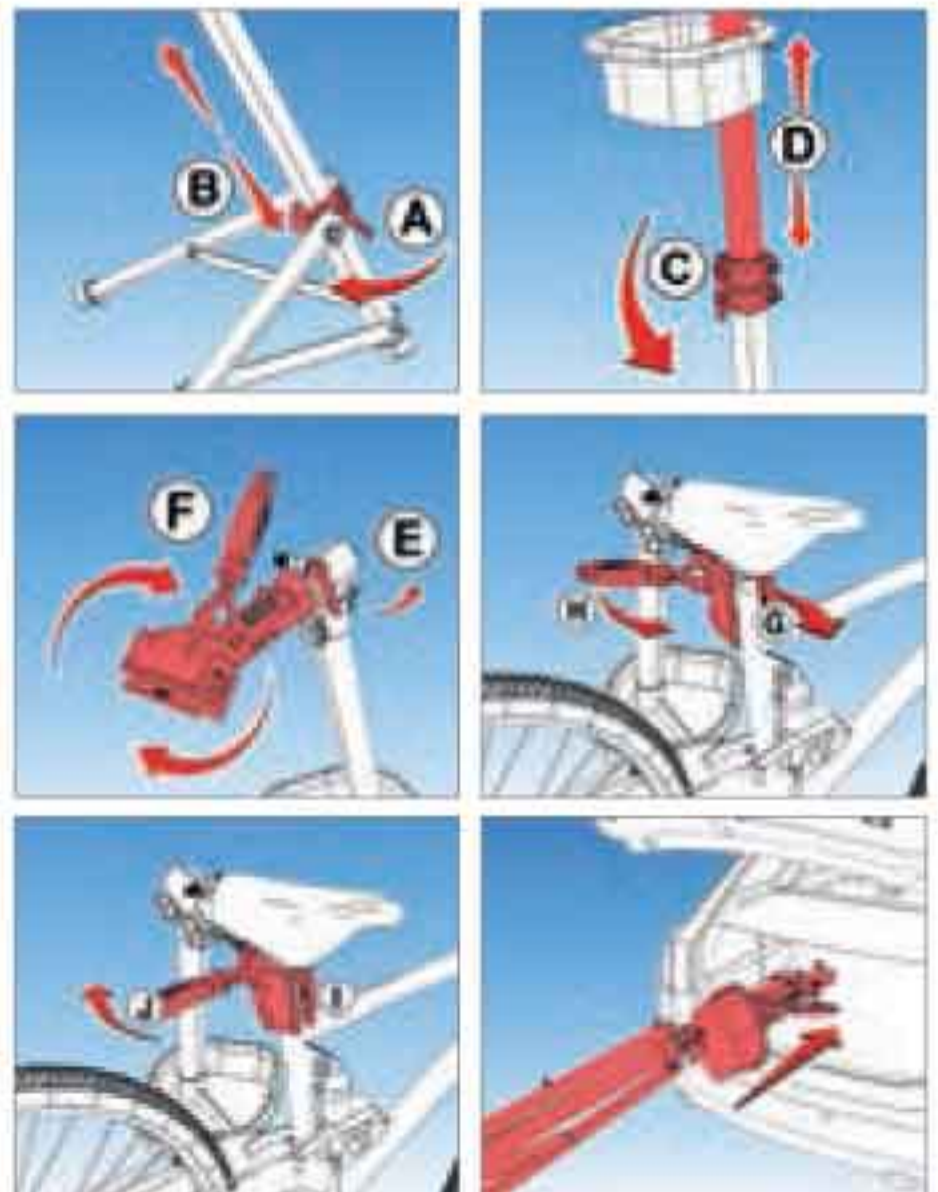
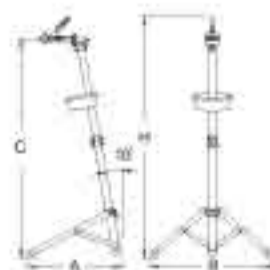


Barcode	●	●	●	A	B	C	Weight	⊞
618405	2	2,5	3	128	111	12,5	86	⊞
618406	4	5	6	128	111	12,5	89	⊞

