

WRENCHES

In the forces of the present lies the power of the future

WHERE DO YOU DIRECT YOUR OWN EFFORTS?

Precisely and firmly onto screw heads and nuts.

Without accidental injuries!

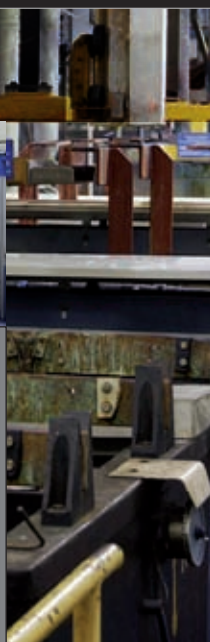
Thanks to their innovative design and state-of-the art make Unior wrenches guarantee an accurate and efficient transfer of force to screw heads and nuts.

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.

One of the best qualities of Unior tools is their 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 Dim. ensioning and manufacture only increase their extreme power and durability. In fact, the well-studied distribution of the material renders them virtually indestructible.

The basic Set of handy and serviceable wrenches is expanded by a wide range of specific-purpose variants.

All Unior wrenches meet the internationally acknowledged DIN 475 ISO 691, DIN 899 and DIN EN12540 standards.



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 27



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.

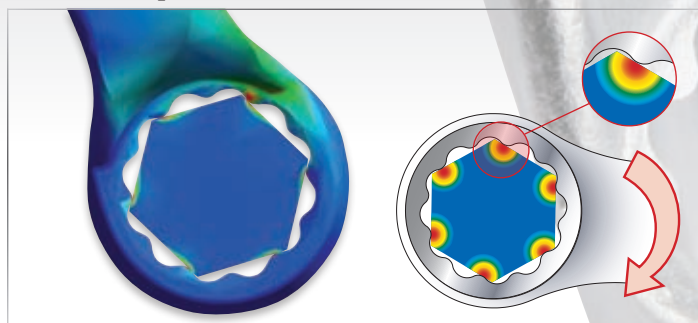


9. Sanding and polishing:
Various abrasive substances are blasted onto the surface of the wrenches by means of compressed air. The abrasives burr the surface, while at the same time imparting to it a certain asperity, important for the subsequent application of a suitable galvanic (protective) coating.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



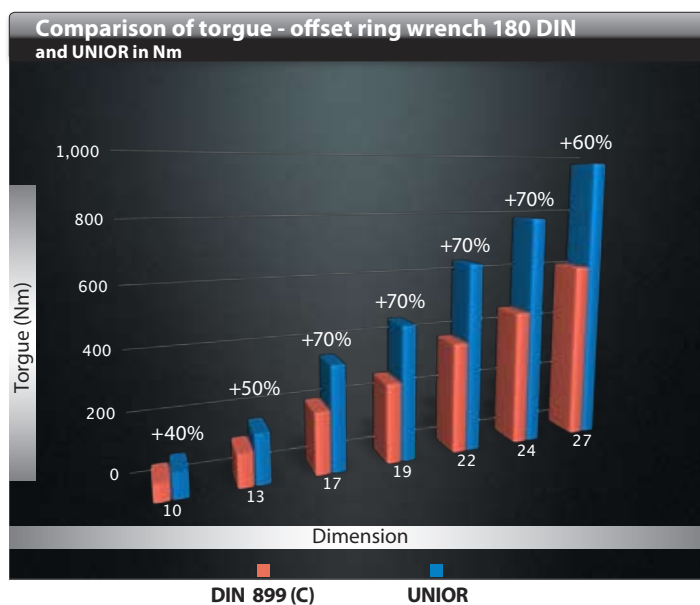
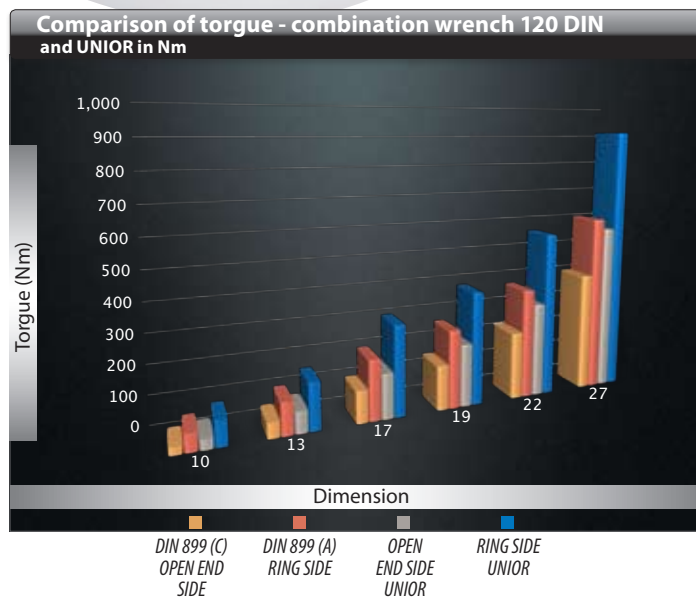
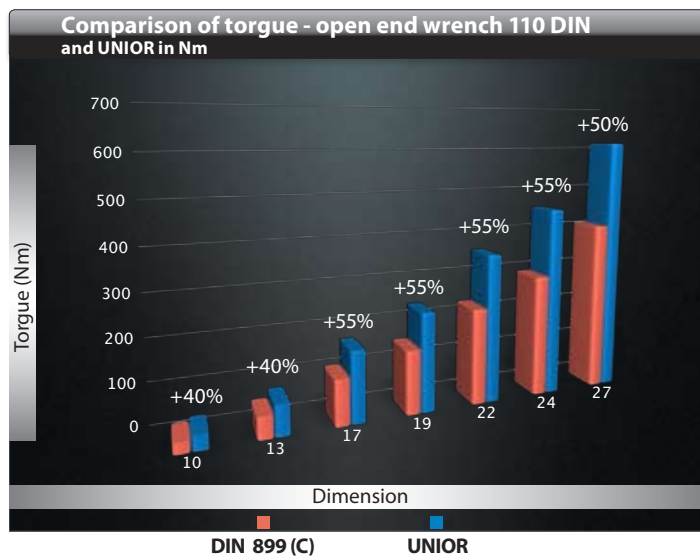
10. Chrome plating
Wrenches are coated with a thin, solid layer of chrome dioxide to protect them from corrosion, wear and scratches; metal chrome is used in the alloying of steel and metal plate, while also giving the wrench an attractively shiny visual aspect.

"LIFE profile"



Main advantages of LIFE profil

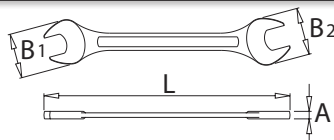
- fasten surface screws, screw-nuts in just six points
- protection of screws and screw-nuts edges
- faster position and comfortable work
- suitable also for damaged screws, screw-nuts





110/1 OPEN END WRENCHES

material: chrome vanadium
chrome plated, polished ISO head
jaw opening DIN 475 ISO 691
hardness DIN 899
rust prevention DIN EN 12540



DIN 3110, ISO 10102

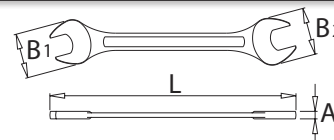
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603317	033174	4 x 5	100	13,6	13,6	3,4	14
603318	033181	5 x 5,5	100	13,6	13,6	3,4	14
600059	000596	5 x 7	121	14,4	16,4	3,4	16
600060	000602	5,5 x 7	121	14,4	16,4	3,4	16
600061	000619	6 x 7	121	14,4	16,4	3,4	16
600062	000626	7 x 8	140	18,4	22,9	3,7	26
600063	000633	7 x 9	140	18,4	22,9	3,7	26
600064	000640	8 x 9	140	18,4	22,9	3,7	26
600065	000657	8 x 10	140	18,4	22,9	3,7	26
600066	000664	9 x 10	159	22,7	24,2	4,5	45
600067	000671	9 x 11	159	22,7	24,2	4,5	42
600068	000688	10 x 11	159	22,7	24,2	4,5	42
600069	000695	10 x 12	172	26,2	29,2	4,5	64
600070	000701	10 x 13	172	26,2	29,2	4,9	59
600071	000718	10 x 14	172	26,2	29,2	4,9	64
600072	000725	11 x 13	172	26,2	29,2	4,9	62
600073	000732	11 x 14	172	26,2	29,2	4,9	61
600074	000749	12 x 13	172	26,2	29,2	4,9	60
600075	000756	12 x 14	172	26,2	29,2	4,9	63
600076	000763	13 x 14	192	31,2	33,2	5,4	81
600077	000770	13 x 15	192	31,2	33,2	5,4	85
603846	038469	13 x 16	192	31,2	33,2	5,4	104
600078	000787	13 x 17	200	31,2	37,7	5,7	110
600079	000794	14 x 15	192	31,2	33,2	5,4	82
600080	000800	14 x 17	200	31,2	37,7	5,7	104
600081	000817	15 x 17	206	35,7	37,7	5,7	114
600082	000824	16 x 17	206	35,7	41,5	5,7	11
603121	031217	16 x 18	213	35,7	41,5	6,2	143
600083	000831	17 x 19	223	39,5	41,5	6,2	450
600084	000848	17 x 22	223	39,5	41,5	6,2	195
600085	000855	18 x 19	223	39,5	41,5	6,2	148
603847	038476	18 x 21	223	39,5	46	6,2	146
600086	000862	19 x 22	232	43,5	46	6,7	190
600087	000879	19 x 24	232	43,5	46	6,7	245
600088	000886	20 x 22	232	43,5	46	6,7	185
600089	000893	21 x 23	249	46	52	7,2	243
600090	000909	22 x 24	249	46	52	7,2	246
600091	000916	22 x 27	249	46	52	7,2	300
600092	000923	24 x 26	265	51,8	55,3	7,7	306
600093	000930	24 x 27	265	53,8	55,3	7,7	303
600094	000947	24 x 30	279	53,8	58,8	8,2	371
600095	000954	25 x 28	279	62,8	58,8	8,2	350
600096	000961	27 x 29	309	62,8	67,3	9,2	538
600097	000978	27 x 30	309	62,8	67,3	9,2	526
600098	000985	27 x 32	309	62,8	67,3	9,2	518
600099	000992	30 x 32	309	62,8	67,3	9,2	524
603848	038483	30 x 34	315	62,8	68,8	9,6	535
602593	025933	30 x 36	319	62,8	78,8	9,6	631
600100	001005	32 x 36	327	68,8	78,8	9,6	652
600101	001012	34 x 36	327	68,8	78,8	9,6	650
600102	001029	36 x 41	360	78,8	86,8	9,6	823
605549	055497	38 x 42	360	78,8	86,8	9,6	815
602594	025940	41 x 46	410	86,8	94,8	14,6	1718
602595	025957	46 x 50	460	94,8	103,89	15,6	2380



605348	053486	1/4" x 5/16"	121	14,4	16,4	3,4	18
605349	053493	5/16" x 3/8"	140	18,4	22,9	3,7	27
605350	053509	3/8" x 7/16"	159	22,7	24,2	4,5	45
605351	053516	7/16" x 1/2"	172	26,2	29,2	4,9	64
605352	053523	1/2" x 9/16"	192	31,2	33,2	5,4	84
605353	053530	9/16" x 5/8"	192	31,2	33,2	5,4	81
605354	053547	5/8" x 11/16"	206	35,7	37,7	5,7	111
605355	053554	11/16" x 3/4"	223	39,5	41,5	6,2	111
605356	053561	13/16" x 7/8"	249	46	52	7,2	243
605357	053578	15/16" x 1"	265	51,8	55,3	7,7	303
605358	053585	1" x 1,1/8"	279	53,8	58,8	8,2	350
605359	053592	1,1/16" x 1,1/4"	309	62,8	67,3	9,6	518

110/2 OPEN END WRENCHES

material: chrome vanadium
chrome plated
jaw opening DIN 475 ISO 691
hardness DIN 899
rust prevention DIN EN 12540



