

Wrenches



Open end wrenches



Combination wrenches



Offset ring wrenches



Slogging wrenches



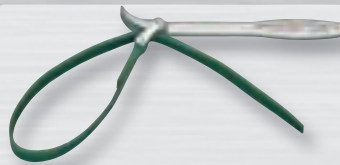
Adjustable wrenches



T-handle wrenches



Hexagon wrenches



Filter and oil drain plugs wrenches



Hook wrenches



Long lifespan

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



Safety cut

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



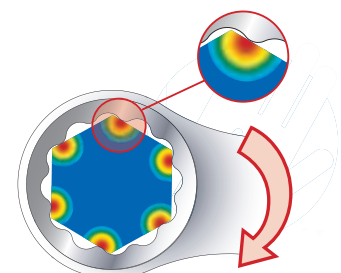
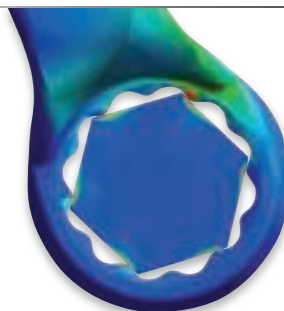
Innovative design

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

"LIFE profile"

Main advantages of LIFE profile

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



THE MAIN COMMANDMENTS TOWARDS PERFECTION

All technological processes of Unior hand tools manufacturing are carefully designed, rigorously checked and conform to demanding quality certifications. In addition to the best processes, the excellence of the final products is guaranteed by employment of superior quality materials and machines.

The forging of oblong products, such as wrenches, requires several characteristic preparatory and intermediate operations before the forgings can acquire their final shape. Initially, in the forging of wrenches blanks are cut from strip by means of special blades. The cut up blanks are then straightened with one or

two blows and subsequently forged to form. Since the section of the cutting blades can be set with great precision, the consumption of selected quality material is minimal.



A special procedure for the manufacture of a combination wrench 24

10 main steps out of 24



1. Cutting:

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



2. Forging:

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



3. Trimming:

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



4. Perforation:

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



5. Burring and grinding:

with the help of mechanical and chemical substances, the rough edges on the forgings are removed by burring machines and subsequently the wrenches are passed over grinding machines to be contoured. The surface and the edges of the wrench are thus smoothed and rounded.



6. Machine marking and bending:

in conformity with Set standards, each product is impressed with its appropriate mark; next, the ring of the wrench is offset as per relative requirements.



7. Broaching:

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



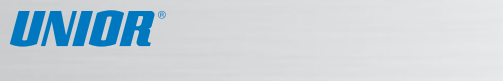
8. Tempering:

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



9. Sanding and polishing:

various abrasive substances are blasted onto the surface of the wrenches by means of compressed air. The abrasives burr the surface, while at the same time imparting to it a certain asperity, important for the subsequent application of a suitable galvanic (protective) coating. In certain variants, the head surfaces of the wrench are polished to present a pleasant final appearance.



10. Chrome plating:

wrenches are coated with a thin, solid layer of chrome dioxide to protect them from corrosion, wear and scratches; metal chrome is used in the alloying of steel and metal plate, while also giving the wrench an attractively shiny visual aspect.

110/1

Open end wrench

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



Barcode	mm	L	B1	B2	A
603316	4 x 4.5	100	13.6	13.6	3.4
603317	4 x 5	100	13.6	13.6	3.4
603318	5 x 5.5	100	13.6	13.6	3.4
600059	5 x 7	121	14.4	16.4	3.4
600060	5.5 x 7	121	14.4	16.4	3.4
600061	6 x 7	121	14.4	16.4	3.4
600062	7 x 8	140	18.4	22.9	3.7
600063	7 x 9	140	18.4	22.9	3.7
600064	8 x 9	140	18.4	22.9	3.7
600065	8 x 10	140	18.4	22.9	3.7
600066	9 x 10	159	22.7	24.2	4.5
600067	9 x 11	159	22.7	24.2	4.5
600068	10 x 11	159	22.7	24.2	4.5
600069	10 x 12	172	26.2	29.2	4.5
600070	10 x 13	172	26.2	29.2	4.9
600071	10 x 14	172	26.2	29.2	4.9
600072	11 x 13	172	26.2	29.2	4.9
600074	12 x 13	172	26.2	29.2	4.9
600075	12 x 14	172	26.2	29.2	4.9
600076	13 x 14	192	31.2	33.2	5.4
600077	13 x 15	192	31.2	33.2	5.4
603846	13 x 16	192	31.2	33.2	5.4
600078	13 x 17	200	31.2	37.7	5.7
600079	14 x 15	192	31.2	33.2	5.4
600080	14 x 17	200	31.2	37.7	5.7
600081	15 x 17	206	35.7	37.7	5.7
600082	16 x 17	206	35.7	41.5	5.7
603121	16 x 18	213	35.7	41.5	6.2
600083	17 x 19	223	39.5	41.5	6.2
600084	17 x 22	223	39.5	41.5	6.2
600085	18 x 19	223	39.5	41.5	6.2
603847	18 x 21	223	39.5	46	6.2
600086	19 x 22	232	43.5	46	6.7
600087	19 x 24	232	43.5	46	6.7
600088	20 x 22	232	43.5	46	6.7
600089	21 x 23	249	46	52	7.2
600090	22 x 24	249	46	52	7.2
600091	22 x 27	249	46	52	7.2
600092	24 x 26	265	51.8	55.3	7.7
600093	24 x 27	265	53.8	55.3	7.7
600094	24 x 30	279	53.8	58.8	8.2
600095	25 x 28	279	62.8	58.8	8.2
600096	27 x 29	309	62.8	67.3	9.2
600097	27 x 30	309	62.8	67.3	9.2
600098	27 x 32	309	62.8	67.3	9.2
600099	30 x 32	309	62.8	67.3	9.2
603848	30 x 34	315	62.8	68.8	9.6
602593	30 x 36	319	62.8	78.8	9.6
600100	32 x 36	327	68.8	78.8	9.6

Barcode	mm	L	B1	B2	A
600101	34 x 36	327	68.8	78.8	9.6
600102	36 x 41	360	78.8	86.8	9.6
605549	38 x 42	360	78.8	86.8	9.6
602594	41 x 46	410	86.8	94.8	14.6
602595	46 x 50	460	94.8	103.9	15.6
605348	1/4" x 5/16"	121	14.4	16.4	3.4
618658	1/4" x 9/32"	121	14.4	16.4	3.4
605349	5/16" x 3/8"	140	18.4	22.9	3.7
618656	11/32" x 13/32"	159	22.7	24.2	4.5
605350	3/8" x 7/16"	159	22.7	24.2	4.5
605351	7/16" x 1/2"	172	26.3	29.2	4.9
605352	1/2" x 9/16"	192	31.2	33.2	5.4
605353	9/16" x 5/8"	192	31.2	33.2	5.4
605354	5/8" x 11/16"	206	35.7	37.7	5.7
605355	11/16" x 3/4"	223	39.5	41.5	6.2
618657	3/4" x 13/16"	232	43.5	46	6.7
605356	13/16" x 7/8"	249	46	52	7.2
605357	15/16" x 1"	265	51.8	55.3	7.7
605358	1" x 1.1/8	279	53.8	58.8	8.2
605359	1.1/16" x 1.1/4"	309	62.8	67.3	9.6

110/1CB

Set of open end wrenches in carton box



Barcode	Nº	Hand icon
600105	110/1CB 6 - 22 / 8	
	110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22)	
600106	110/1CB 6 - 32 / 12	
	110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32)	
600107	110/1CB 6 - 41 / 13	
	110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32, 36 x 41)	
611018	110/1CB 6 - 27 / 10	
	110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27)	
605530	110/1CB 1/4" - 3/4" / 8	
	110/1 (1/4" x 5/16", 5/16" x 3/8", 3/8" x 7/16", 7/16" x 1/2", 1/2" x 9/16", 9/16" x 5/8", 5/8" x 11/16", 11/16" x 3/4")	
605531	110/1CB 1/4" - 1.1/4" / 12	
	110/1 (1/4" x 5/16", 5/16" x 3/8", 3/8" x 7/16", 7/16" x 1/2", 1/2" x 9/16", 9/16" x 5/8", 5/8" x 11/16", 11/16" x 3/4", 13/16" x 7/8", 15/16" x 1", 1" x 1.1/8, 1.1/16" x 1.1/4")	



110/1CS

Set of open end wrenches in carton box



	Nº	
602844	110/1CS	6 - 22 / 8
110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22)		

110/1CT

Set of open end wrenches in bag



	Nº	
615465	110/1CT	6 - 22 / 8
110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22), CT110		

CT110

Empty bag

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



	A	B
615480	430	275

110/1PB

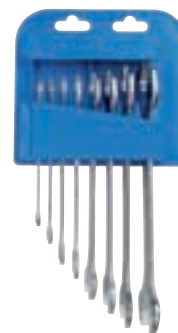
Set of open end wrenches in plastic wallet



	Nº	
600108	110/1PB	6 - 17 / 6
110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17)		
600109	110/1PB	6 - 22 / 8
110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22)		

110/1PH

Set of open end wrenches on plastic hanger



	Nº	
610835	110/1PH	6 - 22 / 8
110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22)		

110/1MS

Set of open end wrenches on metal stand



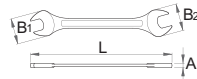
	Nº	
605528	110/1MS	6 - 32 / 12
110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), 977/1		
605532	110/1MS	1/4" - 1.1/4" / 12
110/1 (1/4" x 5/16", 5/16" x 3/8", 3/8" x 7/16", 7/16" x 1/2", 1/2" x 9/16", 9/16" x 5/8", 5/8" x 11/16", 11/16" x 3/4", 13/16" x 7/8", 15/16" x 1", 1" x 1.1/8, 1.1/16" x 1.1/4"), 977/1		