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

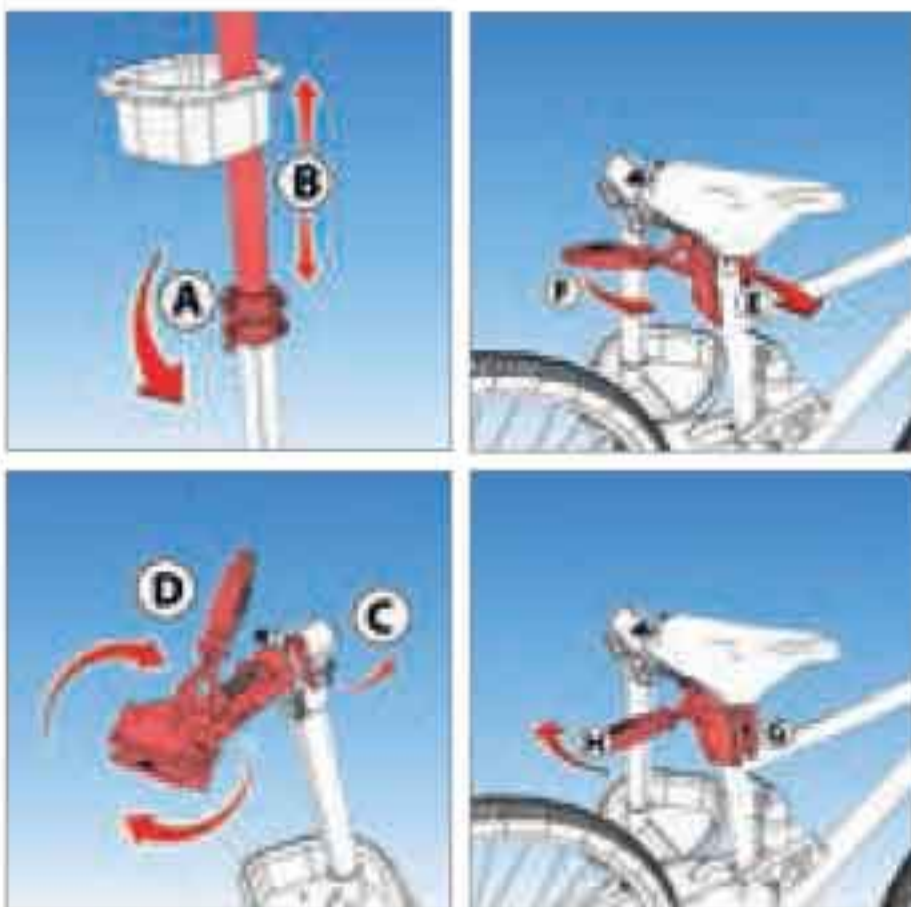
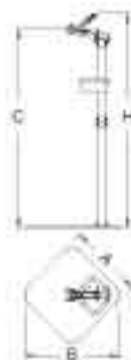


Barcode	Nº	C ↓	C ↑	B	A	H ↑	Weight	⊞
621470	1693A	980	1550	870	665	1680	8600	⊞
623222	1693AS	980	1550	870	665	1680	8600	⊞

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 1693B5 is stand with fixed plate and jaw with adjustable nut
- Code 623227 article 1693B51 is stand with jaw with adjustable nut and without fixed plate
- Repair bike stand 1693B1 and 1693B51 is designed for floor or ceiling mount.

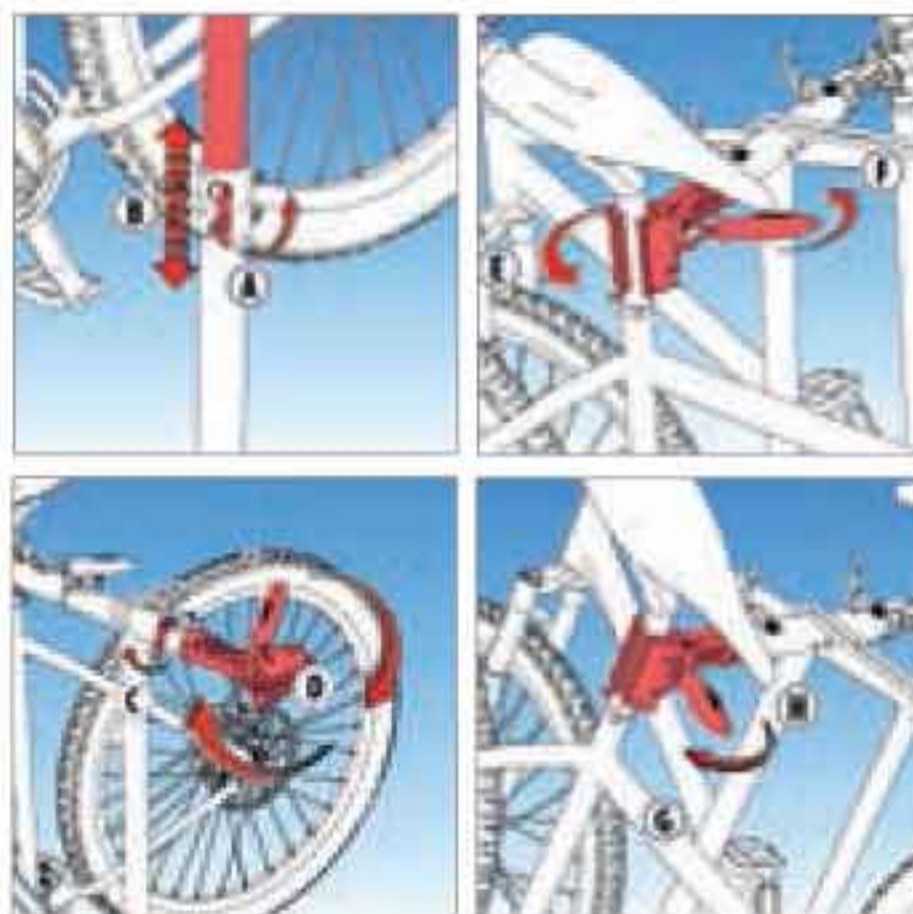
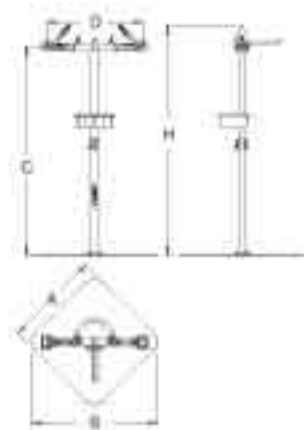


Barcode	Nº	C ↓	C ↑	B	A	H ↑	Weight	Icon
621471	1693B	985	1570	726	572	1700	36800	📦
623226	1693B1	985	1570			1700	6800	📦
623223	1693B5	985	1570	726	572	1700	36800	📦
623227	1693B51	985	1570			1700	6800	📦

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.