DIN 3110, ISO 10102

Code	EAN	mm	L	B1	B2	A	
603319	033198	4 x 4,5	100	13,6	13,6	3,4	14
600110	001104	4 x 5	100	13,6	13,6	3,4	14
603320	033204	5 x 5,5	100	13,6	13,6	3,4	14
600111	001111	5 x 7	121	14,4	16,4	3,4	16
600112	001128	5,5 x 7	121	14,4	16,4	3,4	16
600113	001135	6 x 7	121	14,4	16,4	3,4	16
600114	001142	7 x 8	140	18,4	22,9	3,7	26
600115	001159	7 x 9	140	18,4	22,9	3,7	26
600116	001166	8 x 9	140	18,4	22,9	3,7	26
600117	001173	8 x 10	140	18,4	22,9	3,7	26
600118	001180	9 x 10	159	22,7	24,2	4,5	45
600119	001197	9 x 11	159	22,7	24,2	4,5	42
600120	001203	10 x 11	159	22,7	24,2	4,5	42
600121	001210	10 x 12	172	26,2	29,2	4,5	64
600122	001227	10 x 13	172	26,2	29,2	4,9	59
600123	001234	10 x 14	172	26,2	29,2	4,9	64
600124	001241	11 x 13	172	26,2	29,2	4,9	62
600125	001258	11 x 14	172	26,2	29,2	4,9	61
600126	001265	12 x 13	172	26,2	29,2	4,9	60
600127	001272	12 x 14	172	26,2	29,2	4,9	63
600128	001289	13 x 14	192	31,2	33,2	5,4	81
600129	001296	13 x 15	192	31,2	33,2	5,4	85
603849	038490	13 x 16	192	31,2	33,2	5,4	104
600130	001302	13 x 17	200	31,2	37,7	5,7	110
600131	001319	14 x 15	192	31,2	33,2	5,4	82
600132	001326	14 x 17	200	31,2	37,7	5,7	104
600133	001333	15 x 17	206	35,7	37,7	5,7	114
600134	001340	16 x 17	206	35,7	41,5	5,7	11
603122	031224	16 x 18	213	35,7	41,5	6,2	143
600135	001357	17 x 19	223	39,5	41,5	6,2	450
600136	001364	17 x 22	223	39,5	41,5	6,2	195
600137	001371	18 x 19	223	39,5	41,5	6,2	148
603850	038506	18 x 21	223	39,5	46	6,2	146
600138	001388	19 x 22	232	43,5	46	6,7	190
600139	001395	19 x 24	232	43,5	46	6,7	245
600140	001401	20 x 22	232	43,5	46	6,7	185
600141	001418	21 x 23	249	46	52	7,2	243
600142	001425	22 x 24	249	46	52	7,2	246
600143	001432	22 x 27	249	46	52	7,2	300
600144	001449	24 x 26	265	51,8	55,3	7,7	306
600145	001456	24 x 27	265	53,8	55,3	7,7	303
600146	001463	24 x 30	279	53,8	58,8	8,2	371
600147	001470	25 x 28	279	62,8	58,8	8,2	350
600148	001487	27 x 29	309	62,8	67,3	9,2	538
600149	001494	27 x 30	309	62,8	67,3	9,2	526
600150	001500	27 x 32	309	62,8	67,3	9,2	518
600151	001517	30 x 32	309	62,8	67,3	9,2	524
603851	038513	30 x 34	315	62,8	68,8	9,6	535
602596	025964	30 x 36	319	62,8	78,8	9,6	631
600152	001524	32 x 36	327	68,8	78,8	9,6	652
600153	001531	34 x 36	327	68,8	78,8	9,6	650
600154	001548	36 x 41	360	78,8	86,8	9,6	823
605550	055503	38 x 42	360	78,8	86,8	9,6	815
602597	025971	41 x 46	410	86,8	94,8	14,6	1718
602598	025988	46 x 50	460	94,8	103,89	15,6	2380



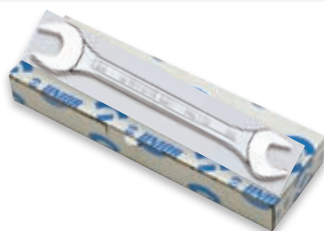
605458	054582	1/4" x 5/16"	121	14,4	16,4	3,4	18
605459	054599	5/16" x 3/8"	140	18,4	22,9	3,7	27
605460	054605	3/8" x 7/16"	159	22,7	24,2	4,5	45
605461	054612	7/16" x 1/2"	172	26,2	29,2	4,9	64
605462	054629	1/2" x 9/16"	192	31,2	33,2	5,4	84
605463	054636	9/16" x 5/8"	192	31,2	33,2	5,4	81
605464	054643	5/8" x 11/16"	206	35,7	37,7	5,7	111
605465	054650	11/16" x 3/4"	223	39,5	41,5	6,2	111
605466	054667	13/16" x 7/8"	249	46	52	7,2	243
605467	054674	15/16" x 1"	265	51,8	55,3	7,7	303
605468	054681	1" x 1,1/8"	279	53,8	58,8	8,2	350
605469	054698	1,1/16" x 1,1/4"	309	62,8	67,3	9,6	518

material: chrome vanadium
chrome plated, polished head
jaw opening DIN 475 ISO 691
hardness DIN 899
rust prevention DIN EN 12540

DIN 3110, ISO 10102

110 CS SET OF OPEN END WRENCHES IN CARTON BOX


Code 110/1	EAN	Code 110/2	EAN	Set		
602844	028446	602846	028460	6-22	8	810
6x7+8x9+10x11+12x13+14x15+16x17+18x19+20x22						

110 CB SET OF OPEN END WRENCHES IN CARTON BOX


Code 110/1 CB	EAN	Code 110/2 CB	EAN	Set		
600105	001050	600155	001555	6-22	8	740
6x7+8x9+10x11+12x13+14x15+16x17+18x19+20x22						
611018	110189	603345	033457	8-27	10	1320
6x7+8x9+10x11+12x13+14x15+16x17+18x19+20x22+21x23+24x27						
600106	001067	600156	001562	6-32	12	2190
6x7+8x9+10x11+12x13+14x15+16x17+18x19+20x22+21x23+24x26+25x28+27x32						
603714	037141			6-32	12	2190
6x7+8x9+10x11+12x13+14x15+16x17+18x19+20x22+21x23+24x26+25x28+30x32						
600107	001074	600158	001586	6-41	13	3030
6x7+8x9+10x11+12x13+14x15+16x17+18x19+20x22+21x23+24x26+25x28+27x32+36x41						
605530	055305	605533	055336	1/4"- 3/4"	8	620
1/4x5/16+5/16x3/8+3/8x7/16+7/16x1/2+1/2x9/16+9/16x5/8+5/8x11/16+11/16x3/4						
605531	055312	605534	055343	1/4"- 1 1/4"	12	7075
1/4x5/16+5/16x3/8+3/8x7/16+7/16x1/2+1/2x9/16+9/16x5/8+5/8x11/16+11/16x3/4+13/16x7/8+15/16x1+1"x1" 1/8+1" 1/16x1" 1/4						

110 CT SET OF OPEN END WRENCHES IN BAG


Code 110/1 CT	EAN	Code 110/2 CT	EAN	Set		
615465	154657	615466	154664	6-22	8	810
6x7+8x9+10x11+12x13+14x15+16x17+18x19+20x22, CT110						

CT 110 EMPTY BAG

Closing bristling is two times trimming on back bag side
the closing belt is not needed


Code EAN

615480	154800
Dimension 430 x 275, for article 110 and 125	

110 PB SET OF OPEN END WRENCHES IN PLASTIC WALLET


Code 110/1 PB	EAN	Code 110/2 PB	EAN	Set		
600108	001081	600159	001593	6-17	6	385
6x7+8x9+10x11+12x13+14x15+16x17						
600109	001098	600160	001609	6-22	8	725
6x7+8x9+10x11+12x13+14x15+16x17+18x19+20x22						

110 PH SET OF OPEN END WRENCHES ON PLASTIC HANGER

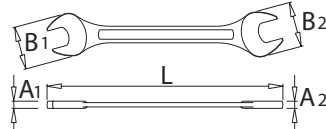

Code 110/1 PH	EAN	Code 110/2 PH	EAN	Set		
610835	108353	610836	108360	6-22	8	950
6x7+8x9+10x11+12x13+14x15+16x17+18x19+20x22						

110 MS SET OF OPEN END WRENCHES ON METAL STAND


Code 110/1 MS	EAN	Code 110/2 MS	EAN	Set		
605528	055282	605529	055299	6-32	12	2835
6x7+8x9+10x11+12x13+14x15+16x17+18x19+20x22+21x23+24x26+25x28+27x32						
605532	055329	605535	055350	1/4"- 1 1/4"	12	2720
1/4x5/16+5/16x3/8+3/8x7/16+7/16x1/2+1/2x9/16+9/16x5/8+5/8x11/16+11/16x3/4+13/16x7/8+15/16x1+1"x1" 1/8+1" 1/16x1" 1/4						


112 OPEN END WRENCHES

material: carbon tool steel
chrome plated
hardness DIN 899
rust prevention DIN EN 12540

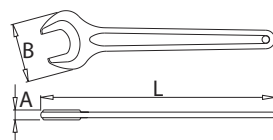


DIN 895, ISO 1085

Code	EAN	mm	L	B1	B2	A1	A2	kg
602081	020815	6 x 7	97	15	17	3	3,2	20
602082	020822	8 x 10	115	18	22	4,2	4,2	26
613222	132228	10 x 11	122	23	24,5	5	5	40
605045	050454	10 x 12	128	22	28	5	5	38
603611	036113	10 x 13	137	26	28,5	5,2	5,2	42
602083	020839	11 x 13	132	26	28,5	5	5,4	62
602084	020846	12 x 14	146	28	32	5,5	5,5	63
612773	127736	13 x 14	146	28	32	5,5	5,5	46
602085	020853	13 x 15	152	28	32	6	6	89
603134	031347	13 x 17	158	30	35	6,5	6,5	100
612774	127743	14 x 15	137	26	28,5	5,4	5,4	58
602086	020860	14 x 17	158	30	35	6,5	6,5	110
602087	020877	17 x 19	170	35	40	7	7	149
602088	020884	19 x 22	197	42	48	8	8	160
605921	059211	21 x 23	217	46	51	9	9	170


117 SINGLE OPEN END WRENCHES

material: chrome vanadium
black finish
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.

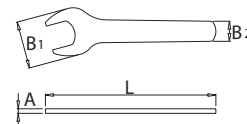


DIN 894

Code	EAN	mm	L	A	B	kg
615262	152622	10	104	4,5	22	25
615263	152639	13	132	5,4	28	40
615264	152646	17	157	5,9	36	68
615265	152653	19	170	6,9	40	90
615266	152660	21	195	7,9	46	112
615267	152677	22	195	7,9	46	115
615268	152684	24	218	8,7	50	131
615269	152691	27	240	9,7	56	185
615270	152707	30	265	10,7	62	295
615271	152714	32	275	11,7	66	305
615272	152721	34	275	11,7	70	340
615273	152738	36	295	12,5	74	365
615274	152745	38	295	12,5	74	365
615275	152752	41	335	13,5	84	545
615276	152769	46	365	14,5	94	720
615277	152776	50	400	15,5	102	810
615278	152783	55	475	16	110	1218
615279	152790	60	475	17	120	1270
615280	152806	65	550	18	130	1850
615281	152813	70	550	19	140	1950
615282	152820	75	620	20	150	2650
615283	152837	80	620	21	160	2800
615284	152844	85	665	22	170	3560
615285	152851	90	740	23	190	4500
615286	152868	95	740	23	190	4500
615287	152875	100	800	24	200	5600


135 SINGLE OPEN END WRENCH FOR GAS

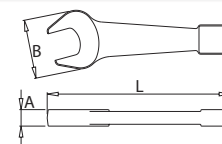
chrome plated



Code	EAN	mm	L	B1	B2	A	kg
600262	002620	27	187	52	22	4	146


118 SLOGGING OPEN END WRENCHES

material: carbon tool steel
lacquered



DIN 133

Code	EAN	mm	L	B	A	kg
600264	002644	24	170	56	15	425
600265	002651	27	170	56	15	400
600266	002668	30	200	70	18	870
600267	002675	32	200	70	18	840
600268	002682	36	200	70	18	816
600269	002699	41	240	88	20	1500
600270	002705	46	240	88	20	1400
600271	002712	50	265	102	20	1600
600272	002729	55	305	112	24	2580
600273	002736	60	305	112	24	2530
600274	002743	65	335	123	27	3604
600275	002750	70	370	143	30	5200
602060	020600	75	385	143	30	4600
602061	020617	80	445	180	35	10800
602062	020624	85	445	180	35	9550
602063	020631	90	445	180	35	9200
602064	020648	95	445	180	35	8800
602065	020655	100	445	180	35	8500

IBEX


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



3 drive surface for greater power



100% positioning of the wrench



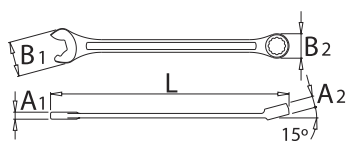
Rewind action without removing the tools

"LIFE profile"



129 COMBINATION WRENCHES IBEX

material: chrome vanadium
chrome plated
polished head
jaw opening DIN 475 ISO 691
hardness DIN 899
rust prevention DIN EN 12540
ring part with LIFE profile



ISO 7738

Code	EAN	mm	L	B2	B1	A2	A1	
611762	117621	8	140	13,2	18,5	6,9	3,9	28
611763	117638	10	160	15,9	23	7,5	4,2	42
611764	117645	11	174	17,8	24,5	8	4,5	47
611765	117652	12	183	19,4	26,5	8,5	4,7	58
611766	117669	13	196	20,4	29,5	8,5	5,2	70
611767	117676	14	206	22	31,5	9	5,2	84
611768	117683	15	217	23,2	33,5	9,5	5,7	104
611769	117690	16	227	24,8	36	10,5	6,2	128
611770	117706	17	238	26,1	38	10,5	6,7	149
611930	119304	18	250	28	40	11	7,2	160
611771	117713	19	261	29,3	42	12	7,2	189
611772	117720	22	296	34,1	46,5	13	8,2	272
611773	117737	24	321	37,3	52,5	14	8,5	353

