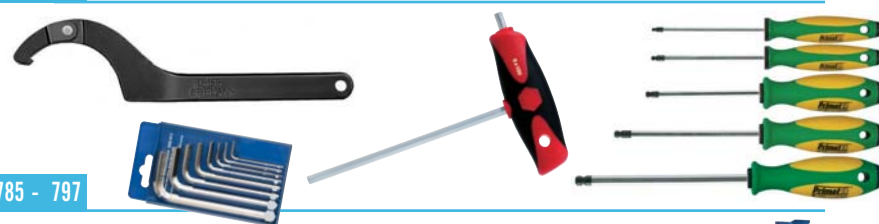


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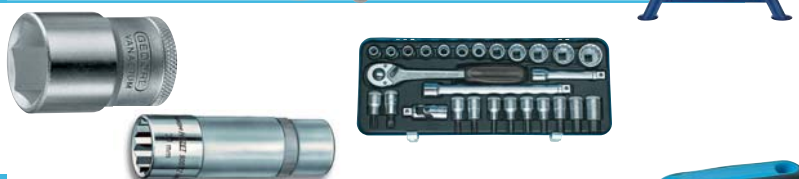
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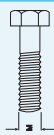
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Prestressing forces and tightening values

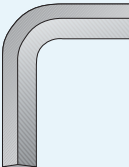
The prestressing forces (Pv) and suggested torques (MA) listed below are guideline values for metric coarse thread or metric fine thread according to DIN 13 and bearing face sizes according to DIN 912, 931, 934, 6912, 7984 and 7990 as well as coarse (UNC) and fine (UNF) inch threads. They give 90% utilisation of the screw yield stress. The figures are based on a coefficient of friction of 0.14 (new screw, without subsequent treatment, not lubricated). Please note: Use these table only if no manufacturer's information has been provided and this high utilisation of the bolt cannot cause damage to other parts of the construction such as flange, seals, etc. We urgently recommend individual calculation of the torque from the required prestressing force taking into account any different coefficient of friction values (see table below). Lubrication with MoS₂ e.g. requires a reduction in the tightening torque by approx. 20%

	Headless screws with metric coarse thread DIN 13 Sheet 13 μ tot. = 0.14											Factor x[m] for calculat- ing the tight- ening value M _A
	5.6		6.9		8.8		10.9		12.9			
	Prestressing force = P (F _m) Torque = M _A											
	P _V N	M _A Nm	P _V N	M _A Nm	P _V N	M _A Nm	P _V N	M _A Nm	P _V N	M _A Nm	SW	
M 2	378	0.162	731	0.314	863	0.373	1216	0.52	1461	0.628	4	0.00043
M 2.3	544	0.265	1049	0.51	1245	0.598	1755	0.843	2099	1.01	4.5	0.00048
M 2.6	701	0.373	1353	0.726	1598	0.863	2246	1.206	2697	1.451	5	0.00054
M 3	966	0.588	1863	1.128	2206	1.344	3109	1.883	3727	2.256	5.5	0.00061
M 3.5	1294	0.902	2501	1.736	2962	2.06	4168	2.893	5001	3.481	6	0.0007
M 4	1677	1.344	3226	2.599	3825	3.04	5374	4.315	6453	5.148	7	0.0008
M 5	2736	2.648	5286	5.099	6257	6.031	8806	8.483	10591	10.2	8 - 9	0.00096
M 6	3864	4.511	7453	8.728	8836	10.3	12405	14.71	14906	17.652	10	0.00118
M 7	5649	7.453	10885	14.22	12945	17.162	18191	24.517	21771	28.439	11 - 12	0.00131
M 8	7090	10.787	13680	21.575	16230	25.497	22751	35.304	27360	42.168	13 - 14	0.00155
M 10	11278	21.575	21771	42.168	25791	50.014	36284	70.608	43541	85.317	15 - 17	0.00195
M 12	16475	38.246	31773	73.55	37657	87.279	52956	122.6	63547	147.1	19 - 21	0.00232
M 14	22653	60.801	43639	116.7	51681	138.3	72667	194.2	87279	235.4	22 - 23	0.0027
M 16	31087	93.163	60016	178.5	71196	210.8	100027	299.1	120131	357.9	24 - 26	0.003
M 18	37853	127.5	72961	245.2	86494	289.3	121602	411.9	146118	490.3	27	0.00335
M 20	48641	180.45	93849	384.1	111305	411.9	156415	578.6	187796	696.3	30	0.0037
M 22	60801	245.16	117189	470.7	139254	559	195642	784.5	234378	941.4	32	0.004
M 24	70019	308.91	135331	598.2	160338	711	225552	1000	270662	1196	36	0.0044
M 27	92280	460.9	177990	887.5	210842	1049	296159	1481	355980	1775	41	0.00497
M 30	112286	622.72	215745	1206	255952	1422	359902	2010	432471	2403	46	0.0055
M 33	139744	848.3	269682	1628	319695	1932	449142	2716	539363	3266	50	0.00605
M 36	164261	1089	316753	2099	374612	2481	527595	3491	632526	4197	55	0.00664
M 39	197113	1412	380496	2716	451104	3226	633506	4531	760992	5443	60	0.00715
M 42	225552	1746	435413	3364	515827	3991	725688	5609	870826	6727	65	0.00771
M 45	264778	2177	509943	4207	604087	4992	850232	7012	1019886	8414	70	0.00836
M 48	297140	2638	573686	5080	679597	6021	956144	8473	1147372	10150	75	0.00895
M 52	356960	3393	688423	6541	815909	7747	1147372	10885	1377827	13092	80	0.00961
Headless screws with metric fine thread DIN 13 Sheet 13 μ total = 0.14												
M 8 X 1			15004	22.5	17750	26.63	25077	37.51	30008	45.01	13	0.0015
M 10 X 1.25			23438	43.13	27753	51.07	39030	71.82	46777	86.07	17	0.00184
M 12 x 1.25			35794	78.39	42463	92.99	59820	131	71588	156.78	19	0.00219
M 12 X 1.5			33637	74	39913	87.81	55898	122.98	67175	147.79	19	0.0022
M 14 X 1.5			48543	123.78	57369	146.29	80904	206.3	97085	247.57	22	0.00255
M 16 X 1.5			65214	186.51	77472	221.57	108853	311.31	130428	373.02	24	0.00286
M 18 X 1.5			85317	269.6	101008	319.19	142196	449.34	170635	539.21	27	0.00316
M 20 X 1.5			107873	381.87	127486	451.3	179461	635.29	215745	763.74	30	0.00354
M 22 X 1.5			133370	505.47	157886	598.39	231629	877.87	265759	1007.23	32	0.00379
M 24 X 2			151022	640.33	179461	760.91	252030	1068.61	303024	1284.82	36	0.00424
M 27 X 2			197113	954.03	233397	1129.64	328521	1590.04	394225	1908.05	41	0.00484
M 30 X 2			248107	1324.89	294198	1571.02	413839	2209.9	496214	2649.78	46	0.00534