110/2

Open end wrench

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



Barcode	mm	L	B1	B2	A
603319	4 x 4.5	100	13.6	13.6	3.4
600110	4 x 5	100	13.6	13.6	3.4
603320	5 x 5.5	100	13.6	13.6	3.4
600111	5 x 7	121	14.4	16.4	3.4
600112	5.5 x 7	121	14.4	16.4	3.4
600113	6 x 7	121	14.4	16.4	3.4
600114	7 x 8	140	18.4	22.9	3.7
600115	7 x 9	140	18.4	22.9	3.7
600116	8 x 9	140	18.4	22.9	3.7
600117	8 x 10	140	18.4	22.9	3.7
600118	9 x 10	159	22.7	24.2	4.5
600119	9 x 11	159	22.7	24.2	4.5
600120	10 x 11	159	22.7	24.2	4.5
600121	10 x 12	172	26.2	29.2	4.5
600122	10 x 13	172	26.2	29.2	4.9
600123	10 x 14	172	26.2	29.2	4.9
600124	11 x 13	172	26.2	29.2	4.9
600126	12 x 13	172	26.2	29.2	4.9
600127	12 x 14	172	26.2	29.2	4.9
600128	13 x 14	192	31.2	33.2	5.4
600129	13 x 15	192	31.2	33.2	5.4
603849	13 x 16	192	31.2	33.2	5.4
600130	13 x 17	200	31.2	37.7	5.7
600131	14 x 15	192	31.2	33.2	5.4
600132	14 x 17	200	31.2	37.7	5.7
600133	15 x 17	206	35.7	37.7	5.7
600134	16 x 17	206	35.7	41.5	5.7
603122	16 x 18	213	35.7	41.5	6.2
600135	17 x 19	223	39.5	41.5	6.2
600136	17 x 22	223	39.5	41.5	6.2
600137	18 x 19	223	39.5	41.5	6.2
603850	18 x 21	223	39.5	46	6.2
600138	19 x 22	232	43.5	46	6.7
600139	19 x 24	232	43.5	46	6.7
600140	20 x 22	232	43.5	46	6.7
600141	21 x 23	249	46	52	7.2
600142	22 x 24	249	46	52	7.2
600143	22 x 27	249	46	52	7.2
600144	24 x 26	265	51.8	55.3	7.7
600145	24 x 27	265	53.8	55.3	7.7
600146	24 x 30	279	53.8	58.8	8.2
600147	25 x 28	279	62.8	58.8	8.2
600148	27 x 29	309	62.8	67.3	9.2
600149	27 x 30	309	62.8	67.3	9.2
600150	27 x 32	309	62.8	67.3	9.2
600151	30 x 32	309	62.8	67.3	9.2
603851	30 x 34	315	62.8	68.8	9.6



Barcode	mm	L	B1	B2	A
602596	30 x 36	319	62.8	78.8	9.6
600152	32 x 36	327	68.8	78.8	9.6
600153	34 x 36	327	68.8	78.8	9.6
600154	36 x 41	360	78.8	86.8	9.6
605550	38 x 42	360	78.8	86.8	9.6
602597	41 x 46	410	86.8	94.8	14.6
602598	46 x 50	460	94.8	103.89	15.6
605458	1/4" x 5/16"	121	14.4	16.4	3.4
605459	5/16" x 3/8"	140	18.4	22.9	3.7
605460	3/8" x 7/16"	159	22.7	24.2	4.5
605461	7/16" x 1/2"	172	26.3	29.2	4.9
605462	1/2" x 9/16"	192	31.2	33.2	5.4
605463	9/16" x 5/8"	192	31.2	33.2	5.4
605464	5/8" x 11/16"	206	35.7	37.7	5.7
605465	11/16" x 3/4"	223	39.5	41.5	6.2
605466	13/16" x 7/8"	249	46	52	7.2
605467	15/16" x 1"	265	51.8	55.3	7.7
605468	1" x 1.1/8"	279	53.8	58.8	8.2
605469	1.1/16" x 1.1/4"	309	62.8	67.3	9.6

110/2CB

Set of open end wrenches in carton box



Barcode	Nº	Hand
600155	110/2CB 110/2 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22)	6 - 22 / 8
600156	110/2CB 110/2 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32)	6 - 32 / 12
600158	110/2CB 110/2 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32, 36 x 41)	6 - 41 / 13
603345	110/2CB 110/2 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27)	6 - 27 / 10
605533	110/2CB 110/2 (1/4" x 5/16", 5/16" x 3/8", 3/8" x 7/16", 7/16" x 1/2", 1/2" x 9/16", 9/16" x 5/8", 5/8" x 11/16", 11/16" x 3/4")	1/4" - 3/4" / 8
605534	110/2 (1/4" x 5/16", 5/16" x 3/8", 3/8" x 7/16", 7/16" x 1/2", 1/2" x 9/16", 9/16" x 5/8", 5/8" x 11/16", 11/16" x 3/4", 13/16" x 7/8", 15/16" x 1", 1" x 1.1/8", 1.1/16" x 1.1/4")	1/4" - 1.1/4" / 12

110/2CS

Set of open end wrenches in carton box



Barcode	Nº	Hand
602846	110/2CS 110/2 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22)	6 - 22 / 8



110/2CT

Set of open end wrenches in bag



Barcode	Nº	Hand icon
615466	110/2CT	6 - 22 / 8
110/2 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22), CT110		

110/2PB

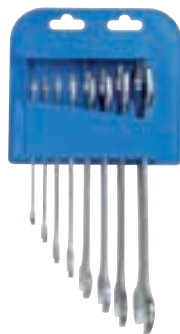
Set of open end wrenches in plastic wallet



Barcode	Nº	Hand icon
600159	110/2PB	6 - 17 / 6
110/2 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17)		
600160	110/2PB	6 - 22 / 8
110/2 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22)		

110/2PH

Set of open end wrenches on plastic hanger



Barcode	Nº	Hand icon
610836	110/2PH	6 - 22 / 8
110/2 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22)		



110/2MS

Set of open end wrenches on metal stand



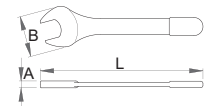
Barcode	Nº	Hand icon
605529	110/2MS	6 - 32 / 12
110/2 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), 977/1		
605535	110/2MS	1/4" - 1.1/4" / 12
110/2 (1/4" x 5/16", 5/16" x 3/8", 3/8" x 7/16", 7/16" x 1/2", 1/2" x 9/16", 9/16" x 5/8", 5/8" x 11/16",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

110/2VDEDP

Insulated single open end wrench

- material: chrome vanadium
- head: chrome plated according to EN12540
- double layered - double coloured insulation enable additional safety
- if second layer is visible, replace your VDE tool with the new one.
- controlled with electrical test
- made according to standard EN60900

1000V
IEC 60900:2004



Barcode	mm	L	B	A
618370	6	74	16	6.9
618331	7	74	16.1	6.9
617801	8	108	21	7
621575	9	109.5	24.5	7.5
612175	10	109.5	24.5	7.5
612176	11	113	26	7.5
612177	12	127	28	8
612178	13	131	30.5	8.5
612179	14	143	33	8.5
612180	15	150	35	9
621576	16	158	40	10
612181	17	158	40	10
621577	18	173	44	11
612182	19	173	44	11
618333	20	180	46.4	12.2
619201	21	183	48.8	12.5
612183	22	198	49	13
618335	23	215	52.8	13.1
612184	24	224	56	14
621578	26	235	59	15
617802	27	235	59	15
621579	28	267	66	15.8
618336	30	267	66.1	15.8
618337	32	283	71.4	17.6

110/2VDEDPCB

Set of insulated open end wrenches in carton box

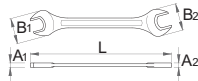


Barcode	Nº	Hand icon
612676	110/2VDEDPCB	10 - 24 / 10
	110/2VDEDP	(10, 11, 12, 13, 14, 15, 17, 19, 22, 24)

112/2

Open end wrench

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

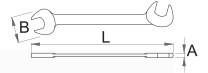


Barcode	mm	L	B1	B2	A1	A2
602081	6 x 7	97	15	17	3	3.2
602082	8 x 10	115	18	22	4.2	4.2
613222	10 x 11	122	23	24.5	5	5
605045	10 x 12	128	22	28	5	5
603611	10 x 13	137	26	28.5	5.2	5.2
602083	11 x 13	132	26	28.5	5	5.4
602084	12 x 14	146	28	32	5.5	5.5
612773	13 x 14	146	28	32	5.5	5.5
602085	13 x 15	152	28	32	6	6
603134	13 x 17	158	30	35	6.5	6.5
612774	14 x 15	137	26	28.5	5.4	5.4
602086	14 x 17	158	30	35	6.5	6.5
602087	17 x 19	170	35	40	7	7
602088	19 x 22	197	42	48	8	8
605921	21 x 23	217	46	51	9	9

114/2

Small double open ended wrench ELECTRIC

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



Barcode	mm	L	B	A
618623	3.2	75	10	2
618624	3.5	75	10	2
618625	4	75	10.5	2
618626	4.5	75	10.5	2
618627	5	85	12	2
618628	5.5	85	12.2	2
618629	6	85	12.5	2
618630	7	95	14.5	2
618631	8	95	16.5	2
618632	9	110	19	3
618633	10	110	21	3
618634	11	110	23.5	3
618635	12	125	24	3
618636	13	125	27.5	3
618637	14	125	28	3
618638	15	135	30	3
618639	16	135	32	3
618640	17	135	34	3
618641	7/32"	85	12.2	2
618642	11/32"	110	19	3
618643	9/32"	95	14.5	2