Barcode	Nº	H	D	C ↓	C ↑	A	B	Weight	Icon
622581	1693C	1680	704	985	1570	700	905	56500	📦
623228	1693C1	1680	704	985	1570			11500	📦
623224	1693CS	1680	704	985	1570	700	905	56500	📦
623229	1693CS1	1680	704	985	1570			11500	📦
623230	1693CS2	1680	704	985	1570			11500	📦

1693.1
Jaw with spring for 1693

- Suitable for tubes with diameter of min. $\varnothing 24$ mm and max. $\varnothing 32$ mm.



	D	D	B	A	L		
621472	24	32	96,5	192	305	3000	

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.



623023	230	


1693.15
Jaw with adjustable nut for 1693

- Suitable for tubes with diameter of min. $\varnothing 24$ mm and max. $\varnothing 38$ 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.



	D	D	B	A	L		
623206	24	38	96,5	192	305	1850	

1693.4B
Fixed plate for 1693B

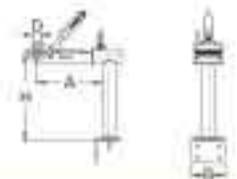

	B	A		
623231	726	572	30000	

1693.4C
Fixed plate for 1693C


	B	A		
623232	905	700	45000	

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. $\varnothing 24$ mm and max. $\varnothing 32$ 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 1693.25 is wall and bench jaw with adjustable nut



	Nº	D	D	B	A	H		
622589	1693.2	24	32	120	239	313	4280	
623225	1693.25	24	38	120	239	313	4280	

1693.11
Replaceable rubber jaw covers for 1693.1, 2 pcs set


	A	B	C		
621961	96,5	66	35	64	

1693.12
Accessories for swiveling vice jaw 1693.1 and 1693.15

- 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.

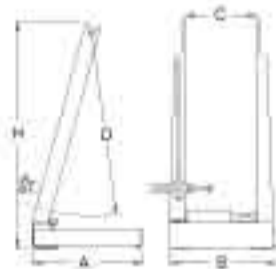


623205	150	

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

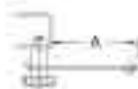


Barcode	D	C	C	A	B	H	Weight	Material
623060	760	90	172	218	217	463	2300	Steel

1688.2

Rim caliper for 1688

- Spare part for 1688 wheel centering stand for home use.

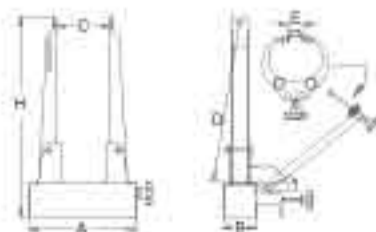


Barcode	A	Weight	Material
621616	96	74	Steel



1689
Wheel centering stand, for professional use

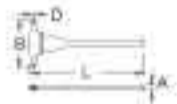
- material: special tool steel
- This stand for professional use is specially designed for bicycle repair shops. It can be bench-mounted or vise-held.
- The calipers enable simultaneous radial control of the wheel position on both sides, with an additional possibility to control radial symmetry in relation 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	H	A	B	C	E	F	Weight	Icon
623059	385	40	206	24	80	282	80	7300	Icon

1689.1
Controlling caliper arm for 1689

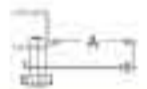
- 1689 professional wheel centering stand arm can get out of center after being used frequently. Controlling caliper arm enables us, to calibrate the stand arm back to its center position.



Barcode	D	B	L	A	Weight	Icon
621615	8	139,5	330	14	1159	Icon

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	Icon
622603	61	45	Icon

1689.3
Adapter for axle hubs

- Adapter for truing wheel sets with 20 mm axle hub



Barcode	Angle	Weight	C	D	B	L	Weight	Icon
623004	12	2	11,9	9,8	17	46	46	Icon
623005	15	2	14,9	9,8	20	46	46	Icon
621617	20	2	19,9	9,8	24,5	46	46	Icon

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.



618371	1675	

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



621983	135	

1600A1

Set of bike tools 13 pcs in bag

- Basic bike tool set for basic repairs. A must-have for every cyclist.



622878	1600A1	13	650	
Ⓞ 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.



622879	1600A2	19	2000	
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

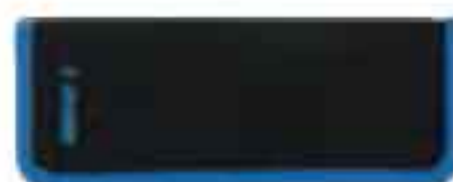
- Bike tool set for home amateur mechanics and bicycle enthusiasts.



622880	1600A3	22	2700	
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



617229	A	210	200	160

1600BT

Empty bag for 1600B



Barcode	A	B	Weight	Icon
617230	390	270	280	📦

1600CT

Empty bag for 1600C



Barcode	A	B	Weight	Icon
617231	380	460	453	📦



1600EN

Set of bike tools 37 pcs

• Intermediate bike tool set satisfies the more demanding mechanic's needs.