Standard hexagon screwdrivers (Allen keys)

Width across flats		Test torques	Hexagon socket head screws (Allen screws)						
									
mm	DIN 911 Nm	ISO 4762 DIN 912	DIN 6912	DIN 7984	DIN 7991	ISO 4026, 4029 DIN 913, 916	ISO 4027 DIN 914	ISO 4028 DIN 915	
0.7	0.08					M 1.4	M 1.4	M 1.4	
						M 1.6	M 1.6	M 1.6	
						M 1.8	M 1.8	M 1.8	
0.9	0.18					M 2	M 2	M 2	
1.3	0.53	M 1.4				M 2.5	M 2.5	M 2.5	
1.5	0.82	M 1.6 - 2				M 3	M 3	M 3	
2	1.9	M 2.5		M 3	M 3	M 4	M 4	M 4	
2.5	3.8	M 3		M 4	M 4	M 5	M 5	M 5	
3	6.6	M 4	M 4	M 5	M 5	M 6	M 6	M 6	
4	16	M 5	M 5	M 6	M 6	M 8	M 8	M 8	
5	30	M 6	M 6	M 8	M 8	M 10	M 10	M 10	
6	52	M 8	M 8		M 10	M 12	M 12	M 12	
						M 14	M 14	M 14	
7	78			M 10					
8	120	M 10	M 10	M 12	M 12	M 16	M 16	M 16	
10	220	M 12	M 12	M 14	M 14	M 18	M 18	M 18	
					M 16	M 20	M 20	M 20	
12	370	M 14	M 14	M 16	M 18	M 22	M 22	M 22	
				M 18	M 20	M 24	M 24	M 24	
14	590	M 16	M 16	M 20	M 22				
		M 18	M 18	M 22	M 24				
17	1000	M 20	M 20	M 24					
		M 22	M 22						
19	1000	M 24	M 24						
		M 27	M 27						
22	1000	M 30	M 30						
24	1000	M 33	M 33						
27	1000	M 36	M 36						
32	1000	M 42							

Standard crosshead (Phillips) screwdrivers

PH P 2 Size		Phillips Pozidrive Test torques		Metric screws			Tapping screws			Wood screws		
				Countersink	Raised countersink	Raised	Raised	Countersink	Raised countersink	Raised countersink	Round head	Countersink
				DIN 965	DIN 966	DIN 7985	DIN 7981	DIN 7982	DIN 7983	DIN 7995	DIN 7996	DIN 7997
0	0	1	2	1.6	1.6	1.6				2	2	2
				2	2	1.8						
1	1	4	5	2.5	2.5	1.8	2.2	2.2	2.2	2.5	2.5	2.5
				3	3	3	2.9	2.9	2.9	3	3	3
2	2	10	14	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
				5	5	5	4.8	4.8	4.8	5	5	5
3	3	20	42	6	6	6	5.5	5.5	5.5	5.5	5.5	5.5
							6.3	6.3	6.3	7	7	7
4	4	30	60	8	8	8				8	8	8
				10	10	10						

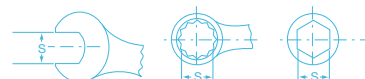


X “TOOLS” 



Width across flats tolerances

Extract from DIN 475 Part 2



Widths across flats (AF)		
Nominal size	s min.	max.
3.2*	3.22	3.28
3.5	3.52	3.60
4.0*	4.02	4.12
4.5	4.52	4.62
5.0*	5.02	5.12
5.5*	5.52	5.62
6.0*	6.03	6.15
7.0*	7.03	7.15
8.0*	8.03	8.15
9.0*	9.03	9.15
10.0*	10.04	10.19
11.0*	11.04	11.19
12.0*	12.04	12.24
13.0*	13.04	13.24
14.0*	14.05	14.27
15.0*	15.05	15.27
16.0*	16.05	16.27