114/2PB

Set of small double open ended wrenches ELECTRIC



Barcode	Nº	Hand icon
619287	114/2PB	3.2 - 14 / 15
	114/2	(3.2, 3.5, 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14)



Single open end wrench

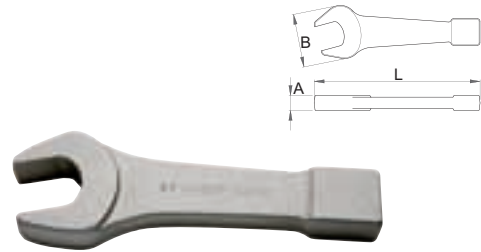
- material: chrome vanadium
- surface finish: phosphated to standard DIN 12476
- applications: In industry for working on machines, engines and other equipment.
- larger dimensions are useful in shipbuilding, the oil industry and other heavy industries where larger machines and equipment are used
- this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



Barcode	mm	L	A	B
615262	10	104	4.5	22
620207	12	123	5	26
615263	13	132	5.4	28
615264	17	157	5.9	36
615265	19	170	6.9	40
615266	21	195	7.9	46
615267	22	195	7.9	46
615268	24	218	8.7	50
615269	27	240	9.7	56
615270	30	265	10.7	62
615271	32	275	11.7	66
615272	34	275	11.7	70
615273	36	295	12.5	74
615274	38	295	12.5	74
615275	41	335	13.5	84
615276	46	365	14.5	94
615277	50	400	15.5	102
615278	55	475	16	110
615279	60	475	17	120
615280	65	550	18	130
615281	70	550	19	140
615282	75	620	20	150
615283	80	620	21	160
615284	85	665	22	170
615285	90	740	23	190
615286	95	740	23	190
615287	100	800	24	200

Slogging open end wrench

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



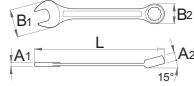
Barcode	mm	L	B	A
620466	24	170	56	15
620467	27	170	56	15
620468	30	200	70	18
620469	32	200	70	18
620470	36	200	70	18
620471	41	240	88	20
620472	46	240	88	20
620473	50	265	102	20
620474	55	305	112	24
620475	60	305	112	24
620476	65	335	123	27
620477	70	370	154	30
620478	75	370	154	30
620479	80	400	170	33
620480	85	400	170	33
620481	90	450	192	38
620482	95	450	192	38
620483	100	485	225	45
620484	105	485	225	45
620485	110	515	236	48
620486	115	515	236	52
620487	120	535	253	53
620488	125	535	253	53
620489	130	565	273	53
620490	135	565	273	53
620491	140	635	300	58
620492	145	635	300	58
620493	150	635	300	58



120/1

Combination wrench, long type

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



Barcode	mm	L	B2	B1	A2	A1
600357	6	119	10.4	14.5	5	3.5
600358	7	129	11.5	16.5	5.8	3.9
600359	8	141	13.2	18.5	6.9	3.9
600360	9	152	14.3	21	7.3	4
600361	10	163	15.9	23	7.5	4.2
600362	11	176	17.8	24.5	8	4.5
600363	12	186	19.4	26.5	8.5	4.7
600364	13	199	20.4	29.5	8.5	5.2
600365	14	210	22	31.5	9	5.2
600366	15	222	23.2	33.5	9.5	5.7
600367	16	234	24.8	36	10.5	6.2
600368	17	245	26.1	38	10.5	6.7
600369	18	257	27.7	40	1	7.2
600370	19	268	29.3	42	12	7.2
600371	20	280	31	44	12.5	7.7
600372	21	291	32.6	45.5	13	8.2
600373	22	303	34.1	46.5	13	8.2
600374	23	314	35.7	50.5	13	8.2
600375	24	330	37.3	52.5	14	8.5
600376	25	337	39	54.5	14.5	8.5
600377	26	349	40.1	56	15	8.5
600378	27	360	41.6	57.5	15	9
600379	28	373	43.2	59.5	15.5	9
600380	29	383	44.9	61.5	16	9.5
600381	30	395	46.5	63.5	16	10
600382	32	416	49	68	16.5	10.5
607019	35	500	53.5	78.8	20	13.6
602601	36	500	53.5	78.8	20	13.6
605838	38	515	58	82.8	20.5	14.1
602602	41	540	62	86.8	21	14.6
618514	46	560	69	94	23	16
618517	50	580	75	103	24	17
618491	1/4"	119	10.4	14.5	5	3.5
618492	5/16"	142	13.2	18.5	6.9	3.9
618493	3/8"	153	14.3	21	7.3	4
618494	7/16"	176	17.8	24.5	8	4.5
618495	1/2"	199	20.4	29.5	8.5	5.2
618496	9/16"	211	22	31.5	9	5.2
618497	5/8"	234	24.8	36	10.5	6.2
618498	11/16"	245	26.1	38	10.5	6.7
618499	3/4"	268	29.3	42	12	7.2
618500	13/16"	291	32.6	45.5	13	8.2
618501	7/8"	303	34.1	46.5	13	8.2
618502	15/16"	330	37.3	52.5	14	8.5
618503	1"	337	39	54.5	14.5	8.5
618504	1.1/16"	360	41.6	57.5	15	9
618505	1.1/8"	372	43.2	59.5	15.5	9
618506	1.1/4"	417	49	68	16.5	10.5
618507	1.5/16"	417	49	68	16.5	10.5



Barcode	mm	L	B2	B1	A2	A1
618508	1.3/8"	500	53.5	78.8	20	13.6
618509	1.7/16"	500	53.5	78.8	20	13.6
618510	1.1/2"	500	53.5	78.8	20	13.6
618511	1.5/8"	540	62	86.8	21	14.6
618512	1.11/16"	540	62	86.8	21	14.6
618513	1.3/4"	560	69	94	23	16
618515	1.13/16"	560	69	94	23	16
618516	1.7/8"	560	69	94	23	16
618518	2"	580	75	103	24	17

120/1CB

Set of combination wrenches, long type in carton box



Barcode	Nº	Hand
600383	120/1CB	6 - 22 / 17
	120/1	(6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22)
600384	120/1CB	6 - 32 / 26
	120/1	(6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32)
611019	120/1CB	8 - 22 / 10
	120/1	(8, 10, 11, 12, 13, 14, 15, 17, 19, 22)
611020	120/1CB	10 - 30 / 12
	120/1	(10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30)
619397	120/1CB	1/4" - 3/4" / 9
	120/1	(1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4")
619398	120/1CB	1/4" - 1.1/4" / 16
	120/1	(1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1.1/16", 1.1/8", 1.1/4")

120/1CS

Set of combination wrenches, long type in carton box



Barcode	Nº	Hand
603709	120/1CS	8 - 19 / 8
	120/1	(8, 9, 10, 12, 13, 14, 17, 19)



120/1CT

Set of combination wrenches, long type in bag



Barcode	Nº	Handedness
615475	120/1CT	8 - 22 / 8
120/1 (8, 10, 11, 13, 15, 17, 19, 22), CT129		

120/1MS

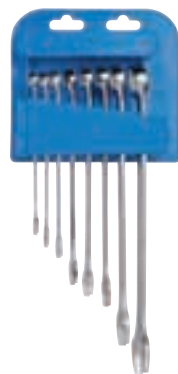
Set of combination wrenches, long type on metal stand



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

120/1PH

Set of combination wrenches, long type on plastic hanger



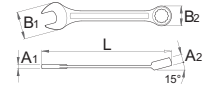
Barcode	Nº	Handedness
610837	120/1PH	8 - 19 / 8
120/1 (8, 9, 10, 12, 13, 14, 17, 19)		
610838	120/1PH	8 - 18 / 8
120/1 (8, 9, 10, 12, 13, 14, 16, 18)		

120/2

Combination wrench, long type



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



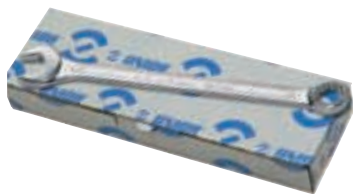
Barcode	mm	L	B2	B1	A2	A1
616745	3.2	105	8	14	4	3.2
616746	4	105	8	14	4	3.2
616747	4.5	105	8	14	4	3.2
616748	5	119	10.4	14.5	5	3.5
616749	5.5	119	10.4	14.5	5	3.5
600386	6	119	10.4	14.5	5	3.5
600387	7	129	11.5	16.5	5.8	3.9
600388	8	141	13.2	18.5	6.9	3.9
600389	9	152	14.3	21	7.3	4
600390	10	163	15.9	23	7.5	4.2
600391	11	176	17.8	24.5	8	4.5
600392	12	186	19.4	26.5	8.5	4.7
600393	13	199	20.4	29.5	8.5	5.2
600394	14	210	22	31.5	9	5.2
600395	15	222	23.2	33.5	9.5	5.7
600396	16	234	24.8	36	10.5	6.2
600397	17	245	26.1	38	10.5	6.7
600398	18	257	27.7	40	1	7.2
600399	19	268	29.3	42	12	7.2
600400	20	280	31	44	12.5	7.7
600401	21	291	32.6	45.5	13	8.2
600402	22	303	34.1	46.5	13	8.2
600403	23	314	35.7	50.5	13	8.2
600404	24	330	37.3	52.5	14	8.5
600405	25	337	39	54.5	14.5	8.5
600406	26	349	40.1	56	15	8.5
600407	27	360	41.6	57.5	15	9
600408	28	373	43.2	59.5	15.5	9
600409	29	383	44.9	61.5	16	9.5
600410	30	395	46.5	63.5	16	10
600411	32	416	49	68	16.5	10.5
607020	35	500	53.5	78.8	20	13.6
602689	36	500	53.5	78.8	20	13.6
605839	38	515	58	82.8	20.5	14.1
602690	41	540	62	86.8	21	14.6
616750	46	560	69	94	23	16
616751	50	580	75	103	24	17
616752	55	600	83	112	26	18
616753	60	620	91	120	28	20
616754	65	640	100	130	30	21
616755	70	660	108	140	32	23
616756	75	680	116	150	34	24
616757	80	700	124	160	36	26
618519	1/4"	119	10.4	14.5	5	3.5
618520	5/16"	142	13.2	18.5	6.9	3.9
618521	3/8"	153	14.3	21	7.3	4
618522	7/16"	176	17.8	24.5	8	4.5