129 CS SET OF COMBINATION WRENCHES IBEX IN CARTON BOX



Code	EAN	Set		
129 CS				
611775	117751	8-19	8	720
		8+10+12+13+14+15+17+19		

129 CB SET OF COMBINATION WRENCHES IBEX IN CARTON BOX



Code	EAN	Set		
129 CB				
611776	117768	8-24	12	1582
		8+10+11+12+13+14+15+16+17+19+22+24		

129 PH SET OF COMBINATION WRENCHES IBEX ON PLASTIC HANGER



Code	EAN	Set		
129 PH				
611774	117744	8-19	8	744
		8+10+12+13+14+15+17+19		
611967	119670	8-18	8	744
		8+10+12+13+14+15+16+18		

129 CT SET OF COMBINATION WRENCHES IBEX IN BAG



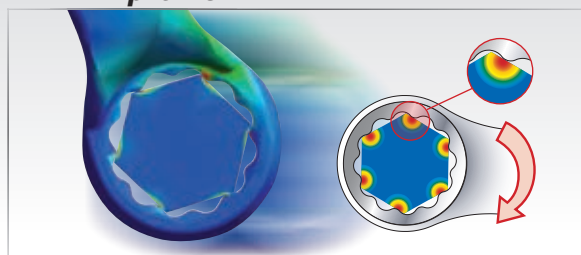
Code	EAN	Set		
129 CT				
615474	154749	8-22	8	965
		8,10,11,13,15,17,19,22, CT129		

CT 129 EMPTY BAG

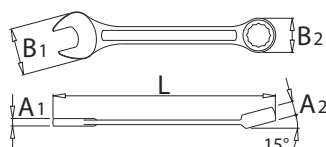
Closing bristling is two times trimming on back bag side
the closing belt is not needed



Code	EAN
615464	154640
	Dimension 470 x 330, for article 129, 120, 130, 180,202

"LIFE profile"

125/1 COMBINATION WRENCHES, SHORT TYPE

material: chrome vanadium
chrome plated
polished head
jaw opening DIN 475 ISO 691
hardness DIN 899
rust prevention DIN EN 12540
ring part with LIFE profile

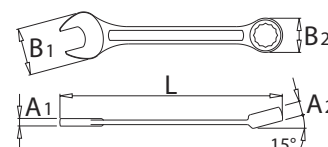


DIN 3113, ISO 7738

Code	EAN	mm	L	B2	B1	A2	A1	mm
600414	004143	6	100	10,4	14,5	5	3,5	13
600415	004150	7	109	11,5	16,5	5,8	3,9	17
600416	004167	8	119	13,2	18,5	6,9	3,9	23
600417	004174	9	123	14,3	21	7,3	4	28
600418	004181	10	128	15,9	23	7,5	4,2	33
600419	004198	11	135	17,8	24,5	8	4,5	35
600420	004204	12	139	19,4	26,5	8,5	4,7	45
600421	004211	13	150	20,4	29,5	8,5	5,2	60
600422	004228	14	160	22	31,5	9	5,2	68
600423	004235	15	170	23,2	33,5	9,5	5,7	83
600424	004242	16	180	24,8	36	10,5	6,2	100
600425	004259	17	190	26,1	38	10,5	6,7	123
600426	004266	18	200	27,7	40	11	7,2	144
600427	004273	19	210	29,3	42	12	7,2	165
600428	004280	20	220	31	44	12,5	7,7	190
600429	004297	21	230	32,6	45,5	13	8,2	214
600430	004303	22	247	34,1	46,5	13	8,2	230
602089	020891	23	250	35,7	50,5	13	8,2	263
602090	020907	24	266	37,3	52,5	14	8,5	297
602091	020914	25	270	39	54,5	14,5	8,5	327
602092	020921	26	275	40,1	56	15	8,5	343
602093	020938	27	292	41,6	57,5	15	9	380
602094	020945	28	296	43,2	59,5	15,5	9	426
602095	020952	29	300	44,9	61,5	16	9,5	460
602096	020969	30	323	46,5	63,5	16	10	502
602097	020976	32	343	49	68	16,5	10,5	590
603332	033327	36	400	54,5	79,5	20	13,5	1152
"								
605360	053608	1/4"	100	10,4	14,5	5	3,5	13
605361	053615	5/16"	119	13,2	18,5	6,9	3,9	23
605362	053622	3/8"	128	14,3	21	7,3	4	28
605363	053639	7/16"	135	17,8	24,5	8	4,5	38
605364	053646	1/2"	150	20,4	29,5	8,5	5,2	57
605365	053653	9/16"	160	22	31,5	9	5,2	70
605366	053660	5/8"	180	24,8	36	10,5	6,2	103
605367	053677	11/16"	190	26,1	38	10,5	6,7	123
605368	053684	3/4"	210	29,3	42	12	7,2	159
607857	078571	13/16"	230	32,6	45,5	13	8,2	216
605369	053691	7/8"	247	34,1	46,5	13	8,2	230
605370	053707	15/16"	266	37,3	52,5	14	8,5	300
605371	053714	1"	270	39	54,5	14,5	8,5	325
605372	053721	1,1/16"	292	41,6	57,5	15	9	374
605373	053738	1,1/8"	296	43,2	59,5	15,5	9	416
605374	053745	1,1/4"	343	49	68	16,5	10,5	592


125/2 COMBINATION WRENCHES, SHORT TYPE

material: chrome vanadium
chrome plated
jaw opening DIN 475 ISO 691
hardness DIN 899
ring part with LIFE profile
rust prevention DIN EN 12540



DIN 3113, ISO 7738

Code	EAN	mm	L	B2	B1	A2	A1	mm
602099	020990	6	100	10,4	14,5	5	3,5	13
602100	021003	7	109	11,5	16,5	5,8	3,9	17
602101	021010	8	119	13,2	18,5	6,9	3,9	23
602102	021027	9	123	14,3	21	7,3	4	28
602103	021034	10	128	15,9	23	7,5	4,2	33
602104	021041	11	135	17,8	24,5	8	4,5	35
602105	021058	12	139	19,4	26,5	8,5	4,7	45
602106	021065	13	150	20,4	29,5	8,5	5,2	60
602107	021072	14	160	22	31,5	9	5,2	68
602108	021089	15	170	23,2	33,5	9,5	5,7	83
602109	021096	16	180	24,8	36	10,5	6,2	100
602110	021102	17	190	26,1	38	10,5	6,7	123
602111	021119	18	200	27,7	40	11	7,2	144
602112	021126	19	210	29,3	42	12	7,2	165
602113	021133	20	220	31	44	12,5	7,7	190
602114	021140	21	230	32,6	45,5	13	8,2	214
602115	021157	22	247	34,1	46,5	13	8,2	230
602116	021164	23	250	35,7	50,5	13	8,2	263
602117	021171	24	266	37,3	52,5	14	8,5	297
602118	021188	25	270	39	54,5	14,5	8,5	327
602119	021195	26	275	40,1	56	15	8,5	343
602120	021201	27	292	41,6	57,5	15	9	380
602121	021218	28	296	43,2	59,5	15,5	9	426
602122	021225	29	300	44,9	61,5	16	9,5	460
602123	021232	30	323	46,5	63,5	16	10	502
602124	021249	32	343	49	68	16,5	10,5	590
602333	023334	36	400	54,5	79,5	20	13,5	1152
"								
605470	054704	1/4"	100	10,4	14,5	5	3,5	13
605471	054711	5/16"	119	13,2	18,5	6,9	3,9	23
605472	054728	3/8"	128	14,3	21	7,3	4	28
605473	054735	7/16"	135	17,8	24,5	8	4,5	38
605474	054742	1/2"	150	20,4	29,5	8,5	5,2	57
605475	054759	9/16"	160	22	31,5	9	5,2	70
605476	054766	5/8"	180	24,8	36	10,5	6,2	103
605477	054773	11/16"	190	26,1	38	10,5	6,7	123
605478	054780	3/4"	210	29,3	42	12	7,2	159
607858	078588	13/16"	230	32,6	45,5	13	8,2	216
605479	054797	7/8"	247	34,1	46,5	13	8,2	230
605480	054803	15/16"	266	37,3	52,5	14	8,5	300
605481	054810	1"	270	39	54,5	14,5	8,5	325
605482	054827	1,1/16"	292	41,6	57,5	15	9	374
605483	054834	1,1/8"	296	43,2	59,5	15,5	9	416
605484	054841	1,1/4"	343	49	68	16,5	10,5	592

material: chrome vanadium
chrome plated
polished head
jaw opening DIN 475 ISO 691
hardness DIN 899
rust prevention DIN EN 12540
ring part with LIFE profile

DIN 3113, ISO 7738



125 CB SET OF COMBINATION WRENCHES, SHORT TYPE
IN CARTON BOX



Code 125/1 CB	EAN	Code 125/2 CB	EAN	Set		
600431	004310	602125	021256	6-22	17	1650
				6+7+8+9+10+11+12+13+14+15+16+17+18+19+20+21+22		
602098	020983	602126	021263	6-32	26	5310
				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		
611021	110219	603347	033471	8-22	10	869
				8+10+11+12+13+14+15+17+19+22		
611022	110226	603348	033488	10-30	12	2025
				10+11+12+13+14+15+17+19+22+24+27+30		
605541	055411	605543	055435	3/8" - 1"	8	1111
				3/8+7/16+1/2+9/16+5/8+3/4+7/8+1		
605542	055428	605544	055442	1/4"-1 1/4"	12	3698
				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		

125 PH SET OF COMBINATION WRENCHES, SHORT TYPE
ON PLASTIC HANGER



Code 125/1 PH	EAN	Code 125/2 PH	EAN	Set		
610841	108414	610843	037127	8-19	8	596
				8+9+10+12+13+14+17+19		
610842	108421	610844	108445	8-18	8	596
				8+9+10+12+13+14+16+18		

125 CS SET OF COMBINATION WRENCHES, SHORT TYPE
IN CARTON BOX



Code 125/1 CS	EAN	Code 125/2 CS	EAN	Set		
603711	037110	603712	37127	8-19	8	810
				8+9+10+12+13+14+17+19		

125 MS SET OF COMBINATION WRENCHES, SHORT TYPE
ON METAL STAND

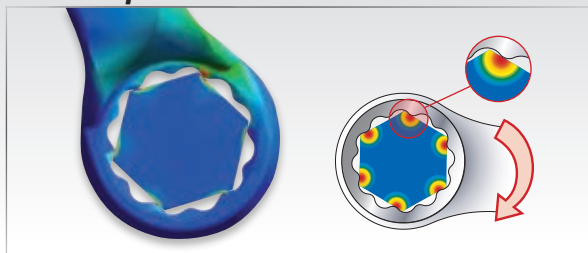


Code 125/1 MS	EAN	Code 125/2 MS	EAN	Set		
605539	055398	605540	055404	6-22	17	2270
				6+7+8+9+10+11+12+13+14+15+16+17+18+19+20+21+22		

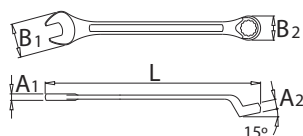
125 CT SET OF COMBINATION WRENCHES, SHORT TYPE IN BAG



Code 125/1 CT	EAN	Code 125/2 CT	EAN	Set		
615478	154787	615479	154794	8-22	8	950
				8,10,11,13,15,17,19,22, CT110		

"LIFE profile"

130 OFFSET COMBINATION WRENCH

material: chrome vanadium
chrome plated
polished head
jaw opening DIN 475 ISO 691
hardness DIN 899
rust prevention DIN EN 12540

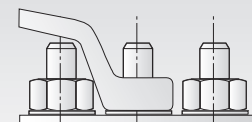


DIN 3113, ISO 7738

Code	EAN	mm	L	B2	B1	A2	A1	
610047	100470	6	113	11	14,5	5	3,5	16
610048	100487	7	126	12	16,5	5,8	3,8	21
610049	100494	8	132	14	18,5	6,9	3,8	28
610050	100500	9	145	15	21	7,3	4	33
610051	100517	10	157	17	23	7,5	4	42
610052	100524	11	170	18	24,5	8	4,5	47
610053	100531	12	176	20	26	8,5	4,7	58
610054	100548	13	189	20,5	29	8,5	5	70
610055	100555	14	202	22	31	9	5	84
610056	100562	15	209	23,5	33	9,5	5,5	104
610057	100579	16	221	25	35,5	10,5	6	135
610058	100586	17	228	26	37,5	10,5	6,5	149
610059	100593	18	247	27,5	39,5	11	7	170
610060	100609	19	259	29,5	41,5	12	7	189
610061	100616	20	265	31	43,5	12,5	7,5	210
610062	100623	21	275	32,5	45	13	8	240
610063	100630	22	286	34	46	13	8	272
610064	100647	23	296	36	50	13,5	8	300
610065	100654	24	311	37,5	52	14	8,5	350
610066	100661	25	318	39	54	14,5	8,5	377
610067	100678	26	329	40	55	15	8,5	420
610068	100685	27	340	41,5	56,5	15	9	460
610069	100692	28	351	43	58,5	15,5	9	520
612319	123196	29	363	45	60	16	9,5	570
610070	100708	30	373	46	62	16,5	10,5	630
610071	100715	32	394	49	67	16,5	11	680