Barcode	Nº	Icon	Weight	Icon
622875	1600EN	37	7200	📦

🔑 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.



Barcode	Nº	Icon	Weight	Icon
623008	1600E1N	37	11000	📦

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.

Barcode	Nº	Icon	Weight	Icon
622876	1600GN	50	12700	📦

🔑 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.



№	№	Icon	Weight	Icon
622877	1600G1N	50	20700	Icon
1600GN, 969L (510 x 405 x 270), 969.2L, 969.21L				

1600N

Set of bike tools in tool carriage



№	№	Icon	Weight	Icon
622977	1600N	54	86200	Icon
1600S057, 1600S058, 1600S059, 1600S0510, 1600S0511, 1600S0512, 940E4 (720 x 440 x 895)				

1600S057

Bike tool set in SOS tool tray

• Bike tool set includes most of the tools to handle repairs and maintenance on the headset.



№	№	Icon	Weight	Icon
622862	1600S057	8	7300	Icon
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), v1600S057 (564 x 364 x 30)				

v1600S057

SOS tool tray for 1600S057



№	B	L	H	Weight	Icon
622868	564	364	30	168	Icon

1600S058

Bike tool set in SOS tool tray

• Bike tool set supports chain and basic wheel set repairs.



№	№	Icon	Weight	Icon
622863	1600S058	12	3000	Icon
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, v1600S058 (564 x 364 x 30)				

v1600S058

SOS tool tray for 1600S058



№	B	L	H	Weight	Icon
622869	564	364	30	128	Icon

1600SOS9

Bike tool set in SOS tool tray

• Bike tool set enables reaming and cutting repairs on the bottom bracket.



Barcode	Nº	Tools	Weight	Volume
622864	1600SOS9	3	5000	☑

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), **vi1600SOS9** (564 x 364 x 30)

vi1600SOS9

SOS tool tray for 1600SOS9



Barcode	B	L	H	Weight	Volume
622870	564	364	30	128	☑

1600SOS10

Bike tool set in SOS tool tray

• Bike tool set include tools for advanced work on the headset.



Barcode	Nº	Tools	Weight	Volume
622865	1600SOS10	3	6500	☑

1614/4BI (1" x 1.1/8" x 1.1/2"), 1694 (1.1/8"), 1605/2, **vi1600SOS10**
 (564 x 364 x 30)

vi1600SOS10

SOS tool tray for 1600SOS10



Barcode	B	L	H	Weight	Volume
622871	564	364	30	128	☑

1600SOS11

Bike tool set in SOS tool tray

• Bike tool set includes tools to work on different crankset and bottom bracket standards.



Barcode	Nº	Tools	Weight	Volume
622866	1600SOS11	12	4800	☑

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), **vi1600SOS11** (564 x 364 x 30)

vi1600SOS11

SOS tool tray for 1600SOS11



Barcode	B	L	H	Weight	Volume
622872	564	364	30	128	☑

1600SOS12

Bike tool set in SOS tool tray

• Bike tool set is intended for work with spokes and cassette sprockets.



Barcode	Nº	Tools	Weight	Volume
622867	1600SOS12	15	2500	☑

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, **vi1600SOS12**
 (564 x 364 x 30)

vi1600SOS12

SOS tool tray for 1600SOS12



Barcode	B	L	H	Weight	Volume
622873	564	364	30	128	☑

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.