Barcode	mm	L	B2	B1	A2	A1
618523	1/2"	199	20.4	29.5	8.5	5.2
618524	9/16"	211	22	31.5	9	5.2
618525	5/8"	234	24.8	36	10.5	6.2
618526	11/16"	245	26.1	38	10.5	6.7
618527	3/4"	268	29.3	42	12	7.2
618528	13/16"	291	32.6	45.5	13	8.2
618529	7/8"	303	34.1	46.5	13	8.2
618530	15/16"	330	37.3	52.5	14	8.5
618531	1"	337	39	54.5	14.5	8.5
618532	1.1/16"	360	41.6	57.5	15	9
618533	1.1/8"	372	43.2	59.5	15.5	9
618534	1.1/4"	417	49	68	16.5	10.5
618535	1.5/16"	417	49	68	16.5	10.5
618536	1.3/8"	500	53.5	78.8	20	13.6
618537	1.7/16"	500	53.5	78.8	20	13.6
618538	1.1/2"	500	53.5	78.8	20	13.6
618539	1.5/8"	540	62	86.8	21	14.6
618540	1.11/16"	540	62	86.8	21	14.6
618541	1.3/4"	560	69	94	23	16
618542	1.13/16"	560	69	94	23	16
618543	1.7/8"	560	69	94	23	16
618544	2"	580	75	103	24	17

120/2CB

Set of combination wrenches, long type in carton box



Barcode	Nº	Hand
600412	120/2CB	6 - 22 / 17
	120/2	(6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22)
600413	120/2CB	6 - 32 / 26
	120/2	(6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32)
603670	120/2CB	8 - 22 / 10
	120/2	(8, 10, 11, 12, 13, 14, 15, 17, 19, 22)
603671	120/2CB	10 - 30 / 12
	120/2	(10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30)
619399	120/2CB	1/4" - 3/4" / 9
	120/2	(1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4")
619400	120/2CB	1/4" - 1.1/4" / 16
	120/2	(1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1.1/16", 1.1/8", 1.1/4")

120/2CS

Set of combination wrenches, long type in carton box



Barcode	Nº	Hand
603710	120/2CS	8 - 19 / 8
	120/2	(8, 9, 10, 12, 13, 14, 17, 19)

120/2CT

Set of combination wrenches, long type in bag



Barcode	Nº	Hand
615476	120/2CT	8 - 22 / 8
	120/2	(8, 10, 11, 13, 15, 17, 19, 22), CT129

120/2MS

Set of combination wrenches, long type on metal stand



Barcode	Nº	Hand
605538	120/2MS	6 - 22 / 17
	120/2	(6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22), 977/2

120/2PH

Set of combination wrenches, long type on plastic hanger



Barcode	Nº	Hand
610839	120/2PH	8 - 19 / 8
	120/2	(8, 9, 10, 12, 13, 14, 17, 19)
610840	120/2PH	8 - 18 / 8
	120/2	(8, 9, 10, 12, 13, 14, 16, 18)

125/1

Combination wrench, short type

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



Barcode	mm	L	B2	B1	A2	A1
600414	6	100	10.4	14.5	5	3.5
600415	7	109	11.5	16.5	5.8	3.9
600416	8	119	13.2	18.5	6.9	3.9
600417	9	123	14.3	21	7.3	4
600418	10	128	15.9	23	7.5	4.2
600419	11	135	17.8	24.5	8	4.5
600420	12	139	19.4	26.5	8.5	4.7
600421	13	150	20.4	29.5	8.5	5.2
600422	14	160	22	31.5	9	5.2
600423	15	170	23.2	33.5	9.5	5.7
600424	16	180	24.8	36	10.5	6.2
600425	17	190	26.1	38	10.5	6.7
600426	18	200	27.7	40	11	7.2
600427	19	210	29.3	42	12	7.2
600428	20	220	31	44	12.5	7.7
600429	21	230	32.6	45.5	13	8.2
600430	22	247	34.1	46.5	13	8.2
602089	23	250	35.7	50.5	13	8.2
602090	24	266	37.3	52.5	14	8.5
602091	25	270	39	54.5	14.5	8.5
602092	26	275	40.1	56	15	8.5
602093	27	292	41.6	57.5	15	9
602094	28	296	43.2	59.5	15.5	9
602095	29	300	44.9	61.5	16	9.5
602096	30	323	46.5	63.5	16	10
602097	32	343	49	68	16.5	10.5
618562	35	400	54	78.8	20	13.6
603332	36	400	54.5	79.5	20	13.5
618564	38	400	54	78.8	20	14.6
618566	41	420	62	86.8	21	14.6
618570	46	440	69	94	23	16
618573	50	480	75	103	24	17
605360	1/4"	100	10.4	14.5	5	3.5
618655	9/32"	109	16.5	11.5	3.9	5.8
605361	5/16"	119	13.2	18.5	6.9	3.9
618654	11/32"	123	21	14.3	4	7.3
605362	3/8"	128	14.3	21	7.3	4
605363	7/16"	135	17.8	24.5	8	4.5
605364	1/2"	150	20.4	29.5	8.5	5.2
605365	9/16"	160	22	31.5	9	5.2
605366	5/8"	180	24.8	36	10.5	6.2
605367	11/16"	190	26.1	38	10.5	6.7
605368	3/4"	210	29.3	42	12	7.2
607857	13/16"	230	32.6	45.5	13	8.2
605369	7/8"	247	34.1	46.5	13	8.2
605370	15/16"	266	37.3	52.5	14	8.5
605371	1"	270	39	54.5	14.5	8.5
605372	1.1/16"	292	41.6	57.5	15	9



Barcode	mm	L	B2	B1	A2	A1
605373	1.1/8"	296	43.2	59.5	15.5	9
605374	1.1/4"	343	49	68	16.5	10.5
618560	1.5/16"	343	49	68	16.5	10.5
618561	1.3/8"	400	53.5	78.8	20	13.6
618563	1.7/16"	400	53.5	78.8	20	13.6
618565	1.1/2"	400	53.5	78.8	20	13.6
618567	1.5/8"	420	62	86.8	21	14.6
618568	1.11/16"	420	62	86.8	21	14.6
618569	1.3/4"	440	69	94	23	16
618571	1.13/16"	440	69	94	23	16
618572	1.7/8"	440	69	94	23	16
618574	2"	460	75	103	24	17

125/1CB

Set of combination wrenches, short type in carton box



Barcode	Nº	Hand
600431	125/1CB 125/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22)	6 - 22 / 17
602098	125/1CB 125/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32)	6 - 32 / 26
605541	125/1CB 125/1 (3/8", 7/16", 1/2", 9/16", 5/8", 3/4", 7/8", 1")	3/8" - 1" / 8
605542	125/1CB 125/1 (1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 7/8", 15/16", 1", 1.1/16", 1.1/8", 1.1/4")	1/4" - 1.1/4" / 15
611021	125/1CB 125/1 (8, 10, 11, 12, 13, 14, 15, 17, 19, 22)	8 - 22 / 10
611022	125/1CB 125/1 (10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30)	10 - 30 / 12

125/1CS

Set of combination wrenches, short type in carton box



Barcode	Nº	Hand
603711	125/1CS 125/1 (8, 9, 10, 12, 13, 14, 17, 19)	8 - 19 / 8



125/1CT

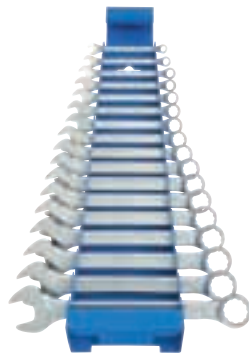
Set of combination wrenches, short type in bag



Barcode	Nº	Icon
615478	125/1CT	8 - 22 / 8
	125/1 (8, 10, 11, 13, 15, 17, 19, 22), CT110	
619504	125/1CT	3/8" - 3/4" / 7
	125/1 (3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4")	
619505	125/1CT	3/8" - 7/8" / 9
	125/1 (3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8")	
619506	125/1CT	3/8" - 1" / 11
	125/1 (3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1")	
619507	125/1CT	3/8" - 1.1/4" / 14
	125/1 (3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1.1/16", 1.1/8", 1.1/4")	

125/1MS

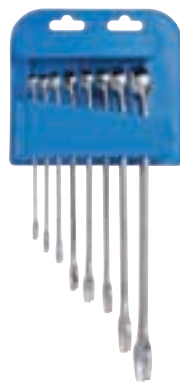
Set of combination wrenches, short type on metal stand



Barcode	Nº	Icon
605539	125/1MS	6 - 22 / 17
	125/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22), 977/3	

125/1PH

Set of combination wrenches, short type on plastic hanger



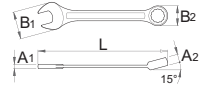
Barcode	Nº	Icon
610841	125/1PH	8 - 19 / 8
	125/1 (8, 9, 10, 12, 13, 14, 17, 19)	
610842	125/1PH	8 - 18 / 8
	125/1 (8, 9, 10, 12, 13, 14, 16, 18)	

125/2

Combination wrench, short type



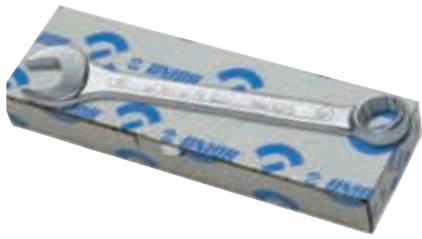
- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- ring part with LIFE profile
- drop forged, entirely hardened and tempered
- made according to standard ISO 7738 (only metric dimension)