130 CT SET OF OFFSET COMBINATION WRENCHES IN BAG


Code	EAN	Set		
130CT 615477	154770	8-22	8	1028
8+10+11+13+15+17+19+22, CT129				

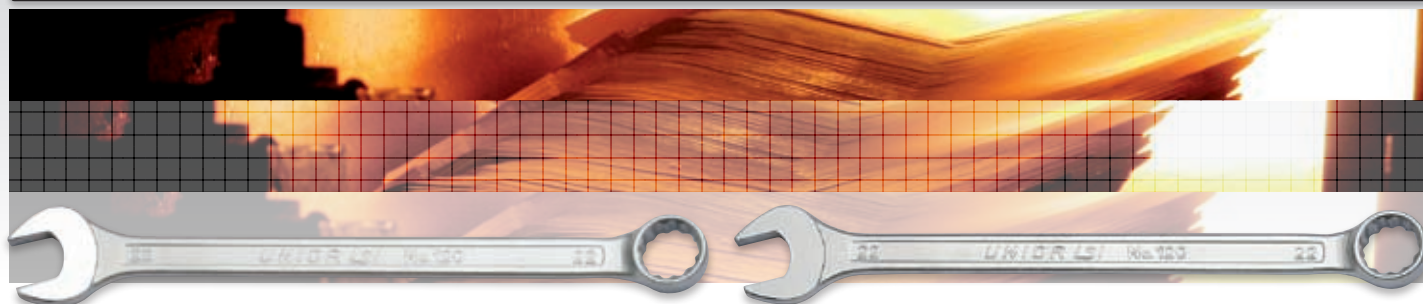

130 CB SET OF OFFSET COMBINATION WRENCHES IN CARTON BOX


Code	EAN	Set		
130CB 610204	102047	6-22	13	1200
6+7+8+9+10+11+12+13+14+15+17+19+22				

130 PH SET OF OFFSET COMBINATION WRENCHES ON PLASTIC HANGER

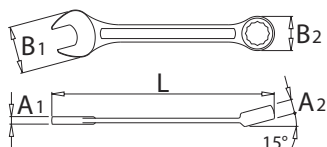

Code	EAN	Set		
130PH 611016	110165	8-19	8	744
8+9+10+12+13+14+17+19				
611017	110172	8-18	8	744
8+9+10+12+13+14+16+18				





120/1 COMBINATION WRENCHES, LONG TYPE

material: chrome vanadium
chrome plated
polished head
jaw opening DIN 475 ISO 691
hardness DIN 899
ring part with LIFE profile
rust prevention DIN EN 12540

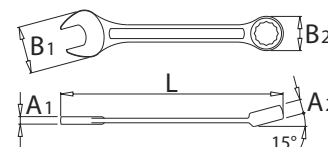


DIN 3113, ISO 7738

Code	EAN	mm	L	B2	B1	A2	A1	
600357	003573	6	119	10,4	14,5	5	3,5	16
600358	003580	7	129	11,5	16,5	5,8	3,9	21
600359	003597	8	141	13,2	18,5	6,9	3,9	28
600360	003603	9	152	14,3	21	7,3	4	33
600361	003610	10	163	15,9	23	7,5	4,2	42
600362	003627	11	176	17,8	24,5	8	4,5	47
600363	003634	12	186	19,4	26,5	8,5	4,7	58
600364	003641	13	199	20,4	29,5	8,5	5,2	70
600365	003658	14	210	22	31,5	9	5,2	84
600366	003665	15	222	23,2	33,5	9,5	5,7	104
600367	003672	16	234	24,8	36	10,5	6,2	128
600368	003689	17	245	26,1	38	10,5	6,7	149
600369	003696	18	257	27,7	40	1	7,2	172
600370	003702	19	268	29,3	42	12	7,2	189
600371	003719	20	280	31	44	12,5	7,7	226
600372	003726	21	291	32,6	45,5	13	8,2	246
600373	003733	22	303	34,1	46,5	13	8,2	272
600374	003740	23	314	35,7	50,5	13	8,2	312
600375	003757	24	330	37,3	52,5	14	8,5	353
600376	003764	25	337	39	54,5	14,5	8,5	385
600377	003771	26	349	40,1	56	15	8,5	421
600378	003788	27	360	41,6	57,5	15	9	462
600379	003795	28	373	43,2	59,5	15,5	9	516
600380	003801	29	383	44,9	61,5	16	9,5	567
600381	003818	30	395	46,5	63,5	16	10	600
600382	003825	32	416	49	68	16,5	10,5	757
607019	070193	35	500	53,5	78,8	20	13,6	1445
602601	026015	36	500	53,5	78,8	20	13,6	1370
605838	058382	38	515	58	82,8	20,5	14,1	1650
602602	026022	41	540	62	86,8	21	14,6	1970

120/2 COMBINATION WRENCHES, LONG TYPE

material: chrome vanadium
chrome plated
jaw opening DIN 475 ISO 691
hardness DIN 899
ring part with LIFE profile
rust prevention DIN EN 12540

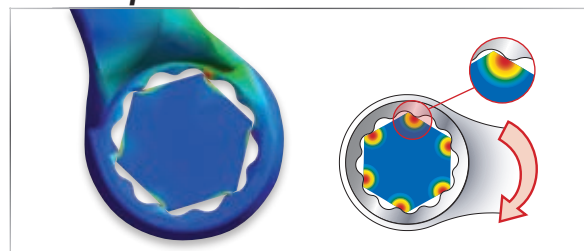


DIN 3113, ISO 7738

Code	EAN	mm	L	B2	B1	A2	A1	
616745	167459	3.2	105	8	14	4	3.2	14
616746	167466	4	105	8	14	4	3.2	14
616747	167473	4.5	105	8	14	4	3.2	14
616748	167480	5	119	10,4	14,5	5	3,5	14
616749	167497	5.5	119	10,4	14,5	5	3,5	14
600386	003863	6	119	10,4	14,5	5	3,5	16
600387	003870	7	129	11,5	16,5	5,8	3,9	21
600388	003887	8	141	13,2	18,5	6,9	3,9	28
600389	003894	9	152	14,3	21	7,3	4	33
600390	003900	10	163	15,9	23	7,5	4,2	42
600391	003917	11	176	17,8	24,5	8	4,5	47
600392	003924	12	186	19,4	26,5	8,5	4,7	58
600393	003931	13	199	20,4	29,5	8,5	5,2	70
600394	003948	14	210	22	31,5	9	5,2	84
600395	003955	15	222	23,2	33,5	9,5	5,7	104
600396	003962	16	234	24,8	36	10,5	6,2	128
600397	003979	17	245	26,1	38	10,5	6,7	149
600398	003986	18	257	27,7	40	1	7,2	172
600399	003993	19	268	29,3	42	12	7,2	189
600400	004006	20	280	31	44	12,5	7,7	226
600401	004013	21	291	32,6	45,5	13	8,2	246
600402	004020	22	303	34,1	46,5	13	8,2	272
600403	004037	23	314	35,7	50,5	13	8,2	312
600404	004044	24	330	37,3	52,5	14	8,5	353
600405	004051	25	337	39	54,5	14,5	8,5	385
600406	004068	26	349	40,1	56	15	8,5	421
600407	004075	27	360	41,6	57,5	15	9	462
600408	004082	28	373	43,2	59,5	15,5	9	516
600409	004099	29	383	44,9	61,5	16	9,5	567
600410	004105	30	395	46,5	63,5	16	10	600
600411	004112	32	416	49	68	16,5	10,5	757
607020	070209	35	500	53,5	78,8	20	13,6	1445
602689	026893	36	500	53,5	78,8	20	13,6	1370
605839	058399	38	515	58	82,8	20,5	14,1	1650
602690	026909	41	540	62	86,8	21	14,6	1970
616750	167503	46	560	69	94	23	16	2300
616751	167510	50	580	75	103	24	17	2700
616752	167527	55	600	83	112	26	18	3400
616753	167534	60	620	91	120	28	20	4100
616754	167541	65	640	100	130	30	21	5000
616755	167558	70	660	108	140	32	23	5850
616756	167565	75	680	116	150	34	24	7000
616757	167572	80	700	124	160	36	26	8500



"LIFE profil"





material: chrome vanadium
chrome plated
polished head
jaw opening DIN 475 ISO 691
hardness DIN 899
rust prevention DIN EN 12540
ring part with LIFE profile

DIN 3113, ISO 7738

120/1 CB SET OF COMBINATION WRENCHES, LONG TYPE IN CARTON BOX



Code 120/1 CB	EAN	Code 120/2 CB	EAN	Set		
600383	003832	600412	004129	6-22	17	1985
6+7+8+9+10+11+12+13+14+15+16+17+18+19+20+21+22						
600384	003849	600413	004136	6-32	26	6460
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	110196	603670	036700	8-22	10	1043
8+10+11+12+13+14+15+17+19+22						
611020	110202	603671	036717	10-30	12	2430
10+11+12+13+14+15+17+19+22+24+27+30						

120/1 CS SET OF COMBINATION WRENCHES, LONG TYPE IN CARTON BOX



Code 120/1 CS	EAN	Code 120/2 CS	EAN	Set		
603709	037097	603710	037103	8-19	8	970
8+9+10+12+13+14+17+19						

120/1 CT SET OF COMBINATION WRENCHES, LONG TYPE IN BAG



Code 120/1 CT	EAN	Code 120/2 CT	EAN	Set		
615475	154756	615476	154763	8-22	8	1005
8,10,11,13,15,17,19,22						

120/1 PH SET OF COMBINATION WRENCHES, LONG TYPE ON PLASTIC HANGER

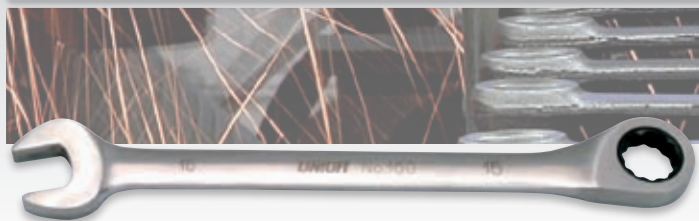


Code 120/1 PH	EAN	Code 120/2 PH	EAN	Set		
610837	108377	610839	108391	8-19	8	744
8+9+10+12+13+14+17+19						
610838	108384	610840	108407	8-18	8	744
8+9+10+12+13+14+16+18						

120/1 MS SET OF COMBINATION WRENCHES, LONG TYPE ON METAL STAND

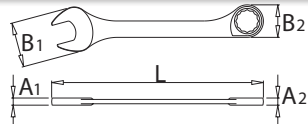


Code 120/1 MS	EAN	Code 120/2 MS	EAN	Set		
605537	055374	605538	055381	6-22	17	2820
6+7+8+9+10+11+12+13+14+15+16+17+18+19+20+21+22						



160 FORGED COMBINATION RATCHET WRENCHES

material: chrome vanadium
entirely hardened and tempered
72 - teeth, 5° working angle
the torque of the wrench is higher from prescribed



ISO 1711

Code	EAN	mm	L	B2	B1	A2	A1	kg
611609	116099	8	144	17,5	18	7,7	4,5	50
611610	116105	9	150	21	20,1	8	4,7	68
611611	116112	10	157	21	22,5	8	5,3	70
611612	116129	11	165	22,5	24,8	9	5,7	75
611613	116136	12	172	25	26,5	9	6	110
611614	116143	13	182	25	27,5	9	6,7	110
611615	116150	14	189	27,5	31	9	7,1	130
611616	116167	15	202	27,5	32,5	9	7,5	140
611617	116174	16	216	30,5	34	10,5	7,8	221
611618	116181	17	226	30,5	37	10,5	8,1	220
611619	116198	18	237	33,5	38,5	11,5	8,3	261
611620	116204	19	248	33,5	41	11,5	8,5	260
617753	177533	20	251	42	41,8	12,2	9,2	305
617754	177540	21	259	42	43,9	12,2	9,2	320
617755	177557	22	267	42	46	12,2	9,2	335
617756	177564	24	315	47	50,1	14,2	10,2	480



160 CB SET OF FORGED COMBINATION RATCHET WRENCHES IN CARTON BOX



Code	EAN	Set	kg
611957	119571	8-19 8+9+10+12+13+14+17+19	925

160 CT SET OF FORGED COMBINATION RATCHET WRENCHES IN BAG

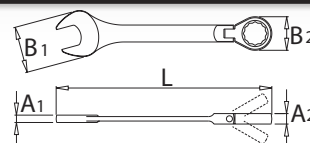


Code	EAN	Set	kg
615468	154688	8-19 8+10+12+13+17+19	907



161 FLEXIBLE FORGED COMBINATION RATCHET WRENCHES

material: chrome vanadium
entirely hardened and tempered
72 - teeth, 5° working angle
the torque of the wrench is higher from prescribed



ISO 1711

Code	EAN	mm	L	B2	B1	A2	A1	kg
611621	116211	8	143	17,5	18	9	5,5	50
611622	116228	9	152	21	20	10	6	68
611623	116235	10	158	21	23	10	6	70
611624	116242	11	164	22,5	24	10	6	75
611625	116259	12	171	25	26	10	6,5	110
611626	116266	13	177	25	29	10	6,5	110
611627	116273	14	187	27,5	30	10	7	130
611628	116280	15	195	27,5	32	10	7	140
611629	116297	16	211	30,5	34	13	8	221
611630	116303	17	220	30,5	35	13	8	220
611631	116310	18	235	33,5	37	13	9	261
611632	116327	19	244	33,5	39	13	9	260
617757	177571	20	251	42	41,8	12,2	9,2	290
617758	177588	21	259	42	43,9	12,2	9,2	305
617759	177595	22	267	42	46	12,2	9,2	320
617760	177601	24	285	47	50,1	14,2	10,2	450