Widths across flats (AF)		
Nominal size	s min.	max.
17.0*	17.0	17.30
18.0*	18.05	18.30
19.0*	19.06	19.36
20.0*	20.06	20.36
21.0*	21.06	21.36
22.0*	22.06	22.36
23.0*	23.06	23.36
24.0*	24.06	24.36
25.0*	25.06	25.36
26.0*	26.08	26.48
27.0*	27.08	27.48
28.0*	28.08	28.48
30.0*	30.08	30.48
32.0*	32.08	32.48
34.0*	34.10	34.60
36.0*	36.10	36.60
41.0*	41.10	41.60

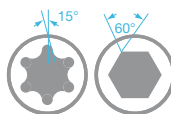
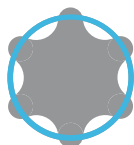
Widths across flats (AF)		
Nominal size	s min.	max.
46.0*	46.10	46.60
50.0*	50.10	50.60
55.0*	55.12	55.72
60.0*	60.12	60.72
65.0*	65.12	65.72
70.0*	70.12	70.72
75.0*	75.15	75.85
80.0*	80.15	80.75
85.0*	85.15	85.75
90.0*	90.15	90.85
95.0*	95.15	95.85
100.0*	100.15	100.85
105.0*	105.20	106.00
110.0*	110.20	111.00
115.0*	115.20	116.00
120.0*	120.20	121.00

* Widths across flats correspond to international standards

Width across flats 6, 9, 12, 14, 17, 19, 20, 22, 23, 25, 26, 28 and 32 are in brackets in ISO/DIS 691 and are denoted as being transition values

Torx tools

Using Torx screws with Torx tools offers the user substantial advantages:



1. The transfer of force over areas (instead of point transfer) ensures an increased torque.

2. The hexagonal Torx profile with rounded edges prevents stress points in the screw head and in the tool.

3. Slipping out and damage to the screw head is reduced by optimum fit and therefore ensures longer useful lives and tool lives.

4. Ideal use conditions, even in the most confined space conditions, due to small overall dimensions of the screws and tools.

Torx size table

Torx internal drive



Key size mm	A	Metric screws
T 5	1.42	up to M 1.8
T 6	1.67	M 2
T 7	1.99	M 2
T 8	2.31	M 2.5
T 9	2.50	M 3
T 10	2.74	M 3 - M 3.5
T 15	3.27	M 3.5 - M 4
T 20	3.86	M 4 - M 5
T 25	4.43	M 4.5 - M 5
T 27	4.99	M 4.5 - M 5 - M 6
T 30	5.52	M 6 - M 7
T 40	6.65	M 7 - M 8
T 45	7.82	M 8 - M 10
T 50	8.83	M 10
T 55	11.22	M 12
T 60	13.25	M 14