Barcode	Icon	L	B2	B1	A2	A1
618649	3.2	77	4.2	9.6	3	3
618650	4	77	4.2	9.6	3	3
618651	5	84	5.8	12	3	3
618652	5.5	84	5.8	12	3	3
602099	6	100	10.4	14.5	5	3.5
602100	7	109	11.5	16.5	5.8	3.9
602101	8	119	13.2	18.5	6.9	3.9
602102	9	123	14.3	21	7.3	4
602103	10	128	15.9	23	7.5	4.2
602104	11	135	17.8	24.5	8	4.5
602105	12	139	19.4	26.5	8.5	4.7
602106	13	150	20.4	29.5	8.5	5.2
602107	14	160	22	31.5	9	5.2
602108	15	170	23.2	33.5	9.5	5.7
602109	16	180	24.8	36	10.5	6.2
602110	17	190	26.1	38	10.5	6.7
602111	18	200	27.7	40	11	7.2
602112	19	210	29.3	42	12	7.2
602113	20	220	31	44	12.5	7.7
602114	21	230	32.6	45.5	13	8.2
602115	22	247	34.1	46.5	13	8.2
602116	23	250	35.7	50.5	13	8.2
602117	24	266	37.3	52.5	14	8.5
602118	25	270	39	54.5	14.5	8.5
602119	26	275	40.1	56	15	8.5
602120	27	292	41.6	57.5	15	9
602121	28	296	43.2	59.5	15.5	9
602122	29	300	44.9	61.5	16	9.5
602123	30	323	46.5	63.5	16	10
602124	32	343	49	68	16.5	10.5
603333	36	400	54.5	79.5	20	13.5
618653	7/32"	84	5.8	12	3	3
605470	1/4"	100	10.4	14.5	5	3.5
605471	5/16"	119	13.2	18.5	6.9	3.9
605472	3/8"	128	14.3	21	7.3	4
605473	7/16"	135	17.8	24.5	8	4.5
605474	1/2"	150	20.4	29.5	8.5	5.2
605475	9/16"	160	22	31.5	9	5.2
605476	5/8"	180	24.8	36	10.5	6.2
605477	11/16"	190	26.1	38	10.5	6.7
605478	3/4"	210	29.3	42	12	7.2
607858	13/16"	230	32.6	45.5	13	8.2
605479	7/8"	247	34.1	46.5	13	8.2
605480	15/16"	266	37.3	52.5	14	8.5
605481	1"	270	39	54.5	14.5	8.5
605482	1.1/16"	292	41.6	57.5	15	9
605483	1.1/8"	296	43.2	59.5	15.5	9
605484	1.1/4"	343	49	68	16.5	10.5

125/2CB

Set of combination wrenches, short type in carton box



Barcode	Nº	Hand icon
602125	125/2CB 125/2 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22)	6 - 22 / 17
602126	125/2CB 125/2 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32)	6 - 32 / 26
605543	125/2CB 125/2 (3/8", 7/16", 1/2", 9/16", 5/8", 3/4", 7/8", 1")	3/8" - 1" / 8
605544	125/2CB 125/2 (1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 7/8", 15/16", 1", 1.1/16", 1.1/8", 1.1/4")	1/4" - 1.1/4" / 15
603347	125/2CB 125/2 (8, 10, 11, 12, 13, 14, 15, 17, 19, 22)	8 - 22 / 10
603348	125/2CB 125/2 (10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30)	10 - 30 / 12

125/2CS

Set of combination wrenches, short type in carton box



Barcode	Nº	Hand icon
603712	125/2CS 125/2 (8, 9, 10, 12, 13, 14, 17, 19)	8 - 19 / 8

125/2CT

Set of combination wrenches, short type in bag



Barcode	Nº	Hand icon
615479	125/2CT 125/2 (8, 10, 11, 13, 15, 17, 19, 22), CT110	8 - 22 / 8

125/2MS

Set of combination wrenches, short type on metal stand



Barcode	Nº	Hand icon
605540	125/2MS 125/2 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22), 977/3	6 - 22 / 17

125/2PH

Set of combination wrenches, short type on plastic hanger



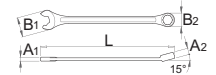
Barcode	Nº	Hand icon
610843	125/2PH 125/2 (8, 9, 10, 12, 13, 14, 17, 19)	8 - 19 / 8
610844	125/2PH 125/2 (8, 9, 10, 12, 13, 14, 16, 18)	8 - 18 / 8

129/1

Combination wrench IBEX



- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- polished head
- ring part with LIFE profile
- the strength is acting on the flank of nut to protect its angle
- 3 drive surface for greater power
- 100% positioning of the wrench
- rewind action without removing the wrench



Barcode	mm	L	B2	B1	A2	A1
611762	8	140	13.2	18.5	6.9	3.9
611763	10	160	15.9	23	7.5	4.2
611764	11	174	17.8	24.5	8	4.5
611765	12	183	19.4	26.5	8.5	4.7
611766	13	196	20.4	29.5	8.5	5.2
611767	14	206	22	31.5	9	5.2
611768	15	217	23.2	33.5	9.5	5.7
611769	16	227	24.8	36	10.5	6.2
611770	17	238	26.1	38	10.5	6.7
611930	18	250	28	40	11	7.2
611771	19	261	29.3	42	12	7.2
611772	22	296	34.1	46.5	13	8.2
611773	24	321	37.3	52.5	14	8.5

129/1CB

Set of combination wrenches IBEX in carton box



	Nº	
611776	129/1CB	8 - 24 / 12
	129/1 (8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 22, 24)	

129/1CS

Set of combination wrenches IBEX in carton box



	Nº	
611775	129/1CS	8 - 19 / 8
	129/1 (8, 10, 12, 13, 14, 15, 17, 19)	

129/1CT

Set of combination wrenches IBEX in bag



	Nº	
615474	129/1CT	8 - 22 / 8
	129/1 (8, 10, 11, 13, 15, 17, 19, 22), CT129	

129/1 USE



The strength is acting on the flank of nut to protect its angle



3 drive surface for greater power



100% positioning of the wrench



Rewind action without removing the tools

CT129

Empty bag

- Dimension 470 x 330, for article 129,120,130,180,202
- velcro fastening is used for easy opening and closing
- the closing belt is not needed



	A	B
615464	470	330

129/1PH

Set of combination wrenches IBEX on plastic hanger



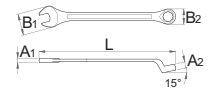
	Nº	
611774	129/1PH	8 - 19 / 8
	129/1 (8, 10, 12, 13, 14, 15, 17, 19)	
611967	129/1PH	8 - 18 / 8
	129/1 (8, 10, 12, 13, 14, 15, 16, 18)	

130/1

Offset combination wrench



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



		L	B2	B1	A2	A1
610047	6	113	11	14.5	5	3.5
610048	7	126	12	16.5	5.8	3.8
610049	8	132	14	18.5	6.9	3.8
610050	9	145	15	21	7.3	4
610051	10	157	17	23	7.5	4
610052	11	170	18	24.5	8	4.5
610053	12	176	20	26	8.5	4.7
610054	13	189	20.5	29	8.5	5
610055	14	202	22	31	9	5
610056	15	209	23.5	33	9.5	5.5
610057	16	221	25	35.5	10.5	6
610058	17	228	26	37.5	10.5	6.5
610059	18	247	27.5	39.5	11	7
610060	19	259	29.5	41.5	12	7
610061	20	265	31	43.5	12.5	7.5



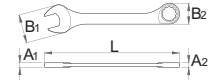


Barcode	mm	L	B2	B1	A2	A1
610062	21	275	32.5	45	13	8
610063	22	286	34	46	13	8
610064	23	296	36	50	13.5	8
610065	24	311	37.5	52	14	8.5
610066	25	318	39	54	14.5	8.5
610067	26	329	40	55	15	8.5
610068	27	340	41.5	56.5	15	9
610069	28	351	43	58.5	15.5	9
612319	29	363	45	60	16	9.5
610070	30	373	46	62	16.5	10.5
610071	32	394	49	67	16.5	11

160

Forged combination ratchet wrench

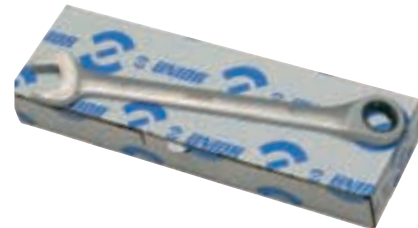
- material: chrome vanadium
- drop forged, entirely hardened and tempered
- 72 - teeth, 5° working angle



Barcode	mm	L	B2	B1	A2	A1
611609	8	144	17.5	18	7.7	4.5
611610	9	150	21	20.1	8	4.7
611611	10	157	21	22.5	8	5.3
611612	11	165	22.5	24.8	9	5.7
611613	12	172	25	26.5	9	6
611614	13	182	25	27.5	9	6.7
611615	14	189	27.5	31	9	7.1
611616	15	202	27.5	32.5	9	7.5
611617	16	216	30.5	34	10.5	7.8
611618	17	226	30.5	37	10.5	8.1
611619	18	237	33.5	38.5	11.5	8.3
611620	19	248	33.5	41	11.5	8.5
617753	20	251	42	41.8	12.2	9.2
617754	21	259	42	43.9	12.2	9.2
617755	22	267	42	46	12.2	9.2
617756	24	315	47	50.1	14.2	10.2

160CB

Set of forged combination ratchet wrenches in carton box



Barcode	Nº	8 - 19 / 8
611957	160CB	8 - 19 / 8
160 (8, 9, 10, 12, 13, 14, 17, 19)		