161 CB SET OF FLEXIBLE FORGED COMBINATION RATCHET WRENCHES IN CARTON BOX



Code	EAN	Set	kg
611958	119588	8-19 8+9+10+12+13+14+17+19	1128

161 CT SET OF FLEXIBLE FORGED COMBINATION RATCHET WRENCHES IN BAG

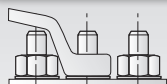


Code	EAN	Set	kg
615469	154695	8-19 8+10+12+13+17+19	913

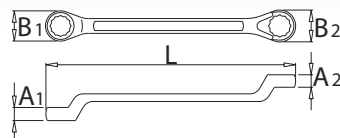
160 PH SET OF FORGED COMBINATION RATCHET WRENCHES ON PLASTIC HANGER



Code	EAN	Set	kg
617541	175416	8-19 8+9+10+12+13+14+17+19	965


179 SCAFFOLDING WRENCH

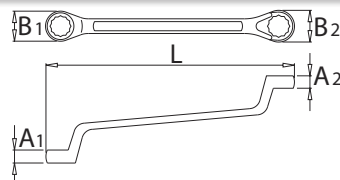
material: chrome vanadium
chrome plated
jaw opening DIN 475 ISO 691
hardness DIN 899
rust prevention DIN EN 12540



Code	EAN		L	B1	B2	A1	A2	
605042	050423	21 x 22	316	34	35	17	17	620


180 OFFSET RING WRENCHES

material: chrome vanadium
chrome plated
polished head
jaw opening DIN 475 ISO 691
hardness DIN 899
rust prevention DIN EN 12540
ring part with LIFE profile

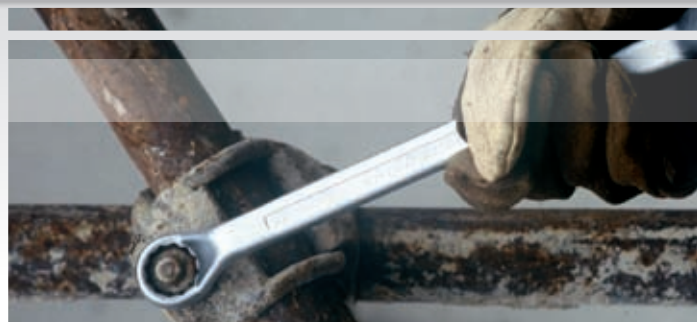


DIN 838, ISO 10104

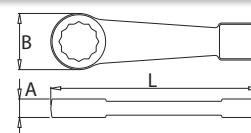
Code	EAN		L	B1	B2	A1	A2	
600509	005096	5 x 7	145	9,5	11,8	5,5	6	30
600510	005102	5,5 x 7	145	9,5	11,8	5,5	6	30
600511	005119	6 x 7	178	10,3	11,8	5,5	6,1	46
600512	005126	8 x 9	190	13,3	14,8	6,7	7,3	62
600513	005133	8 x 10	166	13,3	16	6	8	51
602663	026633	9 x 11	182	14,1	16,7	7	9	67
600514	005140	10 x 11	205	16,3	17,8	7,9	8,4	85
602997	029979	10 x 12	210	16,3	19,3	7,9	9	89
600515	005157	11 x 12	205	16,7	17,7	9	9	97
600516	005164	12 x 13	220	19,3	20,9	9	9,5	105
600517	005171	12 x 14	205	17,7	20,3	9	10	97
600518	005188	13 x 15	235	20,8	23,3	9,5	10,5	132
603843	038438	13 x 16	256	19,1	23,4	10,5	11	170
600519	005195	13 x 17	258	20,8	26,3	9,5	11,5	172
600520	005201	14 x 15	235	22,3	23,3	10	10,5	146
600521	005218	14 x 17	257	20,5	24,3	10	12	170
600522	005225	16 x 17	258	25,3	26,3	11	11,5	190
603123	031231	16 x 18	259	23,6	26,5	11	12	205
600523	005232	17 x 19	270	26,3	29,2	11,4	12,4	224
600524	005249	18 x 19	270	28,2	29,2	11,9	12,4	221
603844	038445	18 x 21	290	28,2	32,2	11,9	13,3	324
600525	005256	19 x 22	293	29,2	34,2	12,4	13,7	346
600526	005263	20 x 22	295	31,2	34,2	12,8	13,7	313
600527	005270	21 x 23	305	32,2	36,2	13,3	13,3	350
600528	005287	22 x 24	315	34,2	37,2	13,7	13,7	367
600529	005294	24 x 26	325	37,2	40,2	14,6	14,6	461
600530	005300	24 x 27	325	37,2	41,2	14,6	14,6	447
600531	005317	25 x 28	335	39,2	43,2	15	15	513
600532	005324	27 x 29	335	41,2	44,2	15,8	15,8	605
600533	005331	27 x 30	360	39,2	43,4	15	15	643
600534	005348	27 x 32	360	41,2	48,2	15,8	15,8	676
600535	005355	30 x 32	370	45,2	48,2	17	17	712
603845	038452	30 x 34	366	43,5	48	15	15	629
603124	031248	30 x 36	395	43,5	48,8	15	18	730
600536	005362	32 x 36	410	48,2	54,2	17,8	19,4	750
600537	005379	36 x 41	450	49	57	19	21	945
602664	026640	41 x 46	472	57	62	21	23	1400



605375	053752	1/4" x 5/16"	178	10,3	11,8	5,5	6,1	44
605376	053769	5/16" x 3/8"	190	13,3	14,8	6,7	7,3	51
605377	053776	3/8" x 7/16"	205	16,3	17,8	7,9	8,4	85
605378	053783	7/16" x 1/2"	205	16,7	17,7	9	9	91
605379	053790	1/2" x 9/16"	205	17,7	20,3	9	10	97
605380	053806	9/16" x 5/8"	235	22,3	23,3	10	10,5	134
605381	053813	5/8" x 11/16"	258	25,3	26,3	11	11,5	196
605382	053820	11/16" x 3/4"	270	26,3	29,3	11,4	12,4	247
605383	053837	13/16" x 7/8"	295	31,2	34,2	12,8	13,7	362
605384	053844	15/16" x 1"	325	37,2	40,2	14,6	15,4	487
605385	053851	1" x 1,1/8"	335	39,2	43,2	15	16,2	563
605386	053868	1,1/16" x 1,1/4"	360	41,2	48,2	15,8	17,8	693


184 SLOGGING RING WRENCHES

material: carbon tool steel
lacquered



DIN 7444

Code	EAN		L	B	A	
600659	006598	24	180	48,6	16	536
600660	006604	27	180	48,6	16	520
600661	006611	30	180	48,6	16	494
600662	006628	32	190	58,4	18	747
600663	006635	36	190	58,4	18	712
600664	006642	41	235	74	22	1414
600665	006659	46	235	74	22	1380
600666	006666	50	235	74	22	1264
600667	006673	55	275	97,6	27	2770
600668	006680	60	275	97,6	27	2700
600669	006697	65	275	97,6	27	2610
600670	006703	70	335	117	35	4800
602051	020518	75	335	118	35	4558
602052	020525	80	335	118	35	4390
602053	020532	85	435	170	45	14300
602054	020549	90	435	170	45	13700
602055	020556	95	435	170	45	13000
602056	020563	100	435	170	45	12800



610121	101217	1,1/16"	180	49	16	507
610122	101224	1,1/8"	180	49	16	500
610123	101231	1,3/16"	180	49	16	490
610124	101248	1,1/4"	190	58	18	743
610125	101255	1,5/16"	190	58	18	730
610126	101262	1,3/8"	190	58	18	710
610127	101279	1,7/16"	190	58	18	696
610128	101286	1,1/2"	235	74	22	1430
610129	101293	1,5/8"	235	74	22	1409
610130	101309	1,11/16"	235	74	22	1390
610131	101316	1,3/4"	235	74	22	1367
610132	101323	1,13/16"	235	74	22	1350
610133	101330	1,7/8"	235	74	22	1270
610134	101347	2"	235	74	22	1250
610135	101354	2,1/16"	275	98	27	2820
610136	101361	2,1/8"	275	98	27	2804
610137	101378	2,3/16"	275	98	27	2700
610138	101385	2,1/4"	275	98	27	2744
610139	101392	2,5/16"	275	98	27	2661
610140	101408	2,3/8"	275	98	27	2623
610141	101415	2,1/2"	275	98	27	2600
610142	101422	2,9/16"	275	98	27	2580
610143	101439	2,5/8"	335	117	35	4800
610144	101446	2,3/4"	335	117	35	4773
610145	101453	2,15/16"	335	118	35	4546
610146	101460	3"	335	118	35	4584
610147	101477	3,1/8"	335	118	35	4395



material: chrome vanadium
chrome plated
polished head
jaw opening DIN 475 ISO 691
hardness DIN 899
rust prevention DIN EN 12540
ring part with LIFE profile

DIN 838, ISO 10104

180 CB SET OF OFFSET RING WRENCHES IN CARTON BOX


Code 180CB	EAN	Set		
600541	005416	6-22	8	1305
		6x7+8x9+10x11+12x13+14x15+16x17+18x19+20x22		
603674	036748	8-27	10	2186
		6x7+8x9+10x11+12x13+14x15+16x17+18x19+20x22+21x23+24x27		
600542	005423	6-32	12	3375
		6x7+8x9+10x11+12x13+14x15+16x17+18x19+20x22+21x23+24x26+25x28+27x32		
605025	050256	6-32	12	3375
		6x7+8x9+10x11+12x13+14x15+16x17+18x19+20x22+21x23+24x26+25x28+30x32		
600543	005430	6-41	13	4375
		6x7+8x9+10x11+12x13+14x15+16x17+18x19+20x22+21x23+24x26+25x28+27x32+36x41		
605546	055466	1/4" - 3/4"	8	1000
		1/4x5/16+5/16x3/8+3/8x7/16+7/16x1/2+1/2x9/16+9/16x5/8+5/8x11/16+11/16x3/4		
605547	055473	1/4" - 1 1/4"	12	3160
		1/4x5/16+5/16x3/8+3/8x7/16+7/16x1/2+1/2x9/16+9/16x5/8+5/8x11/16+11/16x3/4+13/16x7/8+15/16x1+1"x1" 1/8+1" 1/16x1" 1/4		

180 CS SET OF OFFSET RING WRENCHES IN CARTON BOX


Code 180 CS	EAN	Set		
602845	028453	6-22	8	1390
		6x7+8x9+10x11+12x13+14x15+16x17+18x19+20x22		

180 CT SET OF RING WRENCHES IN BAG


Code 180 CS	EAN	Set		
615473	154732	6-22	8	1308
		6x7+8x9+10x11+12x13+14x15+16x17+18x19+20x22, CT129		

180 PH SET OF OFFSET RING WRENCHES ON PLASTIC HANGER


Code 180 PH	EAN	Set		
610845	108452	6-22	8	950
		6x7+8x9+10x11+12x13+14x15+16x17+18x19+20x22		

180 PB SET OF OFFSET RING WRENCHES IN PLASTIC WALLET

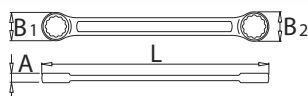

Code 180 PB	EAN	Set		
600540	005409	6-17	6	675
		6x7+8x9+10x11+12x13+14x15+16x17		
600544	005447	6-22	8	1235
		6x7+8x9+10x11+12x13+14x15+16x17+18x19+20x22		

180 MS SET OF OFFSET RING WRENCHES ON METAL STAND


Code 180 MS	EAN	Set		
605545	055459	6-22	12	4185
		6x7+8x9+10x11+12x13+14x15+16x17+18x19+20x22+21x23+24x26+25x28+27x32		


182 A FLAT RING WRENCHES

material: chrome vanadium
chrome plated
jaw opening DIN 475 ISO 691
hardness DIN 899
rust prevention DIN EN 12540



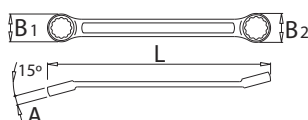
Code	EAN		L	B1	B2	A	
612004	120041	6 x 7	97	10	11,3	4,6	11
612005	120058	8 x 9	112	12,7	14	5,6	18
612006	120065	10 x 11	132	15,6	16,5	6,6	29
612007	120072	12 x 13	147	18	19	7,6	42
613223	132235	13 x 17	167	20,5	21,5	7,6	52
612008	120089	14 x 15	162	20,5	21,5	7,6	57
612009	120096	16 x 17	172	23,2	24,2	8,6	81
612010	120102	18 x 19	186	25,9	27,4	9,6	104
612011	120119	20 x 22	206	28,9	31,8	11	150
612012	120126	21 x 23	231	29,9	32,9	11,2	176
617634	176345	22 x 24	231	29,9	32,9	11,2	170
612013	120133	24 x 26	258	34,8	37,3	11,5	238
617670	176703	24 x 27	258	34,8	37,3	11,5	230
612014	120140	25 x 28	286	36	40,3	12,5	311
612015	120157	27 x 29	298	38,8	41,8	13	341
617635	176352	27 x 30	298	38,8	41,8	13	355
612016	120164	30 x 32	318	42,7	45,2	13,5	425
617636	176369	36 x 41	350	50	58	15	900