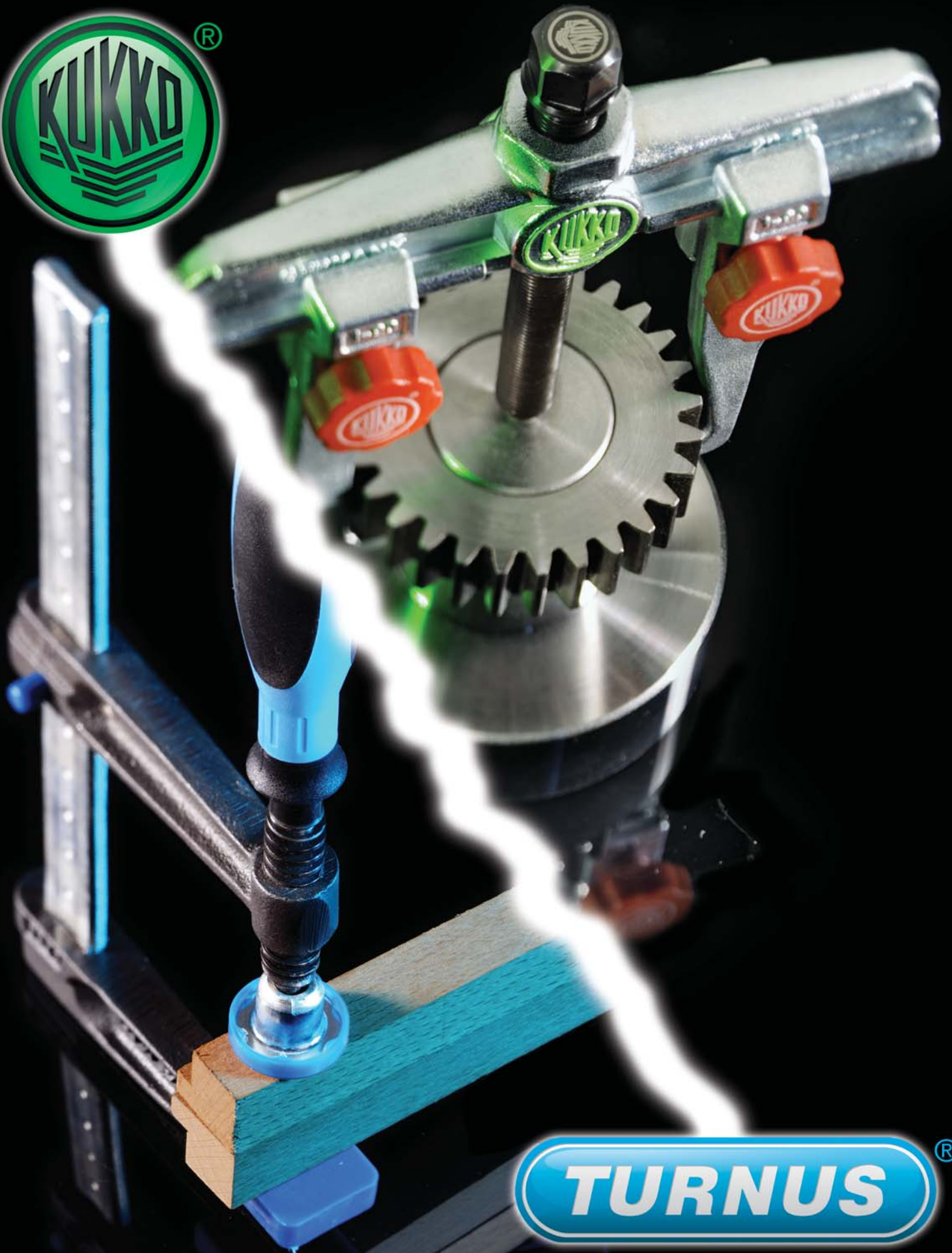
Torx external drive



Key size mm	A	Metric screws
E 4	3.86	M 3
E 5	4.75	M 4
E 6	5.74	M 4, M 5
E 7	6.20	M 6
E 8	7.52	M 5, M 6
E 10	9.42	M 6, M 8
E 12	11.70	M 8, M 10
E 14	12.90	M 10, M 12
E 16	14.46	M 12
E 18	16.70	M 12, M 14
E 20	18.39	M 14, M 16



Quality made in Germany



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Kleinbongartz & Kaiser oHG · Taubenstr. 5 · D-42857 Remscheid · Tel. +49 (0)2191/9339-0 · Fax +49 (0)2191/9339-100

ibem, Kazakhstan - 090301 Rep. info@kazakstan.kz
info@KUKKO.com · www.KUKKO.com
Phone: +7 71133 93074 E-Mail: 71133 93074

50 101 Double open-ended offset

DIN 3110

- 15° jaw offset from the shaft,
- **Chrome vanadium steel**, chrome-plated
- flat heads
- slender sure-grip shape

Primat



50 101...

50 115 Double open-ended spanner

DIN 3110, except *

- 15° jaw offset
- **Chrome vanadium steel**
- chrome-plated,
- flat heads
- fine-ground finish
- good grip, easy handle shank

GEDORE



50 115...

50 118 Double open-ended spanner

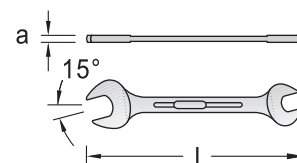
DIN 3110, ISO 10102

- 15° jaw offset
- **Chrome vanadium steel**
- slender heads
- chrome-plated
- shank with extra-stable double-T profile
- polished heads

HAZET



50 118...



Spanner size mm	50 101... Primat		50 115... GEDORE		50 118... HAZET		L mm	a mm
4 x 5	067		067*		067		100	3.4
5 x 5.5	-	-	085*		085		100	3.4
5.5 x 7	-	-	091		-	-	122	3.5
6 x 7	097		097		097		122	3.5
7 x 8	-	-	109		109		140	3.8
8 x 9	115		115		115		140	3.8
8 x 10	118		118		118		140	4
9 x 11	-	-	124*		-	-	157	4.5
10 x 11	127		127		127		157	4.5
10 x 13	133		133		133		172	5
11 x 13	139		139		-	-	172	5
12 x 13	145		145		145		172	5
12 x 14	148		148		148		172	5
13 x 14	154		154		154		178	5
13 x 15	157		157		157		188	5.5
13 x 17	160		160		160		205	6
14 x 15	163		163		163		188	5.5
14 x 17	169		169		-	-	205	6
16 x 17	178		178		178		205	6
16 x 18	181		181		180		205	6
17 x 19	187		187		187		222	6.5
18 x 19	193		193		193		222	6.5
18 x 21	-	-	195		-	-	236	7
19 x 22	199		199		198		238	7
19 x 24	202		202		-	-	250	7.5
20 x 22	205		205		205		238	7
21 x 23	-	-	208		208		243	7.1
21 x 24	-	-	209		-	-	250	7.5
22 x 24	214		214		214		250	7.5
24 x 26	223		223		223		266	8
24 x 27	226		226		226		266	8
24 x 30	229		229		-	-	280	8.5
27 x 30	241		241		241		302	9
27 x 32	244		244		244		302	9
30 x 32	253		253		253		302	9
30 x 34	256		256		-	-	302	9
30 x 36	259		259		-	-	328	9.4
32 x 36	262		262		262		328	9.4
34 x 36	-	-	264		264		328	9.4
36 x 41	271		271		271		360	10
41 x 46	277		277		277		400	10.7
46 x 50	280		280		280		450	11.6

50 102 Double open-ended spanner sets

DIN 3110, 15° jaw offset, **chrome vanadium steel**, chrome-plated, flat heads, slender, sure-grip shape, sets supplied in a carton



50 102...

50 116 Double open-ended spanner sets

DIN 3110, 15° jaw offset, **chrome vanadium steel**, chrome-plated, flat heads, fine-ground finish, with sure-grip shank, sets supplied in a carton



50 116...

50 120 Double open-ended spanner sets

DIN 3110, ISO 10102, **chrome vanadium steel**, slender heads, chrome-plated, shank with extra stable double-T profile, heads polished

50 120 080 in tool module,

50 120 100 - 120 packed in carton



50 120...

Contents Qty	50 102... 		50 116... 		Scope of supply mm	50 120... 		Scope of supply mm
8	080		080		6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22	080		6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 21 x 22
10	100		100		6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 24 x 27; 30 x 32	100		6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 21 x 22; 24 x 26; 27 x 32
12	120		120		6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 21 x 23; 24 x 27; 25 x 28; 30 x 32	120		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

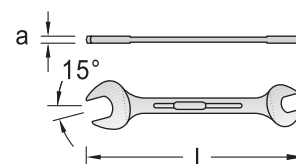
50 135 Double open-ended spanner, inch sizes

ISO 1085, 15° jaw offset, **chrome vanadium steel**, chrome-plated, flat heads, fine-ground finish, sure-grip shank, **with American inch AF sizes**



50 135...