160CT

Set of forged combination ratchet wrenches in bag



Barcode	Nº	8 - 19 / 6
615468	160CT	8 - 19 / 6
160 (8, 10, 12, 13, 17, 19), CT252		

130/1CB

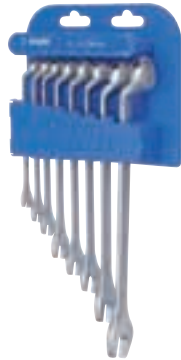
Set of offset combination wrenches in carton box



Barcode	Nº	130/1CB	6 - 22 / 13
610204	130/1CB	6 - 22 / 13	
130/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 19, 22)			

130/1PH

Set of offset combination wrenches on plastic hanger

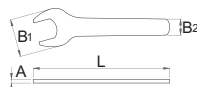


Barcode	Nº	130/1PH	8 - 19 / 8
611016	130/1PH	8 - 19 / 8	
130/1 (8, 9, 10, 12, 13, 14, 17, 19)			

135/2

Single open end wrench for gas

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

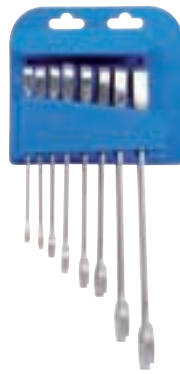


Barcode	mm	L	B1	B2	A
600262	27	187	52	22	4



160PH

Set of forged combination ratchet wrenches on plastic hanger



	Nº	
617541	160PH	8 - 19 / 8
160 (8, 9, 10, 12, 13, 14, 17, 19)		

161CT

Set of flexible forged combination ratchet wrenches in bag

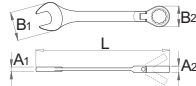


	Nº	
615469	161CT	8 - 19 / 7
161 (8, 10, 12, 13, 14, 17, 19), CT252		

161

Flexible forged combination ratchet wrench

- material: chrome vanadium
- drop forged, entirely hardened and tempered
- 72 - teeth, 5° working angle

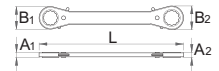


	mm	L	B2	B1	A2	A1
611621	8	143	17.5	18	9	4.5
611623	10	158	21	22.5	10	5.3
611624	11	164	22.5	24.8	10	5.7
611625	12	171	25	26.5	10	6
611626	13	177	25	27.5	10	6.7
611627	14	187	27.5	31	10	7.1
611628	15	195	27.5	32.5	10	7.5
611629	16	211	30.5	34	13	7.8
611630	17	220	30.5	37	13	8
611631	18	235	33.5	38.5	13	8.3
611632	19	244	33.5	41	13	8.5
617757	20	251	42	41.8	12.2	9.2
617758	21	259	42	43.9	12.2	9.2
617759	22	267	42	46	12.2	9.2
617760	24	285	47	50.1	14.2	10.2

165

Ratchet ring wrench

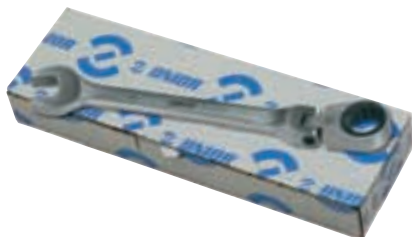
- material: ratchet: chrome vanadium
- body: sheet metal, finish: chrome plated
- the casing on the wrenches is made from plastic entirely hardened and tempered minimum turn of angle for 20°



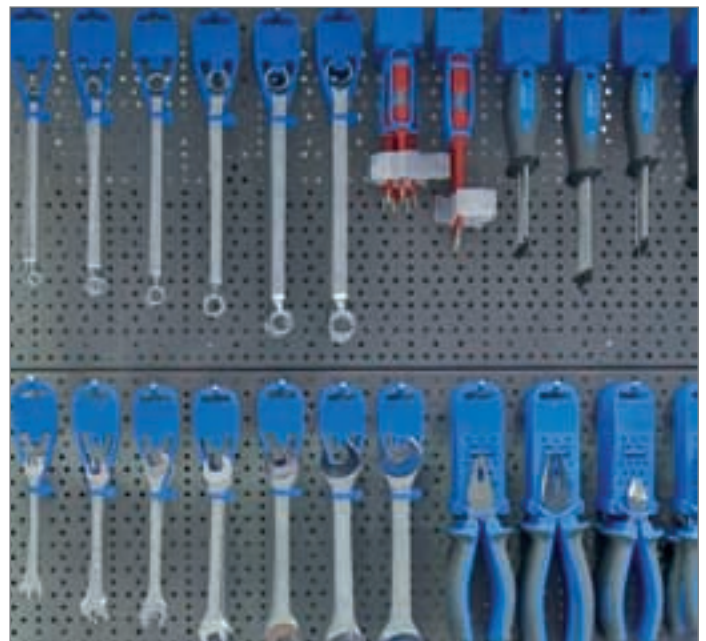
	mm	L	B1	B2	A1	A2
611633	6 x 7	116.2	20.1	20.1	11.2	11.2
611634	7 x 8	136.3	20.8	23.3	11	11
611635	8 x 9	136.3	20.8	23.3	11	11
611636	8 x 10	136.3	20.8	23.3	11	11
611637	10 x 11	143.8	23.5	26.5	11.1	11.1
611638	12 x 13	175	30.1	32.1	13	13.4
611639	12 x 14	175	30.1	32.1	13	13.4
618769	1/4" x 5/16"	116	20.1	20.1	11.2	11.2
618770	3/8" x 7/16"	144	23.5	26.5	11.4	11.1
618771	1/2" x 9/16"	175	30.1	32.1	12.8	12.9

161CB

Set of flexible forged combination ratchet wrenches in carton box



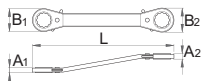
	Nº	
611958	161CB	8 - 19 / 7
161 (8, 10, 12, 13, 14, 17, 19)		



166

Offset ratchet ring wrench

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

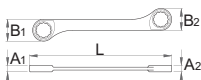


Barcode	mm	L	B1	B2	A1	A2
611640	6 x 7	111	20	20	11.2	11
611641	7 x 8	130	20.6	23	11	11.2
611642	8 x 9	130	20.6	23	11	11.2
611643	8 x 10	130	20.6	23	11	11.2
611644	10 x 11	136	23.4	26.4	11	11
611645	12 x 13	167	30.1	32	13	13.1
611646	12 x 14	167	30.1	32	13	13.1

170

Forged ratchet ring wrench

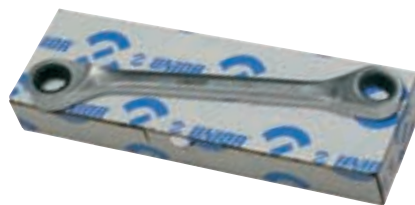
- material: chrome vanadium
- drop forged, entirely hardened and tempered
- 72 - teeth, 5° working angle



Barcode	mm	L	B2	B1	A2	A1
611647	8 x 9	133	21	17.5	8	7.7
611648	8 x 10	133	21	17.5	8	7.7
611649	10 x 11	152	22.5	21	8	8
611650	10 x 12	162	25	21	9	8
611651	10 x 13	162	25	21	9	8
611653	12 x 13	182	25	25	9	9
611654	12 x 14	192	27.5	25	9	9
611655	14 x 15	202	27.5	27.5	9	9
611656	14 x 17	212	30.5	27.5	10.5	9
611658	16 x 18	232	33.5	30.5	11.5	10.5
611659	17 x 19	232	33.5	30.5	11.5	10.5
617761	20 x 22	250	42	42	12.2	12.2
617762	21 x 23	260	47	42	14.2	12.2
617763	22 x 24	260	47	42	14.2	12.2
618765	1/4" x 5/16"	133	21	17.5	8	7.7
618766	3/8" x 7/16"	152	22.5	21.0	8.0	8.0
618767	1/2" x 9/16"	192	27.5	25	9	9
618768	7/8" x 15/16"	260	47	42	12.2	12.2

170CB

Set of forged ratchet ring wrenches in carton box



Barcode	Nº	Hand
611959	170CB	8 - 19 / 6
170 (8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 18, 17 x 19)		

170CT

Set of forged ratchet ring wrenches in bag

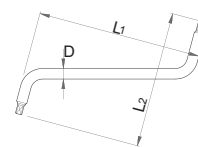


Barcode	Nº	Hand
615470	170CT	8 - 19 / 6
170 (8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 18, 17 x 19), CT252		

175/2

Wrench for oil drain plugs

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



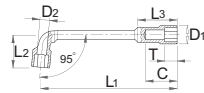
Barcode	mm	L1	L2	D
605112	8 x 10	203	169	10



176

Double ended offset socket wrench

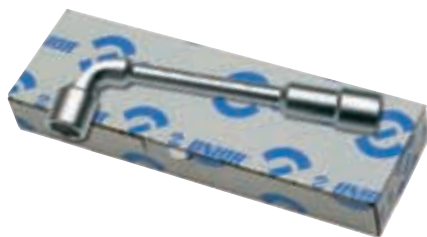
- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- drop forged, entirely hardened and tempered



mm	mm	L1	L2	C	D1	T	L3	D2
609102	6	100	22	21	10	7	27	6
609103	7	100	22	21	11	8	27	6
609104	8	120	25	24	12	9	30	7
609105	9	120	25	25	13	9	30	7
609106	10	127	30	30	15	12	36	8
609107	11	127	30	30	16	13	36	8
609108	12	143	34	34	17	13	43.5	8
609109	13	150	34	34	20	13	43.5	12
609110	14	170	40	40	21	14	48	12
609111	15	171	40	40	22	15	48	14
609112	16	197	45	46	24	17	57	15
609113	17	197	45	46	25.3	18	57	15
609114	18	209	52	49	28.5	18	61	15
609115	19	209	52	49	28.5	19	61	15
609116	20	220	54	55	29.5	21	63.5	15
609117	21	220	54	55	30	22	63.5	15
609118	22	241	60	61	32	22	68	16
609119	23	241	60	61	33	24	74	20
609120	24	242	63	65	34.5	25	77.5	20
609121	25	242	63	65	35	26	77.5	20
609122	26	278	67	70	36	27	81	22
609123	27	278	67	70	36.5	28	81	22
609124	28	294	71	70	38.5	29	84	23
609125	29	300	73	85	40	30	90	24
609126	30	316	75	85	42	31	96.5	25
609127	32	305	79	85	44	32	97.5	25
609128	35	385	93	88	48.5	35	100	27
609129	36	395	94	88	49.5	36	101	27