182A CB SET OF FLAT RING WRENCHES IN CARTON BOX


Code	EAN	Set		
182A CB				
612567	125671	6-22	8	502
6x7+8x9+10x11+12x13+14x15+16x17+18x19+20x22				
612568	125688	6-32	13	1502
6x7+8x9+10x11+12x13+14x15+16x17+18x19+20x22+21x23+24x26+25x28+27x29+30x32				


182 B FLAT RING WRENCH WITH OFFSET HEAD

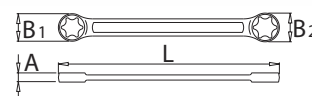
material: chrome vanadium
chrome plated
jaw opening DIN 475 ISO 691
hardness DIN 899
rust prevention DIN EN 12540
15° angle assure to screw the nut on difficult of acces places



Code	EAN		L	B1	B2	A	
612017	120171	6 x 7	97	10	11,3	4,6	11
612018	120188	8 x 9	112	12,7	14	5,6	18
612019	120195	10 x 11	132	15,6	16,5	6,6	29
612020	120201	12 x 13	147	18	19	7,6	42
612021	120218	14 x 15	162	20,5	21,5	7,6	57
612022	120225	16 x 17	172	23,2	24,2	8,6	81
612023	120232	18 x 19	186	25,9	27,4	9,6	104
612024	120249	20 x 22	206	28,9	31,8	11	150
612025	120256	21 x 23	231	29,9	32,9	11,2	176
617637	176376	22 x 24	231	29,9	32,9	11,2	170
612026	120263	24 x 26	258	34,8	37,3	11,5	238
617671	176710	24 x 27	258	34,8	37,3	11,5	230
612027	120270	25 x 28	286	36	40,3	12,5	311
612028	120287	27 x 29	298	38,8	41,8	13	341
617638	176383	27 x 30	298	38,8	41,8	13	335
612029	120294	30 x 32	318	42,7	45,2	13,5	425
617639	176390	36 x 41	350	50	58	15	900


182 TX FLAT RING WRENCHES WITH TX PROFILE

material: chrome vanadium
chrome plated
jaw opening DIN 475 ISO 691
hardness DIN 899
rust prevention DIN EN 12540



Code	EAN		L	B1	B2	A	
612030	120300	6 x 8	97	10	11,3	4,6	18
612031	120317	10 x 12	112	12,7	14	5,6	29
612032	120324	14 x 18	157	16,5	21	6,6	57
612033	120331	20 x 24	174	23	27,3	8,6	150


182B TX FLAT RING WRENCHES WITH OFFSET HEAD TX PROFILE

material: chrome vanadium
chrome plated
jaw opening DIN 475 ISO 691
hardness DIN 899
rust prevention DIN EN 12540
15° angle assure to screw the nut on difficult of acces places



Code	EAN		L	B1	B2	A	
612892	128924	6 x 8	97	10	11,3	4,6	18
612893	128931	10 x 12	112	12,7	14	5,6	29
612894	128948	14 x 18	137	16,5	21	6,6	57
612895	128955	20 x 24	174	23	27,3	8,6	150


182B CB SET OF FLAT RING WRENCHES WITH OFFSET HEAD IN CARTON BOX


Code	EAN	Set		
182B CB				
612569	125695	6-22	8	502
6x7+8x9+10x11+12x13+14x15+16x17+18x19+20x22				
612570	125701	6-32	13	1502
6x7+8x9+10x11+12x13+14x15+16x17+18x19+20x22+21x23+24x26+25x28+27x29+30x32				





183 OPEN RING WRENCHES

material: chrome vanadium

chrome plated

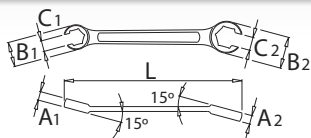
jaw opening DIN 475 ISO 691

hardness DIN 899

rust prevention DIN EN 12540

profile up to Dim.ension 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)

Code	EAN	mm	L	A1	A2	B1	B2	C1	C2	kg
612701	127019	8 x 10	145	7	8,5	18	20	6	7	48
612702	127026	10 x 11	152	8,5	9	20	22	7	8,5	55
612703	127033	11 x 13	165	9	11	22	26	8,5	10	70
612704	127040	12 x 14	178	10	12	24	28	9	11	95
12 angle										
615147	151472	16 x 18	196	12	12,5	30,5	33,5	13	14	165
612705	127057	17 x 19	210	13	14	32	35	14	15	165
612706	127064	19 x 22	233	14	16	35	41	15	17	240
612707	127071	22 x 24	252	16	17	41	45	17	18	312
612708	127088	24 x 27	265	17	17	45	48	18	20	342
612709	127095	30 x 32	285	21	23	50	52	22	24	630



183 CB SET OF OPEN RING WRENCHES WITH OFFSET HEAD IN CARTON BOX



Code 183 CB	EAN	Set	kg
612985	129853	8-22	6
		8x10+10x11+11x13+12x14+17x19+19x22	743
612986	129860	8-32	9
		8x10+10x11+11x13+12x14+17x19+19x22+22x24+24x27+30x32	1953

183 CT SET OF OPEN RING WRENCHES WITH OFFSET HEAD IN BAG



Code 183 CT	EAN	Set	kg
615467	154671	8-24	6
		8x10+11x13+12x14+16x18+17x19+22x24, CT 252	834



200 STARTER AND BLOCK WRENCHES

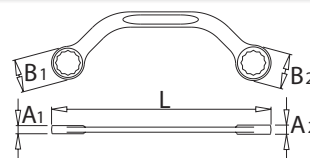
material: chrome vanadium

chrome plated

jaw opening DIN 475 ISO 691

hardness DIN 899

rust prevention DIN EN 12540



Code	EAN	mm	L	B1	B2	A1	A2	kg
600671	006710	11 x 13	150	16,5	19	7	8,5	58
600672	006727	13 x 17	185	19,2	24,2	8,7	10,3	104
600673	006734	14 x 17	185	20,5	24,2	8,7	10,3	110
600674	006741	15 x 16	185	21,6	23,6	8,7	10,3	106
600675	006758	15 x 17	185	21,6	24,2	8,7	10,3	106
600676	006765	19 x 22	230	27,2	31,8	10	11,5	175



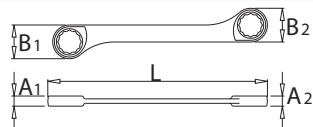
200 CB SET OF STARTER AND BLOCK WRENCHES IN CARTON BOX



Code 200 CB	EAN	Set	kg
600677	006772	11-22	5
		11x13,13x17,14x17,15x16,19x22	615

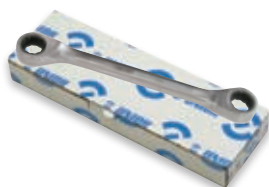

170 FORGED RATCHET RING WRENCHES

material: chrome vanadium
entirely hardened and tempered
72 - teeth, 5° working angle
the torque of the wrench is higher from prescribed



ISO 1711

Code	EAN	mm	L	B2	B1	A2	A1	kg
611647	116471	8 x 9	133	21	17,5	8	7,7	60
611648	116488	8 x 10	133	21	17,5	8	7,7	60
611649	116495	10 x 11	152	22,5	21	8	8	90
611650	116501	10 x 12	162	25	21	9	8	100
611651	116518	10 x 13	162	25	21	9	8	100
611652	116525	11 x 13	172	25	22,5	9	9	110
611653	116532	12 x 13	182	25	25	9	9	120
611654	116549	12 x 14	192	27,5	25	9	9	120
611655	116556	14 x 15	202	27,5	27,5	9	9	140
611656	116563	14 x 17	212	30,5	27,5	10,5	9	200
611657	116570	16 x 17	221	30,5	30,5	10,5	10,5	230
611658	116587	16 x 18	232	33,5	33,5	11,5	10,5	250
611659	116594	17 x 19	232	33,5	33,5	11,5	10,5	250
617761	177618	20 x 22	250	42	42	12,2	12,2	300
617762	177625	21 x 23	260	47	42	14,2	12,2	330
617763	177632	22 x 24	260	47	42	14,2	12,2	460


170 CB SET OF FORGED RATCHET RING WRENCHES IN CARTON BOX


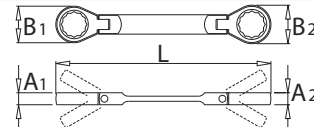
Code	EAN	Set	kg
170CB			
611959	119595	8-19	968
8x9+10x11+12x13+14x15+16x18+17x19			

170 CT SET OF FORGED RATCHET RING WRENCHES IN BAG


Code	EAN	Set	kg
170CT			
615470	154701	8-19	998
8x9+10x11+12x13+14x15+16x18+17x19			


171 FLEXIBLE FORGED RATCHET RING WRENCHES

material: chrome vanadium
entirely hardened and tempered
72 - teeth, 5° working angle
the torque of the wrench is higher from prescribed



ISO 1711

Code	EAN	mm	L	B2	B1	A2	A1	kg
611660	116600	8 x 9	160	21	17,5	10	9	110
611661	116617	8 x 10	160	21	17,5	10	9	110
611662	116624	10 x 11	175	22,5	21	10	10	132
611663	116631	10 x 12	189	25	21	10	10	150
611664	116648	10 x 13	189	25	21	10	10	150
611665	116655	11 x 13	192	25	22,5	10	10	151
611666	116662	12 x 13	204	25	25	10	10	190
611667	116679	12 x 14	207	27,5	25	10	10	190
611668	116686	14 x 15	211	27,5	27,5	10	10	190
611669	116693	14 x 17	225	30,5	27,5	13	10	260
611670	116709	16 x 17	240	30,5	30,5	13	13	300
611671	116716	16 x 18	243	33,5	30,5	13	13	330
611672	116723	17 x 19	243	33,5	30,5	13	13	330
617764	177649	20 x 22	271	42	42	12,2	12,2	300
617765	177656	21 x 23	277	47	42	14,2	12,2	330
617766	177663	22 x 24	277	47	42	14,2	12,2	460

171 CB SET OF FLEXIBLE FORGED RATCHET RING WRENCHES IN CARTON BOX


Code	EAN	Set	kg
171CB			
611960	119601	8-19	1358
8x9+10x11+12x13+14x15+16x18+17x19			

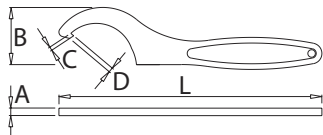
171 CT SET OF FLEXIBLE FORGED RATCHET RING WRENCHES IN BAG


Code	EAN	Set	kg
171CT			
615471	154718	8-19	1354
8x9+10x11+12x13+14x15+16x18+17x19			



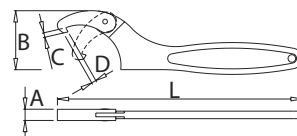
255 HOOK WRENCHES

material: chrome vanadium
chrome plated



255 F FLEXIBLE HOOK WRENCHES

material: chrome vanadium
chrome plated



Code	EAN	Ø	L	C	D	A	B	Weight
613050	130507	12-14	109	1,2	1,5	3	12	24
613051	130514	16-20	109	1,5	2	3	12	24
613052	130521	25-28	136	2	2,5	4	21	52
613053	130538	30-32	136	2	2,5	4	21	52
613054	130545	34-36	171	2,5	3	5	28,5	107
613055	130552	40-42	171	2,5	3	5	28,5	107
613056	130569	45-50	207	3	3,5	6	37	190
613057	130576	52-55	207	3	3,5	6	37	190
613058	130583	58-62	242	3,5	4	7	46	300
613059	130590	68-75	242	3,5	4	7	46	300
613060	130606	80-90	281	4	5	8	61	450
613061	130613	95-100	281	4	5	8	61	450
613062	130620	110-115	334	4	5	10	81	792
613063	130637	120-130	334	4	5	10	81	792



255CT SET OF HOOK WRENCHES IN BAG



Code	EAN
615156	151564

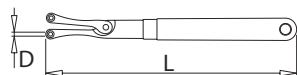
Ø30-32, Ø40-42, Ø45-50, Ø52-55, Ø58-62, Ø68-75, Ø80-90, Ø95-100, Ø110 - 115



253A ADJUSTABLE SPANNER

Pins: burnished; The adjustable spanner is intended for installation and removal of freewheel. The 2,3 mm 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.

material: chrome vanadium

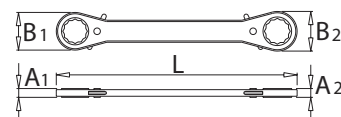


Code	EAN	D	D1	Weight
616294	162942	2,3	2,8	130

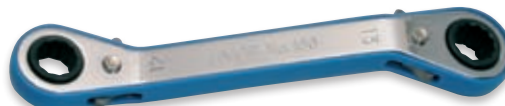
165 RATCHET RING WRENCHES

material: ratchet: chrome vanadium
body: sheet metal, finish: chrome plated
the casing on the wrenches is made from plastic
hardness of the material is in accordance to DIN standard
the gap are entirely hardened and tempered
minimum turn of angle for 20°
finish: chrome plated