Spanner size inch	50 135...		L mm	a mm
1/4 x 5/16	243		122	3.7
5/16 x 3/8	252		140	4
3/8 x 7/16	255		157	4.5
7/16 x 1/2	258		172	5
1/2 x 9/16	261		190	5.5
9/16 x 5/8	264		190	5.5
19/32 x 11/16	270		205	6
5/8 x 11/16	272		205	6
5/8 x 3/4	276		222	6.5
3/4 x 7/8	288		236	7
3/4 x 25/32	290		236	7
13/16 x 7/8	294		236	7
7/8 x 15/16	300		250	7.5
15/16 x 1	306		266	8
1 x 1 1/8	312		280	8.5
1 1/16 x 1 1/4	318		302	9



50 136 Double open-ended spanner set, inch sizes

15° jaw offset, **chrome vanadium steel**, chrome-plated, flat heads finely ground, sure grip shank, **with American inch AF sizes**, set supplied in carton



50 136...

Contents Qty	50 136...		Scope of supply inch
12	220		1/4 x 5/16; 3/8 x 7/16; 1/2 x 9/16; 19/32 x 11/16; 5/8 x 11/16; 5/8 x 3/4; 3/4 x 25/32; 13/16 x 7/8; 7/8 x 15/16; 15/16 x 1; 1 x 1 1/8; 1 1/16 x 1 1/4

50 145 Clamp-type tool holder

made of PVC for double open-ended, double-ended ring and combination spanners, tidy and rattle-free storage



50 145...

Size (H x B x D) mm	50 145...		for spanner sets
2.5 x 6.75 x 5.2	080		8-piece, 6 - 22 mm
3.0 x 6.6 x 9.0	120		12-piece, 6 - 32 mm

50 155 Double open-ended spanner set (small)

15° and 75° jaw offset, **chrome vanadium steel**, chrome-plated, with the same size at both ends and flat heads, in PVC bag

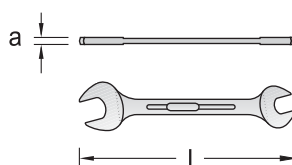


50 155...

Contents Qty	50 155...		Scope of supply mm
10	310		5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13

50 172 Double open-ended spanner DIN 895, 15° jaw

offset, **vanadium steel**, forged, phosphated, from 30 x 36 mm steel grey



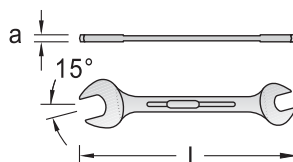
50 172...

Spanner size mm	50 172...		L mm	a mm
6 x 7	097		95	3.3
7 x 8	109		110	4
8 x 9	115		110	4
8 x 10	118		115	4.5
9 x 11	124		125	5
10 x 11	127		125	5
10 x 13	133		115	5.5
12 x 13	145		140	5.5
12 x 14	148		140	5.5
13 x 14	154		145	5.5
13 x 15	157		150	5.5
13 x 17	160		155	6
14 x 15	163		150	5.5
14 x 17	169		160	6
16 x 17	178		160	6
16 x 18	180		160	6.5
17 x 19	187		170	7
19 x 22	199		195	8
19 x 24	202		215	9

Spanner size mm	50 172...		L mm	a mm
20 x 22	205		195	8
21 x 23	208		220	9
22 x 24	214		220	9
24 x 27	226		245	10
24 x 30	229		265	11
25 x 28	232		240	10
27 x 30	241		265	11
27 x 32	244		270	12
30 x 32	253		275	12
30 x 36	259		305	13
32 x 36	262		305	13
36 x 41	271		345	14
41 x 46	277		390	15
46 x 50	280		420	16
50 x 55	283		440	17
55 x 60	286		480	18
65 x 70	292		580	20
75 x 80	298		665	22

50 177 Single open-ended spanner

DIN 894, 15° jaw offset, vanadium steel, forged, phosphated, from 41 mm steel grey



50 177...

Spanner size mm	50 177...	L mm	a mm
6	097	75	3.2
7	109	80	3.2
8	115	95	3.5
9	121	100	4
10	127	105	4.5
11	139	115	5
12	145	125	5
13	154	135	5.5
14	163	140	5.5
15	175	145	5.5
16	178	145	5.5
17	187	151	6
18	193	151	6
19	199	170	7
22	214	195	8
24	223	215	9
27	238	240	10
30	253	260	11
32	262	275	12

Spanner size mm	50 177...	L mm	a mm
36	271	305	13
38	274	305	13
41	277	340	14
46	280	380	15
50	283	410	16
55	286	440	17
60	289	477	18
65	292	510	19
70	295	575	20
75	298	610	21
80	301	650	22
85	304	695	23
90	307	695	25
95	310	845	25
100	313	850	26
105	316	1000	28
110	319	1000	28
115	322	1000	28
120	325	1000	30

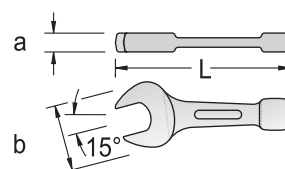
50 183 Open-ended slogging spanner

DIN 133, 15° jaw offset, special steel, forged, steel grey, for particularly difficult installations



50 183...