176CB

Set of double ended offset socket wrenches in carton box



mm	Nº	8 - 24 / 16
609130	176CB	176 (8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24)
609131	176CB	176 (8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26, 27, 28, 29, 30, 32)

176CS6

Set of double ended offset socket wrenches in carton box



mm	Nº	8 - 19 / 6
620581	176CS6	176 (8, 10, 11, 13, 17, 19)

176CS11

Set of double ended offset socket wrenches in carton box

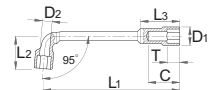


mm	Nº	8 - 24 / 11
620582	176CS11	176 (8, 10, 11, 12, 13, 16, 17, 18, 19, 22, 24)

177

Double ended offset socket wrench

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



mm	mm	L1	L2	C	D1	T	L3	D2
609083	8	120	25	24	12	9	30	7
609084	9	120	25	25	13	9	30	7
609085	10	127	30	30	15	12	36	8
609086	11	127	30	30	16	13	36	8
609087	12	143	34	34	17	13	43.5	8
609088	13	150	34	34	20	13	43.5	12
609089	14	170	40	40	21	14	48	12
609090	15	171	40	40	22	15	48	14
609091	16	197	45	46	24	17	57	15
609092	17	197	45	46	25.3	18	57	15
609093	18	209	52	49	28.5	18	61	15
609094	19	209	52	49	28.5	19	61	15
609095	20	220	54	55	29.5	21	63.5	15
609096	21	220	54	55	30	22	63.5	15
609097	22	241	60	61	32	22	68	16
609098	23	241	60	61	33	24	74	20
609099	24	242	63	65	34.5	25	77.5	20

177CB

Set of double ended offset socket wrenches in carton box



Barcode N°

609100 177CB 8 - 24 / 16
177 (8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24)

177CS6

Set of double ended offset socket wrenches in carton box



Barcode N°

620583 177CS6 8 - 19 / 6
177 (8, 10, 11, 13, 17, 19)

177CS11

Set of double ended offset socket wrenches in carton box



Barcode N°

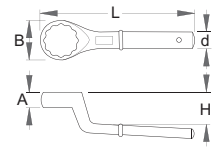
620584 177CS11 8 - 24 / 11
177 (8, 10, 11, 12, 13, 16, 17, 18, 19, 22, 24)

178/2

Single offset ring wrench



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

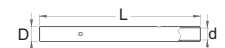


Barcode	mm	A	B	d	H	L
620821	24	17	42	18.5	30	180
620822	27	17	42	18.5	30	180
620823	30	17	42	18.5	30	180
620824	32	18	50	20.5	35	235
620825	36	18	50	20.5	35	235
620826	41	18	55	20.5	35	235
620827	46	22	70	23.5	40	265
620828	50	22	70	23.5	40	265
620829	55	22	75	23.5	40	265
620830	60	30	94	29.5	50	345
620831	65	30	94	29.5	50	345
620832	70	35	107	29.5	55	365
620833	75	35	107	29.5	55	365
620834	80	40	125	29.5	59	385
620835	85	40	125	29.5	59	385
620836	90	45	140	29.5	63	410
620837	95	45	140	29.5	63	410

178.1/2

Rod for 178/2

- material: chrome molybdenum
- surface finish: chrome plated according to EN12540



Barcode	mm	D	d	L
620840	24 - 30	25	19	460
620841	32 - 41	27	21	610
620842	46 - 55	30	24	760
620843	60 - 95	37	30	860

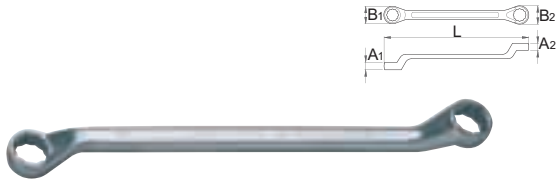
178/2 USE



179/2

Scaffolding wrench

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- to assembly scaffolding

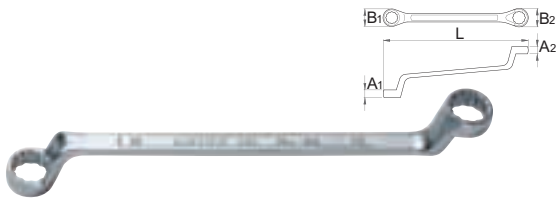


Barcode	mm	L	B1	B2	A1	A2
605042	21 x 22	316	34	35	17	17

180/1

Offset ring wrench

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- polished head
- ring part with LIFE profile
- made according to standard ISO 10104 (only metric dimension)
- drop forged, entirely hardened and tempered



Barcode	mm	L	B1	B2	A1	A2
600509	5 x 7	145	9.5	11.8	5.5	6
600510	5.5 x 7	145	9.5	11.8	5.5	6
600511	6 x 7	178	10.3	11.8	5.5	6.1
600512	8 x 9	190	13.3	14.8	6.7	7.3
600513	8 x 10	166	13.3	16	6	8
602663	9 x 11	182	14.1	16.7	7	9
600514	10 x 11	205	16.3	17.8	7.9	8.4
602997	10 x 12	210	16.3	19.3	7.9	9
600515	11 x 12	205	16.7	17.7	9	9
600516	12 x 13	220	19.3	20.9	9	9.5
600517	12 x 14	205	17.7	20.3	9	10
600518	13 x 15	235	20.8	23.3	9.5	10.5
600519	13 x 17	258	20.8	26.3	9.5	11.5
600520	14 x 15	235	22.3	23.3	10	10.5
600521	14 x 17	257	20.5	24.3	10	12
600522	16 x 17	258	25.3	26.3	11	11.5
603123	16 x 18	259	23.6	26.5	11	12
600523	17 x 19	270	26.3	29.2	11.4	12.4
600524	18 x 19	270	28.2	29.2	11.9	12.4
600525	19 x 22	293	29.2	34.2	12.4	13.7
600526	20 x 22	295	31.2	34.2	12.8	13.7
600527	21 x 23	305	32.2	36.2	13.3	13.3
600528	22 x 24	315	34.2	37.2	13.7	13.7
600529	24 x 26	325	37.2	40.2	14.6	14.6
600530	24 x 27	325	37.2	41.2	14.6	14.6
600531	25 x 28	335	39.2	43.2	15	15
600532	27 x 29	335	41.2	44.2	15.8	15.8
600533	27 x 30	360	39.2	43.4	15	15
600534	27 x 32	360	41.2	48.2	15.8	15.8
600535	30 x 32	370	45.2	48.2	17	17
603845	30 x 34	366	43.5	48	15	15



Barcode	mm	L	B1	B2	A1	A2
603124	30 x 36	395	43.5	48.8	15	18
600536	32 x 36	410	48.2	54.2	17.8	19.4
600537	36 x 41	450	49	57	19	21
602664	41 x 46	472	57	62	21	23
618659	7/32" x 15/64"	145	9.5	11.8	5.5	6.0
605375	1/4" x 5/16"	178	10.3	11.8	5.5	6.1
605376	5/16" x 3/8"	190	13.3	14.8	6.7	7.3
618660	11/32" x 13/32"	182	14.1	16.7	7.9	8.4
605377	3/8" x 7/16"	205	16.3	17.8	7.9	8.4
605378	7/16" x 1/2"	205	16.7	17.7	9	9
605379	1/2" x 9/16"	205	17.7	20.3	9	10
605380	9/16" x 5/8"	235	22.3	23.3	10	10.5
605381	5/8" x 11/16"	258	25.3	26.3	11	11.5
605382	11/16" x 3/4"	270	26.3	29.3	11.4	12.4
605383	13/16" x 7/8"	295	31.2	34.2	12.8	13.7
605384	15/16" x 1"	325	37.2	40.2	14.6	15.4
605385	1" x 1.1/8"	335	39.2	43.2	15	16.2
605386	1.1/16" x 1.1/4"	360	41.2	48.2	15.8	17.8

180/1CB

Set of offset ring wrenches in carton box



Barcode	Nº	Hand
600541	180/1CB	6 - 22 / 8
	180/1	(6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22)
603674	180/1CB	6 - 27 / 10
	180/1	(6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27)
600542	180/1CB	6 - 32 / 12
	180/1	(6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32)
600543	180/1CB	6 - 41 / 13
	180/1	(6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32, 36 x 41)
605546	180/1CB	1/4" - 3/4" / 8
	180/1	(1/4" x 5/16", 5/16" x 3/8", 3/8" x 7/16", 7/16" x 1/2", 1/2" x 9/16", 9/16" x 5/8", 5/8" x 11/16", 11/16" x 3/4")
605547	180/1CB	1/4" - 1.1/4" / 12
	180/1	(1/4" x 5/16", 5/16" x 3/8", 3/8" x 7/16", 7/16" x 1/2", 1/2" x 9/16", 9/16" x 5/8", 5/8" x 11/16", 11/16" x 3/4", 13/16" x 7/8", 15/16" x 1", 1" x 1.1/8", 1.1/16" x 1.1/4")

180/1CS

Set of offset ring wrenches in carton box



Barcode	Nº	Hand
602845	180/1CS	6 - 22 / 8
	180/1	(6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22)