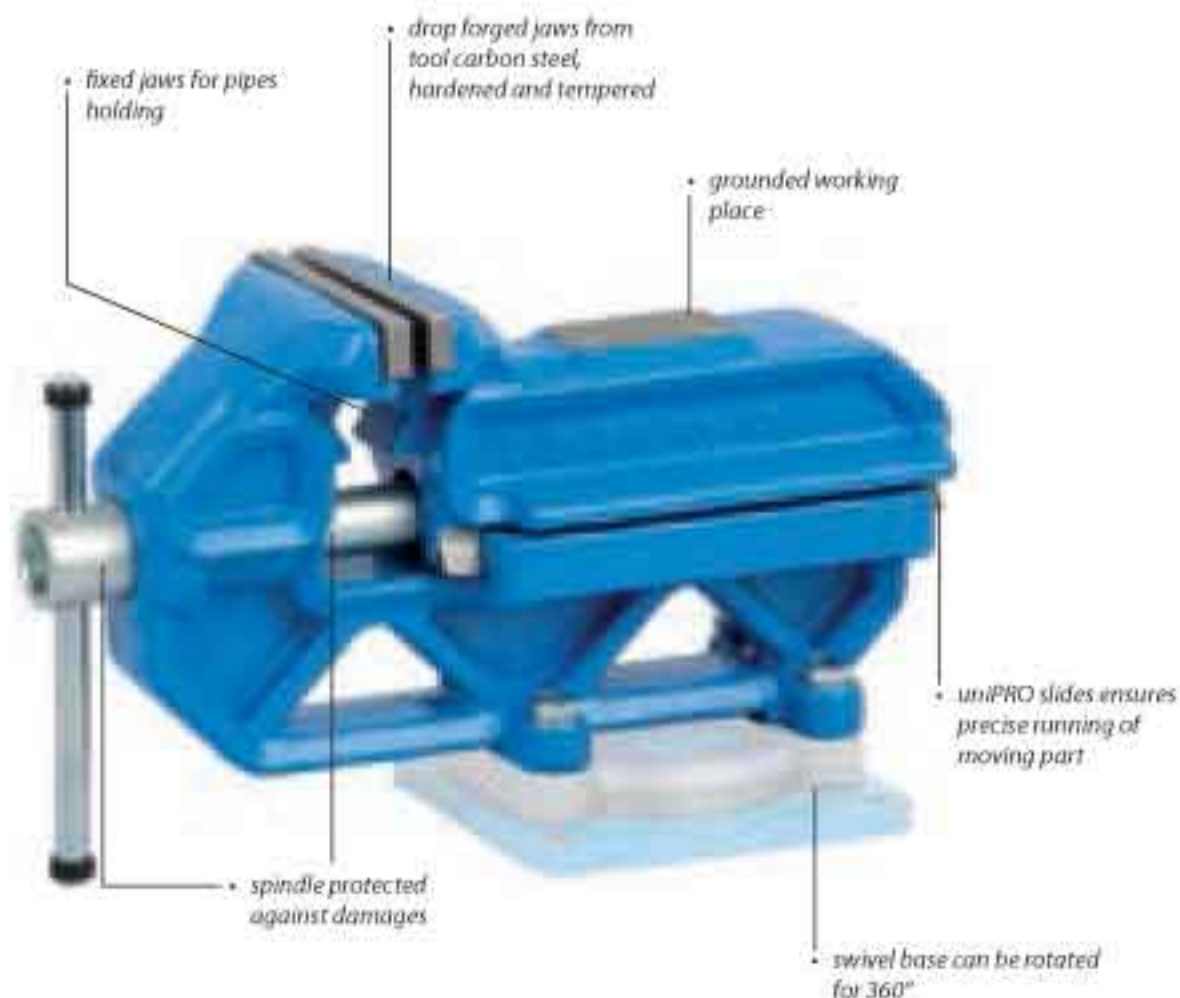
The guides in the clamps enable the accurate movement of jaws with the quick movement handle. Installation on rotating bases ensures that it adapts to the object being worked on.



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, riverter	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



Barcode	B	Df	L	Ø	C	a	b	c	A	Weight	Material
621564	80	100	215	11-35	46	42	28	64	113	3500	EN
621481	125	160	336	17-62	73	66	44	95	176	14400	EN
621567	150	190	400	20-66	88	80	53	117	211	24200	EN
621570	200	220	461	24-80	103	93	62	140	265	37800	EN

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



Barcode	B	Df	L	Ø	C	a	b	c	A	Weight	Material
621482	125	120	336	17-62	77	66	44	95	176	14500	EN
621568	150	190	400	20-66	88	80	53	117	211	23500	EN

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	Width	Weight	Price
621566	80	2570	€
621483	125	2575	€
621569	150	2580	€
621572	200	2585	€

722.1/7

Spare jaw for 721/6 and 721Q/6

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



Barcode	Width	Weight	Price
623083	80	240	€
619020	125	378	€
619021	150	1030	€
619023	200	1365	€

722.1AL

Spare aluminium jaws for 721/6 and 721Q/6

- material: aluminium
- set 2 pieces



Barcode	Width	Weight	Price
623084	80	110	€
619026	125	156	€
619027	150	400	€
619029	200	541	€

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

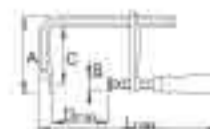


Barcode	DT	C	LT	A	B	Weight	Price
608433	120	100	330	155	25	705	€
608434	160	100	370	155	25	750	€
608435	200	100	410	155	25	800	€
608436	250	100	460	155	25	855	€
608360	300	120	550	180	35	1765	€
608437	400	120	650	180	35	1975	€
608438	500	120	750	180	35	2205	€
608439	600	120	850	180	35	2395	€
608440	800	120	1050	180	35	2880	€
608441	1000	120	1250	180	35	3250	€

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	DT	C	LT	A	B	Weight	Price
601783	120	100	330	155	25	740	€
601784	160	100	370	155	25	800	€
601785	200	100	410	155	25	840	€
601786	250	100	460	155	25	900	€
601787	300	120	550	180	35	1795	€
601788	400	120	650	180	35	1995	€
601789	500	120	750	180	35	2220	€
601790	600	120	850	180	35	2410	€
601791	800	120	1050	180	35	2855	€
601792	1000	120	1250	180	35	3270	€

703/SMH

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



Barcode	D	C	L	A	B	Weight	Material
608230	1000	120	1250	35	180	3515	Steel



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



Barcode	D	C	L	A	B	Weight	Material
609961	160	120	360	25	25	1135	Steel
609962	200	120	400	25	25	1185	Steel
609963	250	120	450	25	25	1250	Steel
609964	300	140	570	35	25	2515	Steel
609965	400	140	670	35	35	2775	Steel
609966	500	140	770	35	35	3045	Steel
609967	600	140	870	35	35	3320	Steel
609972	800	140	1070	35	35	3850	Steel
609973	1000	140	1270	35	35	4305	Steel