Spanner size mm	50 183...	L mm	a mm
30	253	190	17.0
32	262	195	17.5
34	267	195	17.5
36	271	210	18.5
41	277	225	19.5
46	280	255	20.0
50	283	280	21.5
55	286	310	24.5
60	289	320	24.5
65	292	350	28.0
70	295	370	30.0
75	298	400	31.5
80	301	405	34.5
85	304	405	34.5
90	307	455	39.0
95	310	455	39.0
100	313	500	47.0



50 194 Adjustable spanner

- Chrome vanadium steel
- with profiled, extra hard jaws
- prevent premature wear and rounding of the corners of screws and nuts
- ergonomic handle made of soft, slip-resistant plastic
- with scaling for presetting



50 194...

Ergonomic plastic handle -
soft and slip-resistant

Capacity, max. mm	50 194...	Overall length mm
28	001	200
32	003	250
38	005	300

50 195 Adjustable spanner

Chrome vanadium steel, drop forged, good grip, easy to handle, double matt chrome-plated



50 195...

Capacity, max. mm	50 195...		Overall length mm
20	006		160
24	008		205

50 196 Adjustable spanner

DIN 3117, 15° jaw offset, vanadium steel, phosphated, ground heads



50 196...

Capacity, max. mm	50 196...		Overall length mm
20	006		155
25	008		205
30	010		255
36	012		305
43	015		380
53	018		455

50 198 Locking adjustable wrench

chrome-plated, forged steel body, patented locking mechanism for improved grip, holding force 34 Nm.



50 198..

Capacity, max. mm	50 198...		Overall length mm
32	001		250

50 199 Ratcheting wrench

for quick tightening of fasteners, convenient working as the tool does not have to be reset or repositioned, all sizes within the given range are covered by one tool

STANLEY



50 199...

Capacity mm	50 199...		Overall length mm
8 - 14	001		195
13 - 19	003		230
17 - 24	005		270

50 200 Footprint wrench

- Capacity 10 - 32 mm
- Replaces a complete set of open-end spanners or adjustable spanners
- For all classical screwing work, metric and inch system
- Operates using the ratchet principle
- Ergonomic handle design, comfortable action, especially on large or stuck nuts
- Nuts are gripped without play, no more rounding wear of edges
- Secure grip of rounded, worn, rusty or painted nuts
- Self-locking from 17 mm, i.e. within the technically relevant range = 3/8" - 1 1/4"

KNIPEX



50 200...

Spanner size mm	50 200...		Overall length mm
10 - 32	001		250



50 205 Combination spanner

DIN 3113, Shape A

- With the same size at both ends
- Ring head with 15° offset
- **Chrome vanadium steel**, chrome-plated
- slender, stable shape



50 205...

50 210 Combination spanner

DIN 3113, Shape A

- **Chrome vanadium steel**
- With the same size at both ends
- 15° cranked ring end
- chrome-plated
- ring polished
- * **not standardised**



50 210...

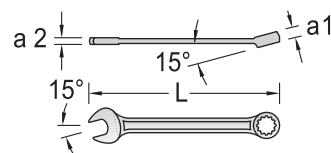
50 216 Combination spanner, short

DIN 3113, ISO 3318 / ISO 7738, Shape B short,

- **Chrome vanadium steel**
- ring spanner end 10°
- cranked
- chrome-plated
- polished heads



50 216...



Spanner size mm	50 205... 	50 210... 	50 216... 	L mm	a1 mm	a2 mm
5.5	-	-	091	92	3.6	3.6
6	097	097	097	100	5	3.4
7	109	109	109	110	5.5	3.6
8	115	115	115	120	6	3.8
9	121	121	121	130	6.5	4
10	127	127	127	140	7	4.2
11	139	139	139	150	7.5	4.5
12	145	145	145	160	8	4.8
13	154	154	154	170	8.5	5
14	163	163	163	180	9	5.2
15	175	175	175	190	9.5	5.5
16	178	178	178	200	10	5.8
17	187	187	187	210	10.5	6
18	193	193	193	220	11	6.2
19	199	199	199	230	11.5	6.5
20	205	205*	-	240	12	6.8
21	208	208	208	252	12.5	7
22	214	214	214	262	13	7.2
23	220	220*	-	270	13.5	7.6
24	223	223	223	282	14	8
25	232	232*	-	290	14.5	8.2
26	235	235*	-	302	15	8.2
27	238	238	238	310	15.5	8.5
28	247	247*	-	320	16	8.8
29	250	250*	-	330	16.5	8.8
30	253	253	-	340	17	9
32	262	262	-	380	18	9.5
36	271	271	-	460	20	10.5



50 212 Combination spanner sets

DIN 3113, Shape A, with the same size at both ends, ring end 15° cranked, **chrome vanadium steel**, chrome-plated, slender, stable form, sets supplied in carton

Primat


50 212...

50 214 Combination spanner sets

DIN 3113, Shape A, with the same size at both ends, ring end 15° cranked, **chrome vanadium steel**, chrome-plated, ring polished, handy, strong profiled shank, sets supplied in carton

GEDORE


50 214...

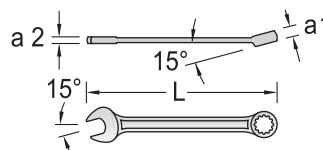
Contents	50 212...		50 214...		Scope of supply
Qty	Primat		GEDORE		mm
8	080		080		8 - 9 - 10 - 11 - 13 - 14 - 17 - 19
11	110		110		8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 17 - 19 - 22
12	120		120		10 - 11 - 12 - 13 - 14 - 17 - 19 - 22 - 24 - 27 - 30 - 32
12	122		-	-	6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 17 - 19 - 22
12	-	-	122		6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 17 - 19

50 223 Combination spanner, long

DIN 3113, **Shape A long**, **chrome vanadium steel**, with traction profile, ring end 15° cranked, chrome-plated, heads polished, shank with extra stable double-T profile

HAZET


50 223...