DIN 3117, ISO 6787



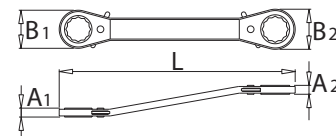
Code	EAN	mm	L	B1	B2	A1	A2	Weight
611633	116334	6 x 7	116,2	20,1	20,1	11,2	11,2	60,5
611634	116341	7 x 8	136,3	20,8	23,3	11	11	77
611635	116358	8 x 9	136,3	20,8	23,3	11	11	76,5
611636	116365	8 x 10	136,3	20,8	23,3	11	11	76
611637	116372	10 x 11	143,8	23,5	26,5	11,1	11,1	85
611638	116389	12 x 13	175	30,1	32,1	13	13,4	167
611639	116396	12 x 14	175	30,1	32,1	13	13,4	167



166 OFFSET RATCHET RING WRENCHES

material: ratchet: chrome vanadium
body: sheet metal, finish: chrome plated
the casing on the wrenches is made from plastic
hardness of the material is in accordance to DIN standard
the gap are entirely hardened and tempered
minimum turn of angle for 20°
finish: chrome plated

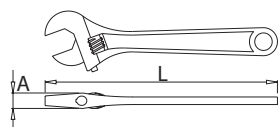
DIN 3117, ISO 6787



Code	EAN	mm	L	B1	B2	A1	A2	Weight
611640	116402	6 x 7	111	20	20	11,2	11	60,5
611641	116419	7 x 8	130	20,6	23	11	11,2	77
611642	116426	8 x 9	130	20,6	23	11	11,2	76,5
611643	116433	8 x 10	130	20,6	23	11	11,2	76
611644	116440	10 x 11	136	23,4	26,4	11	11	85
611645	116457	12 x 13	167	30,1	32	13	13,1	167
611646	116464	12 x 14	167	30,1	32	13	13,1	167


250 ADJUSTABLE WRENCHES

material: chrome vanadium
chrome plated
polished head
with scale

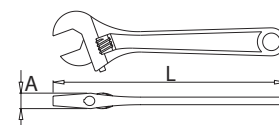


DIN 3117, ISO 6787

Code	EAN	Dim.	L	A	mm	kg
611917	119175	100	110	10,5	17	50
611918	119182	150	157	12,8	23	120
601016	010168	200	205	14,8	28	220
601017	010175	250	254	17,4	32	390
601018	010182	300	303,5	20	38	640
601019	010199	380	381	25,5	50	1250
605113	051130	450	458,5	27,3	60	2150
615148	151489	600	605	30,5	70	3560

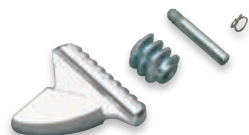
250A ADJUSTABLE WRENCHES

material: chrome vanadium
chrome plated
polished head
with scale
Double plastic dipped handles



DIN 3117, ISO 6787

Code	EAN	Dim.	L	A	mm	kg
617246	172460	200	205	14,8	28	220
617247	172477	250	254	17	32	390
617248	172484	300	304	20	38	640
617249	172491	380	381	25,5	50	1250

250.1 SPARE PARTS FOR ADJUSTABLE WRENCH 250, 250 A


DIN 3117, ISO 6787

Code	EAN	Dim.
611978	119786	100
611979	119793	150
602070	020709	200
602071	020716	250
602072	020723	300
602073	020730	380
602069	020693	450
615149	151496	600



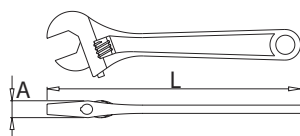
Metric scale for quick definition of screw and nut sizes



serrated adjustable screw


251 ADJUSTABLE WRENCHES

material: chrome vanadium
black finish
left turning
with scale



Code	EAN	Dim.	L	A	mm	kg
612870	128702	150	155,7	12,8	20	150
612871	128719	200	204,3	14,8	25	270
612872	128726	250	254	17,4	30	470
612873	128733	300	303,5	20	36	710



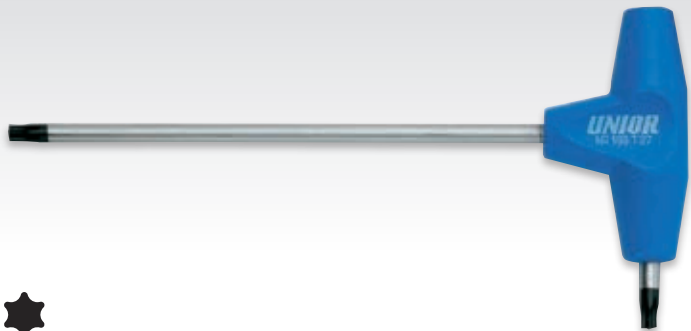
wrench endurable in both direction of turning



Adjustable jaw always inserted, does not fall out also when is maximum opened

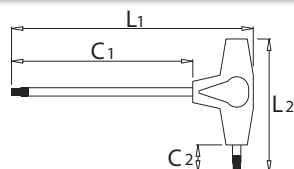


Thin form of the wrench enables operation in heavy accessible places



193 TX TX PROFILE SCREWDRIVERS WITH T - HANDLE

material: blade - chrome vanadium
handle - polypropylene



Code	EAN		L1	C1	C2	L2	
607171	071718	6	155	125	15	61	17
607172	071725	7	155	125	15	61	17
607173	071732	8	155	125	15	61	17
607174	071749	9	155	125	15	61	17
607175	071756	10	155	125	15	61	17
607176	071763	15	155	125	15	61	21
607177	071770	20	155	125	15	61	25
607178	071787	25	188	150	20	88	47
607179	071794	27	188	150	20	88	60
607180	071800	30	188	150	20	88	72
607181	071817	40	223	175	25	113	119
607182	071824	45	223	175	25	113	142



193 TX CS SET OF TX PROFILE SCREWDRIVERS WITH T HANDLE IN CARTON BOX



Code	EAN	Set		
193TX CS 607888	078885	TX10-45	7	530
10,15,20,25,30,40,45				

193 TX MS SET OF TX PROFILE SCREWDRIVERS WITH T HANDLE ON METAL STAND



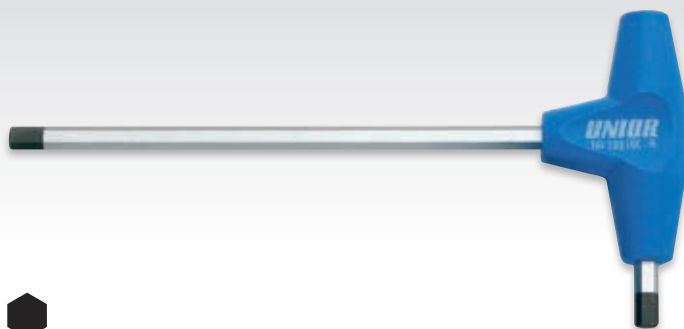
Code	EAN	Set		
193TX MS 607889	078892	TX6-45	10	1780
6,8,10,15,20,25,27,30,40,45				



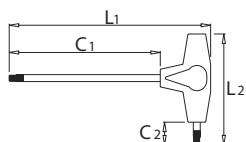
193 TX CB SET OF TX PROFILE SCREWDRIVERS WITH T HANDLE IN CARTON BOX



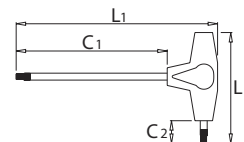
Code	EAN	Set		
193TX CB 608880	088808	TX6-45	10	624
6,8,10,15,20,25,27,30,40,45				


193 HX HEXAGONAL HEAD SCREWDRIVERS WITH T - HANDLE

material: blade - chrome vanadium
handle - polypropylene


193 HXS BALL - END HEXAGONAL SCREWDRIVERS WITH T - HANDLE

material: blade - chrome vanadium
handle - polypropylene



Code	EAN		L1	C1	C2	L2	
607161	071619	2.5	155	125	15	61	15
607162	071626	3	155	125	15	61	18
607163	071633	3.5	155	125	15	61	22
607164	071640	4	155	125	15	61	26
607165	071657	4.5	188	150	20	88	50
607166	071664	5	188	150	20	88	57
607167	071671	6	188	150	20	88	74
607168	071688	7	223	175	25	113	128
607169	071695	8	223	175	25	113	155
607170	071701	10	248	200	25	113	236

Code	EAN		L1	C1	C2	L2	
608276	082769	2.5	155	125	15	61	14
608277	082776	3	155	125	15	61	16
608278	082783	4	155	125	15	61	26
608279	082790	5	188	150	20	88	51
608280	082806	6	188	150	20	88	67
608281	082813	8	223	175	25	113	148
608282	082820	10	248	200	25	113	228

193 HX CS SET OF HEXAGONAL HEAD SCREWDRIVERS
IN CARTON BOX


Code	EAN	Set		
193 HXCS				
607890	078908	HX 2,5- HX10 2,5,3,4,5,6,8,10	7	595

193 HXS CS SET OF BALL - END HEXAGONAL SCREWDRIVERS
IN CARTON BOX

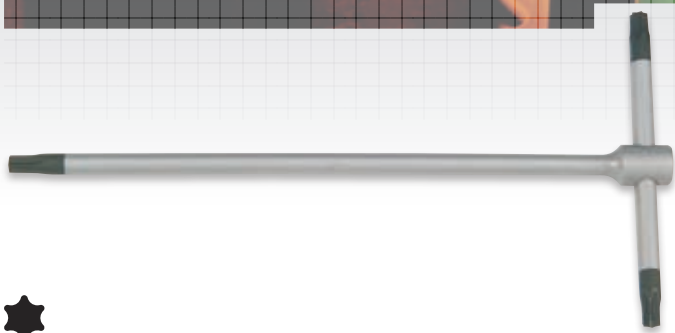

Code	EAN	Set		
193 HXS CS				
609337	093376	HX 2,5- HX10 2,5,3,4,5,6,8,10	7	595

193 HX MS SET OF HEXAGONAL HEAD SCREWDRIVERS
ON METAL STAND


Code	EAN	Set		
193 HX MS				
607891	078915	HX 2,5- HX10 2,5,3,3.5,4,4.5,5,6,7,8,10	10	1950

193 HX CB SET OF HEXAGONAL HEAD SCREWDRIVERS
IN CARTON BOX

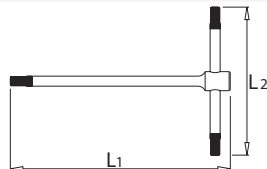

Code	EAN	Set		
193 HX CB				
608879	088792	HX 2,5- HX10 2,5,3,3.5,4,4.5,5,6,7,8,10	10	795



193 TX2

T-HANDLE WRENCHES WITH THREE TX PROFILE MALE ENDS

material: chrome vanadium
chrome plated



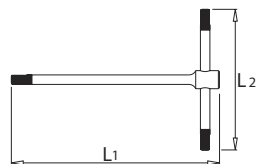
Code	EAN		L1	L2	
608214	082141	6	120	60	30
608215	082158	7	120	60	30
608216	082165	8	120	60	30
608217	082172	9	120	60	30
608218	082189	10	140	70	30
608219	082196	15	140	70	35
608220	082202	20	140	70	42
608221	082219	25	170	85	42
608222	082226	27	170	85	42
608223	082233	30	170	85	42
608224	082240	40	200	100	96
608225	082257	45	200	100	125
608226	082264	50	240	120	190
608227	082271	55	280	140	400
608228	082288	60	300	150	580



193 HX2

T-HANDLE WRENCHES WITH THREE HEXAGONAL MALE ENDS

material: chrome vanadium
chrome plated

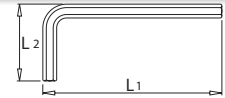


Code	EAN		L1	L2	
607978	079783	2	120	60	30
607979	079790	2.5	120	60	30
607980	079806	3	140	70	35
607981	079813	3.5	140	70	35
607982	079820	4	170	85	42
607983	079837	4.5	170	85	60
607984	079844	5	170	85	60
607985	079851	6	200	100	96
607986	079868	7	200	100	125
607987	079875	8	240	120	190
607988	079882	9	260	135	265
607989	079899	10	280	145	400
607990	079905	12	300	155	580
607991	079912	14	320	165	800

220 L

HEXAGON WRENCHES LONG TYPE

material: chrome vanadium
oil hardened
nickel plated



ISO 2936 L

Code	EAN		L1	L2	
608510	085104	1.5	91.5	15.5	2
608511	085111	2	102	18	4
608512	085128	2.5	114.5	20.5	6
608513	085135	3	129	23	9
608514	085142	4	144	29	19
608515	085159	5	165	33	33
608516	085166	6	186	38	54
608517	085173	7	197	41	80
608518	085180	8	208	44	105
608519	085197	10	234	50	185
608520	085203	12	262	57	295
608521	085210	14	294	70	460
608522	085227	17	337	80	750
608523	085234	19	379	89	1100