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



Barcode	D	C	L	A	B	Weight	Material
607346	1000	120	1250	35	180	3625	Steel

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



Barcode	D	T	C	L	A	B	Weight	Material
617528	250	60	120	530	170	40	1470	Steel
617529	300	100	140	655	190	40	3070	Steel
617530	400	150	140	805	190	40	3550	Steel

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

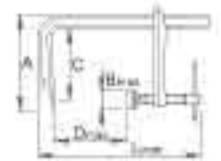


Barcode	D	T	C	L	A	B	W	H
617531	250	60	140	450	170	40	2520	III
617539	300	100	140	560	190	40	2870	III
617540	400	150	140	710	190	40	3350	III

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	C	L	A	B	W	H
609974	160	140	370	155	30	1940	III
609968	200	140	410	155	30	2040	III
609982	250	140	460	155	30	2185	III
609969	300	140	550	180	40	2295	III
609970	400	140	650	180	40	2545	III
609971	500	140	750	180	40	2810	III
609975	600	140	850	180	40	3030	III
609983	800	140	1050	180	40	3550	III
609984	1000	140	1250	180	40	4100	III

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	L2	W	H
601890	407	310	12"	780	III

750B

Hacksaw

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



Barcode	L	L1	W	H
621531	400	300	731	III

750.1B

Spare blade for 750B, 2 pcs set



Barcode	Q	W	H
621532	2	40	III



750.1CAR

Carbon saw blade for 750B, 2 pcs set



623099	40	
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752

Pruning saw

- material: blade carbon tool steel
- handle polystyrene



609424	L1	L		
	330	497	270	

753P

Saw

- plastic handle
- replaceable blade

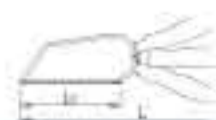


612164	L1	L		
	150	260	192	

753W

Saw

- wooden handle
- adjustable handle
- replaceable blade



612163	L1	L		
	150	305	127	

753.1

Spare blade for 753P, 753W and 753VDE, 2 pcs set

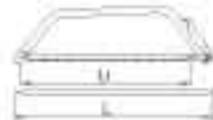


617281	3	
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755

Bow saw

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



612236	L1	L1	L		
	610	24"	700	580	
609407					
	762	30"	850	750	
609408					
	914	36"	1000	810	

755.1

Spare blade for 755



612237	L1	L1		
	610	24"	50	
609409				
	762	30"	78	
609410				
	914	36"	95	

757

Hand saw

- material: blade carbon tool steel
- handle polystyrene



609423	L1	L		
	400	493	408	

760B

Flat file, bastard

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



619289	L	a x b		
	100	3.5 x 12	40	
619290				
	150	4 x 16	83	
612911				
	200	5 x 20	195	
612912				
	250	7 x 26	275	
612913				
	300	8 x 30	510	

760 1/2S

Flat file, half smooth

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



619293	L	a x b		
	100	3.5 x 12	40	
619294				
	150	4 x 16	82	
612914				
	200	5 x 20	175	
612915				
	250	7 x 26	315	
612916				
	300	8 x 30	417	

760S

Flat file, smooth

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



619297	L	a x b		
	100	3.5 x 12	58	
619298				
	150	4 x 16	86	
612917				
	200	5 x 20	195	
612918				
	250	7 x 26	285	
612919				
	300	8 x 30	432	

760HB

Flat file with handle, bastard

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



619291	L	a x b		
	100	190 3.5 x 12	68	
619292				
	150	240 4 x 16	120	
612992				
	200	325 5 x 20	270	
612993				
	250	375 7 x 26	385	
612994				
	300	425 8 x 30	587	

760H1/2S**Flat file with handle, half smooth**

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



Barcode	L	a x b	Weight	Icon
619295	100	3.5 x 12	68	□
619296	150	4 x 16	120	□
612995	200	5 x 20	270	□
612996	250	7 x 26	385	□
612997	300	8 x 30	577	□

761S**Half-round file, smooth**

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



Barcode	L	a x b	Weight	Icon
619309	100	4 x 11	42	□
619310	150	5 x 16	78	□
612926	200	7 x 21	135	□
612927	250	8 x 24	251	□
612928	300	10 x 30	409	□

762/5B**Set of files, bastard**

Barcode	Nº	Files	Weight	Icon
619467	762/5B	5	500	□
612929	762/5B	5	1020	□
612930	762/5B	5	1430	□

760HS**Flat file with handle, smooth**

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



Barcode	L	a x b	Weight	Icon
619299	100	3.5 x 12	68	□
619300	150	4 x 16	120	□
612998	200	5 x 20	270	□
612999	250	7 x 26	385	□
613001	300	8 x 30	577	□

761HB**Half-round file with handle, bastard**

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



Barcode	L	a x b	Weight	Icon
619303	100	4 x 11	67	□
619304	150	5 x 16	112	□
613002	200	7 x 21	250	□
613003	250	8 x 24	355	□
613004	300	10 x 30	557	□

761B**Half-round file, bastard**

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



Barcode	L	a x b	Weight	Icon
619301	100	4 x 11	40	□
619302	150	5 x 16	80	□
612920	200	7 x 21	154	□
612921	250	8 x 24	267	□
612922	300	10 x 30	387	□