180/1CT

Set of offset ring wrenches in bag



	Nº	
615473	180/1CT	6 - 22 / 8
180/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22), CT129		

180/1MS

Set of offset ring wrenches on metal stand



	Nº	
605545	180/1MS	6 - 32 / 12
180/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), 977/4		

180/1PB

Set of offset ring wrenches in plastic wallet



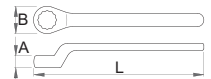
	Nº	
600540	180/1PB	6 - 17 / 6
180/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17)		
600544	180/1PB	6 - 22 / 8
180/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22)		

180/2VDEDP

Insulated single offset ring wrench

- material: chrome vanadium
- head: chrome plated according to EN12540
- double layered - double coloured insulation enable additional safety
- if second layer is visible, replace your VDE tool with the new one.
- controlled with electrical test
- made according to standard EN60900

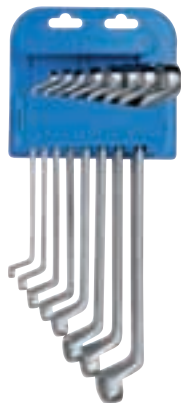
1000V
IEC 60900:2004



	mm	L	B	A
621580	6	155	13.5	8.5
621581	7	155	15	9
621582	8	160	16.5	9.5
621583	9	160	17.5	10
612185	10	162	19.5	11
612186	11	175	20	11.5
612187	12	185	21.5	11.5
612188	13	185	23	12.5
612189	14	190	25.5	13
612190	15	195	27	13.5
621584	16	190	27.5	14.5
612191	17	208	30.5	15.5
621585	18	195	30	15.5
612192	19	227	33	15.5
621586	20	245	34.5	16.2
619202	21	244	36.4	13.2
612193	22	250	37.5	17.5
621587	23	250	39.8	16.8
612194	24	255	42	18.5
621588	26	265	44	18
621589	27	270	44.8	18
621590	28	280	36.5	18.5
621591	30	310	47	19
621592	32	325	51.5	19.5

180/1PH

Set of offset ring wrenches on plastic hanger



	Nº	
610845	180/1PH	6 - 22 / 8
180/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22)		

180/2VDEDPCB

Set of insulated single offset ring wrench in carton box



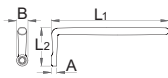
Barcode	Nº	Hand icon
612677	180/2VDEDPCB	10 - 24 / 10
	180/2VDEDP	(10, 11, 12, 13, 14, 15, 17, 19, 22, 24)

180/2AVDEDP

Insulated single ring wrench, offset 90°



- material: chrome vanadium
- head: chrome plated according to EN12540
- double layered - double coloured insulation enable additional safety
- if second layer is visible, replace your VDE tool with the new one.
- controled with electrical test



Barcode	mm	L1	L2	B	A
619123	10	220	78	18.2	10
619124	12	220	78	21.2	10
619125	13	220	78	23.3	11
619126	14	230	85	24.4	11.6
619127	17	255	100	29.3	13.8
619128	19	255	103	30.6	13
619129	20	267	107	33.3	16
619130	22	265	115	35.8	16
619131	24	265	115	38.8	16.9

182/2A

Flat ring wrench

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- ring part with LIFE profile
- made according to standard DIN 837 (only metric dimension)
- drop forged, entirely hardened and tempered



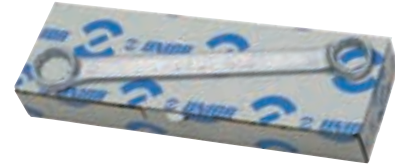
Barcode	mm	L	B1	B2	A
612004	6 x 7	97	10	11.3	4.6
612005	8 x 9	112	12.7	14	5.6
612006	10 x 11	132	15.6	16.5	6.6
612007	12 x 13	147	18	19	7.6
613223	13 x 17	167	20.5	21.5	7.6
612008	14 x 15	162	20.5	21.5	7.6
612009	16 x 17	172	23.2	24.2	8.6
612010	18 x 19	186	25.9	27.4	9.6
612011	20 x 22	206	28.9	31.8	11
612012	21 x 23	231	29.9	32.9	11.2
617634	22 x 24	231	29.9	32.9	11.2
612013	24 x 26	258	34.8	37.3	11.5



Barcode	mm	L	B1	B2	A
617670	24 x 27	258	34.8	37.3	11.5
612014	25 x 28	286	36	40.3	12.5
612015	27 x 29	298	38.8	41.8	13
617635	27 x 30	298	38.8	41.8	13
612016	30 x 32	318	42.7	45.2	13.5
617636	36 x 41	350	50	58	15

182/2ACB

Set of flat ring wrenches in carton box



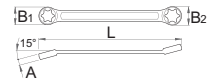
Barcode	Nº	Hand icon
612567	182/2ACB	6 - 22 / 8
	182/2A	(6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22)
612568	182/2ACB	6 - 32 / 13
	182/2A	(6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 29, 30 x 32)

182/2BTX

Flat ring wrench with offset head TX profile



- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- ring part with LIFE profile
- 15° angle assure to screw the nut on difficult of acces places
- drop forged, entirely hardened and tempered
- made according to standard EN60900

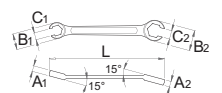


Barcode	mm	L	B1	B2	A
612892	6 x 8	97	10	11.3	4.6
612893	10 x 12	112	12.7	14	5.6
612894	14 x 18	137	16.5	21	6.6
612895	20 x 24	174	23	27.3	8.6

183/2

Open ring wrench

- material: chrome vanadium
- surface finish: chrome plated according to EN12540
- profile up to dimension 12x14 is 6 point, from 17x19 to 30x32 is 12 point
- Applications: In industry and repair shops specializing in hydraulic and pneumatic installations
- This wrench helps working on joints where the use of standard ring wrench is impossible due to the nature of the job (ex. unions on steel cables, hydraulic and water pipes and on valves etc).
- drop forged, entirely hardened and tempered



Barcode	mm	L	A1	A2	B1	B2	C1	C2
612701	8 x 10	145	7	8.5	18	20	6	7
612702	10 x 11	152	8.5	9	20	22	7	8.5





Barcode	mm	L	A1	A2	B1	B2	C1	C2
612703	11 x 13	165	9	11	22	26	8.5	10
612704	12 x 14	178	10	12	24	28	9	11
615147	16 x 18	196	12	12.5	30.5	33.5	13	14
612705	17 x 19	210	13	14	32	35	14	15
612706	19 x 22	233	14	16	35	41	15	17
612707	22 x 24	252	16	17	41	45	17	18
612708	24 x 27	265	17	17	45	48	18	20
612709	30 x 32	285	21	23	50	52	22	24

183/2CB

Set of open ring wrenches with offset head in carton box



Barcode	Nº	Hand
612985	183/2CB 183/2 (8 x 10, 10 x 11, 11 x 13, 12 x 14, 17 x 19, 19 x 22)	8 - 22 / 6 ↖
612986	183/2CB 183/2 (8 x 10, 10 x 11, 11 x 13, 12 x 14, 17 x 19, 19 x 22, 22 x 24, 24 x 27, 30 x 32)	8 - 32 / 9 ↖

183/2CT

Set of open ring wrenches with offset head in bag

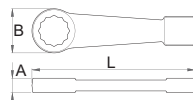


Barcode	Nº	Hand
615467	183/2CT 183/2 (8 x 10, 11 x 13, 12 x 14, 16 x 18, 17 x 19, 22 x 24), CT252	8 - 24 / 6 ↖

184/7

Slogging ring wrench

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



Barcode	mm	L	B	A
620494	24	180	48.6	16
620495	27	180	48.6	16
620496	30	180	48.6	16
620497	32	190	58.4	18
620498	36	190	58.4	18
620499	41	235	74	22
620500	46	235	74	22
620501	50	235	74	22
620502	55	275	97.6	27
620503	60	275	97.6	27



Barcode	mm	L	B	A
620504	65	275	97.6	27
620505	70	330	108	33
620506	75	330	108	33
620507	80	360	124	36
620508	85	360	124	36
620509	90	390	142	39
620510	95	390	142	39
620511	100	425	153	44
620512	105	425	153	45
620513	110	450	168	47
620514	115	450	168	47
620515	120	495	190	53
620516	125	495	190	53
620517	130	520	200	58
620518	135	520	200	60
620519	140	575	220	61
620520	145	575	220	61
620521	150	575	220	61
620522	1.1/16"	180	49	16
620523	1.1/8"	180	49	16
620524	1.3/16"	180	49	16
620525	1.1/4"	190	58	18
620526	1.5/16"	190	58	18
620527	1.3/8"	190	58	18
620528	1.7/16"	190	58	18
620529	1.1/2"	235	74	22
620530	1.5/8"	235	74	22
620531	1.11/16"	235	74	22
620532	1.3/4"	235	74	22
620533	1.13/16"	235	74	22
620534	1.7/8"	235	74	22
620535	2"	235	74	22
620536	2.1/16"	275	98	27
620537	2.1/8"	275	98	27
620538	2.3/16"	275	98	27
620539	2.1/4"	275	98	27
620540	2.5/16"	275	98	27
620541	2.3/8"	275	98	27
620542	2.1/2"	300	102	28.5
620543	2.9/16"	300	102	28.5
620544	2.5/8"	300	102	28.5
620545	2.3/4"	330	108	33
620546	2.15/16"	330	108	33
620547	3"	330	108	33
620548	3.1/8"	360	124	36
620549	3.3/8"	360	124	36
620550	3.1/2"	390	142	39
620551	3.3/4"	390	142	39
620552	3.7/8"	425	153	44
620553	4"	425	153	44
620554	4.1/8"	425	153	45
620555	4.1/2"	450	168	47