Code	EAN		L1	L2	
616975	169750	1/16"	92	16	2
616976	169767	5/64"	102	18	4
616977	169774	3/32"	114	20	6
616978	169781	1/8"	129	23	9
616979	169798	9/64"	140	26	13
616980	169804	5/32"	144	29	19
616981	169811	3/16"	165	33	32
616982	169828	7/32"	176	36	42
616983	169835	1/4"	186	38	56
616984	169842	5/16"	208	44	105
616985	169859	3/8"	234	50	183
616986	169866	7/16"	261	53	247
616987	169873	1/2"	293	63	360
616988	169880	9/16"	294	69	470
616989	169897	5/8"	336	76	665
616990	169903	3/4"	379	89	1100

220 L PB2

SET OF HEXAGON WRENCHES, LONG TYPE IN PLASTIC BOX



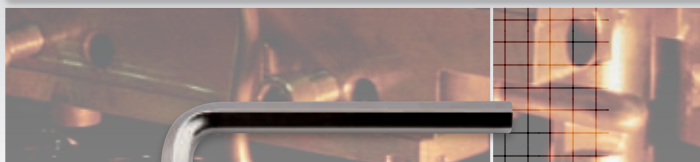
Code	EAN	Set		
220 L PB2				
610915	109152	2 - 10 3,4,5,6,8,10	8	400

220 L PH

SET OF HEXAGON WRENCHES, LONG TYPE ON PLASTIC CLIP



Code	EAN	Set		
220 L PH				
608533	085333	1,5-10 1.5,2,2.5,3,4,5,6,8,10	9	417
617080	170800	1,5-12 1.5,2,2.5,3,4,5,6,8,10,12	10	690
617082	170824	1/16"-3/8" 1/16,5/64,3/32,1/8,5/32,3/16,1/4,5/16,3/8	9	390


220 **HEXAGON WRENCHES**

material: chrome vanadium
oil hardened
nickel plated



ISO 2936

Code	EAN		L1	L2	
607823	078236	1.5	46.5	15.5	1
607824	078243	2	52	18	2
607825	078250	2.5	58.5	20.5	4
601036	010366	3	66	23	5
601037	010373	4	74	29	10
601038	010380	5	85	33	18
601040	010403	6	96	38	30
601041	010410	7	102	41	43
601042	010427	8	108	44	59
601044	010441	10	122	50	103
601045	010458	12	137	57	160
601046	010465	14	154	70	260
601047	010472	17	177	80	430
601048	010489	19	199	89	620
616966	169668	050	41	13	0.7
616967	169675	3/64"	41	13	0.6
611905	119052	1/16"	47	16	1
611906	119069	5/64"	52	18	2
611907	119076	3/32"	58	20	4
616968	169682	7/64"	66	23	5
611908	119083	1/8"	66	23	5
616969	169699	9/64"	72	26	8
611909	119090	5/32"	74	29	10
611910	119106	3/16"	85	33	18
611911	119113	7/32"	91	36	24
611912	119120	1/4"	96	38	30
611913	119137	5/16"	108	44	59
611914	119144	3/8"	122	50	103
611915	119151	7/16"	130	53	131
611916	119168	1/2"	145	63	215
616970	169705	9/16"	154	69	260
616971	169712	5/8"	176	76	400
616972	169729	3/4"	199	89	620
616973	169736	7/8"	222	102	950
616974	169743	1"	275	125	1740

220 PH **SET OF HEXAGON WRENCHES ON PLASTIC CLIP**

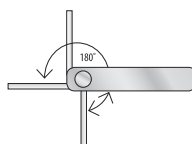

Code	EAN	Set		
607852	078526	1,5-10	9	248
		1.5,2,2.5,3,4,5,6,8,10		
617079	170794	1,5-12	10	410
		1.5,2,2.5,3,4,5,6,8,10,12		
617081	170817	5/64"-3/8"	9	235
		1/16,5/64,3/32,1/8,5/32,3/16,1/4,5/16,3/8		

220 PB **SET OF HEXAGON WRENCHES IN PLASTIC WALLET**


Code	EAN	Set		
220PB				
601057	010571	3 - 10	6	226
		3,4,5,6,8,10		
601059	010595	3 - 14	8	650
		3,4,5,6,8,10,12,14		
601061	010618	3 - 19	10	1685
		3,4,5,6,8,10,12,14,17,19		

220 PB1 **SET OF HEXAGON WRENCHES IN PLASTIC BOX**


Code	EAN	Set		
220PB1				
610914	109145	2-10	8	200
		2,2.5,3,4,5,6,8,10		
612161	121611	5/64-3/8"	8	200
		5/64,3/32,1/8,5/32,3/16,1/4,5/16,3/8		

220 MH **SET OF HEXAGON WRENCHES IN METAL FOLDING HOLDER**


Code	EAN	Set		
220				
610986	109862	2,5 - 10	7	372
		2.5,3,4,5,6,8,10		

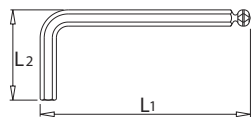
220 FH **SET OF HEXAGON WRENCHES IN FOLDING HOLDER**


Code	EAN	Set		
220FH				
617146	171463	2,5-10	7	293
		2.5,3,4,5,6,8,10		
617148	171487	3/32-5/16	6	177
		3/32,1/8,5/32,3/16,1/4,5/16		
617149	171494	3/32"-3/8"	7	290
		3/32,1/8,5/32,3/16,1/4,5/16,3/8		



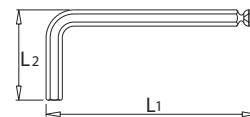
220 S BALL END HEXAGON WRENCHES

material: chrome vanadium
oil hardened
nickel plated



220 SL BALL END HEXAGON WRENCHES, LONG TYPE

material: chrome vanadium
oil hardened
nickel plated



Code	EAN		L1	L2	
607826	078267	1.5	46.5	15.5	1
607827	078274	2	52	18	2
607828	078281	2.5	58.5	20.5	4
607829	078298	3	66	23	5
607830	078304	4	74	29	10
607831	078311	5	85	33	18
607832	078328	6	96	38	30
607834	078342	8	108	44	59
607835	078359	10	122	50	103

Code	EAN		L1	L2	
608524	085241	1.5	91.5	15.5	2
608525	085258	2	102	18	4
608526	085265	2.5	114.5	20.5	6
608527	085272	3	129	23	9
608528	085289	4	144	29	19
608529	085296	5	165	33	33
608530	085302	6	186	38	54
608531	085319	8	208	44	105
608532	085326	10	234	50	148

220 S FH SET OF BALL END HEXAGON WRENCHES IN FOLDING HOLDER



Code	EAN	Set		
220S FH				
617147	171470	2,5-10	7	292
		2,5,3,4,5,6,8,10		

220 SL PH SET OF BALL END HEXAGON WRENCHES ON PLASTIC CLIP



Code	EAN	Set		
220 SL PH				
608534	085340	1,5-10	9	417
		1,5,2,2,5,3,4,5,6,8,10		

220 S PH SET OF BALL END HEXAGON WRENCHES ON PLASTIC CLIP



Code	EAN	Set		
220S				
607853	078533	1,5-10	9	254
		1,5,2,2,5,3,4,5,6,8,10		

220 SL PB2 SET OF BALL END HEXAGON WRENCHES, LONG TYPE IN PLASTIC BOX



Code	EAN	Set		
220 SL PB2				
610917	109176	2-10	8	400
		2,2,5,3,4,5,6,8,10		

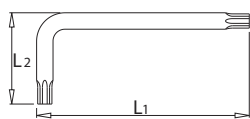
220 S PB1 SET OF BALL END HEXAGON WRENCHES IN PLASTIC BOX



Code	EAN	Set		
220S PB1				
610916	109169	2-10	8	200
		2,2,5,3,4,5,6,8,10		


220 TX WRENCHES WITH TX PROFILE

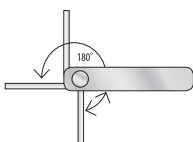
material: chrome vanadium
black finish



Code	EAN	★	L1	L2	📦
616296	162966	9	59	19	4
609173	091730	10	65	20	6
609174	091747	15	75.5	20.5	7
609175	091754	20	87	22	11
609176	091761	25	97.5	22.5	16
609177	091778	27	105.5	25.5	28
609178	091785	30	111	30	33
609179	091792	40	119	33	49

220 TX PH SET OF WRENCHES WITH TX PROFILE IN PLASTIC CLIP

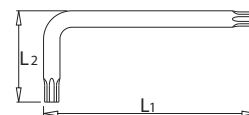

Code	EAN	Set	📦	📦
220TX				
613089	130897	9-40	8	157
9,10,15,20,25,27,30,40				

220 TX MH SET OF WRENCHES WITH TX PROFILE IN METAL FOLDING HOLDER


Code	EAN	Set	📦	📦
220TX				
610987	109879	9-40	8	200
9,10,15,20,25,27,30,40				


220 TXN WRENCHES WITH TX PROFILE

material: chrome vanadium
black finish



Code	EAN	★	L1	L2	📦
616991	169910	6	44.5	18.5	2
616992	169927	7	50.5	18.5	2
616993	169934	8	51	19	3
616994	169941	9	51	19	3
616995	169958	10	54	20	4
616996	169965	15	57.5	21.5	5
616997	169972	20	61	23	7
616998	169989	25	64.5	24.5	10
616999	169996	27	69.5	26.5	15
617000	170008	30	76	30	20
617001	170015	40	83	33	30
617002	170022	45	91	37	43
617003	170039	50	104	41	65
617004	170046	55	120	47	120
617005	170053	60	134	52	190

220 TXN FH SET OF WRENCHES WITH TX PROFILE IN FOLDING HOLDER


Code	EAN	Set	📦	📦
220 TXN				
617150	171500	TXN9-40	8	218
9,10,15,20,25,27,30,40				

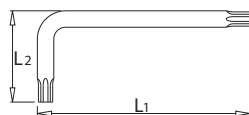
220 TXN PH SET OF WRENCHES WITH TX PROFILE IN PLASTIC CLIP


Code	EAN	Set	📦	📦
220 TXN PH				
617077	170770	TXN9-40	8	122
9,10,15,20,25,27,30,40				



220 TXP WRENCHES WITH TXP PROFILE

material: chrome vanadium
black finish



Code	EAN		L1	L2	
617006	170060	9	59	19	7
617007	170077	10	65	20	9
617008	170084	15	75.5	20.5	10
617009	170091	20	87	22	14
617010	170107	25	94.5	22.5	19
617011	170114	27	105.5	25.5	31
617012	170121	30	111	30	36
617013	170138	40	119	33	52



220 TXP PH SET OF WRENCHES WITH TXP PROFILE IN PLASTIC CLIP

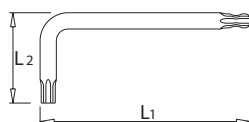


Code	EAN	Set		
220 TXP PH				
617078	170787	TX9-40	8	155
9,10,15,20,25,27,30,40				



220 TXS BALL END WRENCH WITH TX PROFILE

material: chrome vanadium
black finish

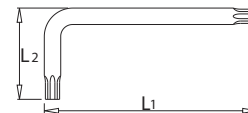


Code	EAN		L1	L2	
617083	170831	9	67	19	5
609180	091808	10	76	20	5
609181	091815	15	86.5	20.5	7
609182	091822	20	98	22	11
609183	091839	25	100.5	22.5	14
609184	091846	27	111.5	25.5	23
609185	091853	30	125	30	30
609186	091860	40	139	33	47
609187	091877	45	145	37	62
609188	091884	50	149	41	81
609189	091891	55	157	47	151



220 ZX WRENCHES WITH ZX PROFILE

material: chrome vanadium
oil hardened
nickel plated



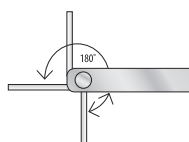
DIN 65253 (XZN)

Code	EAN		L1	L2	
610918	109183	5	75	30	13
610919	109190	6	86	34	23
610920	109206	8	98	40	41
610921	109213	10	110	46	82
610922	109220	12	124	52	125
610923	109237	14	139	59	191
610924	109244	16	156	72	305

220 TXS PH SET OF WRENCHES WITH TXS PROFILE IN PLASTIC CLIP



Code	EAN	Set		
220 TXS PH				
613090	130903	TX9-40	8	167
9,10,15,20,25,27,30,40				

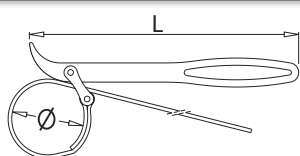


Code	EAN	Set	Set/Pcs	
220 ZXMH				
610988	109886	M5-12	5	200
M5,6,8,10,12				



205 STRAP WRENCH

material: chrome vanadium
chrome plated

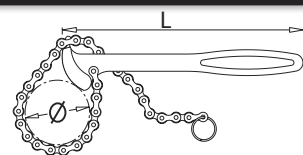


Code	EAN	L	Ø min	Ø max	
601024	010243	220	60	140	221



206 CHAIN WRENCH

material: chrome vanadium
chrome plated

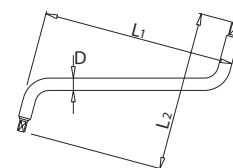


Code	EAN	L	Ø min	Ø max	
601025	010250	220	60	140	374



175 WRENCH FOR OIL DRAIN PLUGS

material: chrome vanadium
chrome plated



Code	EAN		L1	L2	D	
605112	051123	8 x 10	203	169	10	298