761H1/2S**Half-round file with handle, half smooth**

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



Barcode	L	a x b	Weight	Icon
619307	100	4 x 11	67	□
619308	150	5 x 16	112	□
613005	200	7 x 21	250	□
613006	250	8 x 24	355	□
613007	300	10 x 30	557	□

762/5 1/2S**Set of files, half smooth**

Barcode	Nº	Files	Weight	Icon
619468	762/5 1/2S	5	500	□
612931	762/5 1/2S	5	1020	□
612932	762/5 1/2S	5	1560	□

761 1/2S**Half-round file, half smooth**

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



Barcode	L	a x b	Weight	Icon
619305	100	4 x 11	40	□
619306	150	5 x 16	81	□
612923	200	7 x 21	155	□
612924	250	8 x 24	315	□
612925	300	10 x 30	408	□

761HS**Half-round file with handle, smooth**

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



Barcode	L	a x b	Weight	Icon
619311	100	4 x 11	67	□
619312	150	5 x 16	112	□
613008	200	7 x 21	250	□
613009	250	8 x 24	355	□
613010	300	10 x 30	557	□

762/5S

Set of files, smooth



Barcode	No	File Type	Length (mm)	Width (mm)	Weight (g)	Material
619469	762/5S	5	500			Carbon tool steel
				760HS (150)		
				761HS (150)		
				764HS (150)		
				765HS (150)		
612933	762/5S	9	1020			Carbon tool steel
				760HS (200)		
				761HS (200)		
				764HS (200)		
				765HS (200)		
612934	762/5S	9	1560			Carbon tool steel
				760HS (250)		
				761HS (250)		
				764HS (250)		
				765HS (250)		

763B

Round file, bastard

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



Barcode	L	D	Weight (g)	Material
619313	100	4	15	Carbon tool steel
619314	150	6	42	Carbon tool steel
612935	200	8	85	Carbon tool steel
612936	250	10	165	Carbon tool steel
612937	300	12	260	Carbon tool steel

763 1/2S

Round file, half smooth

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



Barcode	L	D	Weight (g)	Material
619317	100	4	15	Carbon tool steel
619318	150	6	42	Carbon tool steel
612938	200	8	86	Carbon tool steel
612939	250	10	155	Carbon tool steel
612940	300	12	265	Carbon tool steel

763S

Round file, smooth

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



Barcode	L	D	Weight (g)	Material
619321	100	4	15	Carbon tool steel
619322	150	6	40	Carbon tool steel
612941	200	8	86	Carbon tool steel
612942	250	10	171	Carbon tool steel
612943	300	12	277	Carbon tool steel

763HB

Round file with handle, bastard

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



Barcode	L	D	Weight (g)	Material	
619315	100	190	4	52	Carbon tool steel
619316	150	240	6	76	Carbon tool steel
613011	200	325	8	167	Carbon tool steel
613012	250	375	10	225	Carbon tool steel
613013	300	425	12	327	Carbon tool steel

763H1/2S

Round file with handle, half smooth

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



Barcode	L	D	Weight (g)	Material	
619319	100	190	4	52	Carbon tool steel
619320	150	240	6	76	Carbon tool steel
613014	200	325	8	167	Carbon tool steel
613015	250	375	10	225	Carbon tool steel
613016	300	425	12	327	Carbon tool steel

763HS

Round file with handle, smooth

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



Barcode	L	D	Weight (g)	Material	
619323	100	190	4	52	Carbon tool steel
619324	150	240	6	76	Carbon tool steel
613017	200	325	8	167	Carbon tool steel
613018	250	375	10	225	Carbon tool steel
613019	300	425	12	327	Carbon tool steel

764B

Three-square file, bastard

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



Barcode	L	B	Weight (g)	Material
619325	100	8	30	Carbon tool steel
619326	150	11	92	Carbon tool steel
612944	200	14	170	Carbon tool steel
612945	250	17	265	Carbon tool steel
612946	300	20	348	Carbon tool steel

764 1/2S

Three-square file, half smooth

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



Barcode	L	B	Weight (g)	Material
619329	100	8	25	Carbon tool steel
619330	150	11	94	Carbon tool steel
612947	200	14	136	Carbon tool steel
612948	250	17	260	Carbon tool steel
612949	300	20	357	Carbon tool steel

764S

Three-square file, smooth

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



Barcode	L	B	Weight (g)	Material
619333	100	8	22	Carbon tool steel
619334	150	11	92	Carbon tool steel
612950	200	14	155	Carbon tool steel
612951	250	17	260	Carbon tool steel
612952	300	20	347	Carbon tool steel

764HB

Three-square file with handle, bastard

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



Barcode	L	B	Weight (g)	Material	
619327	100	190	8	60	Carbon tool steel
619328	150	240	11	100	Carbon tool steel
613020	200	325	14	210	Carbon tool steel
613021	250	375	17	285	Carbon tool steel
613022	300	425	20	467	Carbon tool steel

764H1/2S**Three-square file with handle, half smooth**

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



Barcode	File Type	L	B	Weight	Icon
619331	100	190	8	60	Icon
619332	150	240	11	100	Icon
613023	200	325	14	210	Icon
613024	250	375	17	285	Icon
613025	300	425	20	467	Icon

765S**Square file, smooth**

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



Barcode	File Type	A	Weight	Icon
619345	100	4	18	Icon
619346	150	6	50	Icon
612959	200	8	93	Icon
612960	250	10	181	Icon
612961	300	12	332	Icon