Spanner size mm	50 223...		L mm	a1 mm	a2 mm
5.5	091		105.0	6.0	4.0
6	097		105.0	6.0	4.0
7	109		118.5	6.6	4.0
8	115		130.0	7.0	4.5
9	121		143.0	8.0	4.5
10	127		154.5	8.0	5.0
11	139		168.5	8.4	5.5
12	145		180.5	9.0	5.5
13	154		193.0	10.0	6.3
14	163		204.5	10.0	6.5
15	175		218.0	11.0	7.0
16	178		230.5	11.4	7.0
17	187		242.5	12.4	7.5

Spanner size mm	50 223...		L mm	a1 mm	a2 mm
18	193		255.0	13.0	8.0
19	199		268.5	13.5	8.0
20	205		279.5	14.0	8.5
21	208		292.0	13.7	8.5
22	214		304.5	13.7	8.5
24	223		328.0	14.7	9.5
26	235		354.0	15.5	10.0
27	238		380.0	16.0	10.5
30	253		405.5	17.5	12.2
32	262		420.0	18.0	12.0
34	267		432.0	19.0	13.0
36	271		460.0	20.0	13.0
41	277		500.0	20.6	14.0

50 223 Combination spanner sets, long

Type as 50 223... in sets

...808 in tool module,

...812 - ...830 packed in carton

HAZET


Contents Qty	50 223...		Scope of supply mm
8	808		10 - 11 - 13 - 14 - 15 - 17 - 19 - 22
12	812		10 - 11 - 12 - 13 - 14 - 15 16 - 17 - 18 - 19 - 21 - 22
17	817		7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 16 - 17 - 18 - 19 - 21 - 22 - 24 - 27
30	830		5.5 - 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 - 34 - 36 - 41



50 223 808

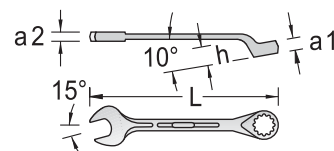
50 225 Combination spanner, long

DIN 3113, with the same size at both ends, shallow cranked ring end, slender, thin-walled and strong, **chrome vanadium steel**, chrome-plated, rings polished, * **not standardised**



50 225...

Spanner size mm	50 225... 		L mm	a1 mm	a2 mm
5	085		100	5	3.4
5.5	091		100	5	3.4
6	097		100	5	3.4
7	109		112	6	3.7
8	115		125	6.5	4
9	121		138	7.5	4.3
10	127		148	8.2	4.7
11	139		158	9	5
12	145		168	9.5	5.3
13	154		185	10.2	6
14	163		198	11	6.3
15	175		210	11.5	6.7
16	178		220	12	7
17	187		232	12.5	7.5
18	193		245	13.2	7.7
19	199		258	13.5	8
20	205		270	14.5	8.5
21	208		280	14.5	8.7
22	214		292	14.5	9
23	220*		305	15.5	9.3
24	223		318	15.5	9.5
25	232*		328	17.5	10
26	235*		340	17.5	10.3
27	238		352	17.5	10.5
28	247*		370	19.5	11
29	250*		370	19.5	11
30	253		390	19.5	11.2
32	262		412	20.5	11.8
33	265*		412	20.5	11.8
36	271		460	23.5	12.8
38	274*		460	24.2	13.2
41	277		520	25.5	14
46	280		550	27.5	15
50	283		580	29.5	16
55	286		620	30.5	17
60	289		660	32	18

**50 226 Combination spanner sets, long**

Type as 50 225...



50 226...

Contents Qty	50 226...		Scope of supply mm
8	080		10 - 12 - 13 - 14 - 17 - 19 - 22 - 24
17	170		6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22
20	200		8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 18 - 19 - 21 - 22 - 23 - 24 - 26 - 27 - 30 - 32



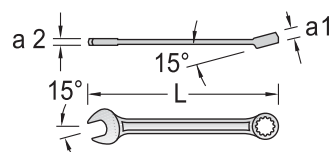
50 228 Combination spanner, extra long

similar to DIN 3113, with the same size at both ends, ring end 15° cranked, **chrome vanadium steel**, chrome-plated, ring polished, with profiled shank - handy and strong



50 228..

Spanner size mm	50 228...		L mm	a1 mm	a2 mm
10	127		190	8.5	5
11	139		200	9	5.5
12	145		210	10	5.5
13	154		225	10.5	6
14	163		235	10.8	6.5
15	175		250	11.2	7
17	187		280	12.2	8.5
19	199		310	14.2	9.5
22	214		350	16.2	11
24	223		400	18.2	12
27	238		450	20.2	13
30	253		480	21.2	14
32	262		500	22.2	14
36	271		550	24.2	15
41	277		600	26	16
46	280		640	28	17



50 229 Combination spanner set, extra long

Type as Prod. No. 50 228..., in carton



50 229..

Contents Qty	50 229...		Scope of supply mm
12	120		10 - 11 - 12 - 13 - 14 - 17 - 19 - 22 - 24 - 27 - 30 - 32

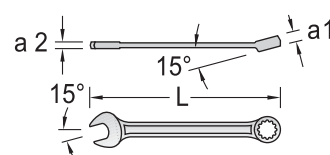
50 235 Combination spanner, inch sizes

DIN 1085, Shape B, with the same size at both ends, ring end 15° shallow cranked, **chrome vanadium steel**, chrome-plated, ring polished, thin-walled and strong, with **American inch sizes AF**



50 235...