766A1**Handle for files 763,764,765 for dim. 100**

Barcode	File Type	L	Weight	Icon
621927	100	90	30	Icon

764HS**Three-square file with handle, smooth**

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



Barcode	File Type	L	B	Weight	Icon
619335	100	190	8	60	Icon
619336	150	240	11	125	Icon
613026	200	325	14	210	Icon
613027	250	375	17	285	Icon
613028	300	425	20	467	Icon

765HB**Square file with handle, bastard**

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



Barcode	File Type	L	A	Weight	Icon
619339	100	190	4	70	Icon
619340	150	240	6	85	Icon
613029	200	325	8	187	Icon
613030	250	375	10	285	Icon
613031	300	425	12	437	Icon

766A2**Handle for files 760,761 for dim.100, 763,764,765,769 for dim.150**

Barcode	File Type	L	Weight	Icon	
621928	100	150	90	30	Icon

766A3**Handle for files 760,761,767,768 for dim. 150**

Barcode	File Type	L	Weight	Icon
621929	150	90	29	Icon

765B**Square file, bastard**

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



Barcode	File Type	A	Weight	Icon
619337	100	4	20	Icon
619338	150	6	50	Icon
612953	200	8	95	Icon
612954	250	10	193	Icon
612955	300	12	282	Icon

765H1/2S**Square file with handle, half smooth**

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



Barcode	File Type	L	A	Weight	Icon
619343	100	190	4	70	Icon
619344	150	240	6	85	Icon
613032	200	325	8	187	Icon
613033	250	375	10	285	Icon
613034	300	425	12	437	Icon

765 1/2S**Square file, half smooth**

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



Barcode	File Type	A	Weight	Icon
619341	100	4	20	Icon
619342	150	6	48	Icon
612956	200	8	91	Icon
612957	250	10	194	Icon
612958	300	12	304	Icon

765HS**Square file with handle, smooth**

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



Barcode	File Type	L	A	Weight	Icon
619347	100	190	4	70	Icon
619348	150	240	6	85	Icon
613035	200	325	8	187	Icon
613036	250	375	10	285	Icon
613037	300	425	12	437	Icon

766B**Handle for files 763, 764, 765, 769**

- ergonomic heavy duty double component handle



Barcode	File Type	L	Weight	Icon
612962	200	115	78	Icon

766C**Handle for files 760, 761, 767, 768**

- ergonomic heavy duty double component handle



Barcode	File Type	L	Weight	Icon
612963	200	115	77	Icon

766D

Handle for files 763, 764, 765, 769

- ergonomic heavy duty double component handle



Barcode	L	W	H	Weight	Icon
612964	250	300	115	74	Icon

767H1/2S

Flat rasp with handle, half smooth

- material: carbon tool steel



Barcode	L	a x b	Weight	Icon
619773	150	240 5 x 16	120	Icon
613038	200	325 5 x 20	270	Icon
613039	250	375 7 x 26	405	Icon
613040	300	425 8 x 30	577	Icon

769H1/2S

Round rasp with handle, half smooth

- material: carbon tool steel



Barcode	L	D	Weight	Icon
619777	150	240 6	73	Icon
613044	200	325 8	167	Icon
613045	250	375 10	225	Icon
613046	300	425 12	327	Icon

766E

Handle for files 760, 761, 767, 768

- ergonomic heavy duty double component handle



Barcode	L	W	H	Weight	Icon
612965	250	115	74	Icon	

768 1/2S

Half-round rasp, half smooth

- material: carbon tool steel



Barcode	L	a x b	Weight	Icon
619774	150	5 x 16	82	Icon
612970	200	7 x 21	137	Icon
612971	250	8 x 24	285	Icon
612972	300	9 x 28	317	Icon

777/6A

Flat scraper

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



Barcode	L	a x b	L	Weight	Icon
612227	150	5 x 20	255	172	Icon
612228	200	5 x 20	325	233	Icon
612229	250	6 x 20	370	283	Icon

766F

Handle for files 760, 761, 767, 768

- ergonomic heavy duty double component handle



Barcode	L	W	H	Weight	Icon
612966	300	115	68	Icon	

768H1/2S

Half-round rasp with handle, half smooth

- material: carbon tool steel



Barcode	L	a x b	Weight	Icon
619775	150	240 5 x 16	110	Icon
613041	200	325 7 x 21	240	Icon
613042	250	375 8 x 24	355	Icon
613043	300	425 9 x 28	522	Icon

777/6C

Triangular spoon scraper

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



Barcode	L	A	L	Weight	Icon
612233	150	8	255	113	Icon
612234	200	8	325	213	Icon
612235	250	8	370	370	Icon

767 1/2S

Flat rasp, half smooth

- material: carbon tool steel



Barcode	L	a x b	Weight	Icon
619772	150	5 x 16	88	Icon
612967	200	5 x 20	168	Icon
612968	250	7 x 26	270	Icon
612969	300	8 x 30	407	Icon

769 1/2S

Round rasp, half smooth

- material: carbon tool steel



Barcode	L	D	Weight	Icon
619776	150	6	47	Icon
612973	200	8	95	Icon
612974	250	10	176	Icon
612975	300	12	308	Icon