Spanner size inch	50 235...		L mm	a1 mm
1/4	243		100	5
5/16	249		125	6.5
3/8	255		148	8.2
7/16	258		158	9
1/2	261		185	10.2
9/16	264		198	11
5/8	273		220	12
11/16	279		245	13.2
3/4	285		258	13.5
13/16	297		280	14.5
7/8	300		292	14.5
15/16	306		318	15.5
1	313		340	17.5
1 1/8	321		370	19.5
1 1/4	330		412	20.5
1 5/16	336		412	22.5
1 3/8	339		460	23.5
1 1/2	345		460	24.2



50 236 Combination spanner set, inch sizes

Type as No. 50 235..., in carton



50 236...

Contents Qty	50 236...		Scope of supply inch
14	240		5/16. 3/8. 7/16. 1/2. 9/16. 5/8. 11/16. 3/4. 13/16. 7/8. 15/16. 1. 1 1/8. 1 1/4



50 241 Ratchet combination spanner

Fine-toothed industrial ratchet spanner, without switchover knob, switchover from left/right by simply turning the spanner, hardened all-steel design, high torques according to DIN 899, even exceed DIN standard 3110 for standard combination spanners, with ratchet, narrow ring ends for improved working in confined spaces, 5° ratchet return movement only required



50 241...

50 242 Flexible head ratchet combination spanner

as 50 241...; however, with hinged, flexible end.

The swivelling flexible end can be moved through up to 180°, adjustable hinged joint tension.



50 242...

50 244 Flexible head ratchet combination spanner extra short

With 180° swivelling ratchet ring end for very confined places.



50 244...

Spanner size mm	50 241...		50 242... with hinged joint		Overall length mm	50 244... extra short, with hinged joint		Overall length mm	Ring end width mm
8	008		008		140	008		88	16.5
9	009		009		149	-	-	-	17.0
10	010		010		159	010		94	18.5
11	011		011		165	011		102	20.0
12	012		012		171	012		105	21.5
13	013		013		178	013		107	23.0
14	014		014		190	014		-	24.5
15	015		015		199	-	-	-	26.0
16	016		016		208	-	-	-	27.5
17	017		017		225	-	-	-	29.0
18	018		018		236	-	-	-	30.5
19	019		019		248	-	-	-	31.5
21	021		-	-	291	-	-	-	39.0
22	022		-	-	291	-	-	-	39.0
24	024		-	-	333	-	-	-	54.5

50 241 Ratchet combination spanner set

Type as 50 241, in practical rolled bag



50 241...

Contents Qty	50 241...		Scope of supply mm
6	060		8-10-12-13-17-19

50 243 Ratchet combination spanners, reversible

Type as 50 241..., ratchet head 15° cranked, drive direction left/right changed using reversing lever



15° cranked



50 243 008

with reversing lever

Spanner size mm	50 243...		Ring end width mm	Overall length mm
8	008		16.0	140
9	009		17.0	149
10	010		19.0	159
11	011		20.0	165
12	012		21.5	171
13	013		23.0	178
14	014		26.0	190
15	015		27.0	199
16	016		28.5	208
17	017		30.5	225
18	018		31.5	236
19	019		32.5	248

50 243 Ratchet combination spanner set, reversible

Type as 50 243...



Contents Qty	50 243...		Scope of supply mm
6	060		8-10-12-13-14-17
12	120		8-9-10-11-12-13-14-15-16-17-18-19

50 246 Largo ratchet combination spanner

made of chrome vanadium steel, chrome-plated

Spanner heads can be axially rotated by 90°, therefore more convenient to work with

- the hand exerts pressure on the flat side of the spanner, this means 500% more contact area than in conventional spanners
- 25% longer, for more leverage
- Ratchet return movement 5% only, for improved working in confined places
- strengthened spanner heads

axially rotated by 90°



50 246...

Spanner size mm	50 246...		Overall length mm
8	008		150
9	009		165
10	010		180
11	011		195
12	012		207
13	013		220

Spanner size mm	50 246...		Overall length mm
14	014		235
15	015		250
16	016		260
17	017		275
18	018		290
19	019		305

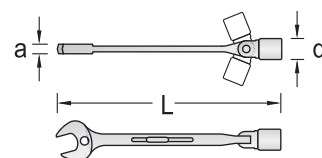
50 245 Combination flex-head socket/open end spanner

with free moving socket end, **chrome vanadium steel**, chrome-plated, heads fine ground, slender shape, with hole for tommy bar



50 245...

Spanner size mm	50 245...		L mm	a mm
10	127		179	4.7
11	139		189	5
12	145		198	5.3
13	154		208	6
14	163		218	6.3
15	175		231	6.7
17	187		255	7.5
19	199		283	8



50 255 Single fixed end basin spanner with socket end

cranked jaws, **chrome vanadium steel**, chrome-plated, forged, for working in difficult to access places, with holes for tommy bars, **for tommy bars see No. 50 535...**



50 255...

Spanner size mm	50 255...		Overall length mm	Head thickness mm	For tommy bar Ø mm
13	354		160	5.5	8
14	363		160	5.5	8
17	387		200	6	10
19	399		200	7	12
22	414		250	8	12
24	423		250	9	14
27	438		250	10	14

Spanner size mm	50 255...		Overall length mm	Head thickness mm	For tommy bar Ø mm
30	455		250	11	16
32	462		250	12	16
36	474		315	13	18
41	477		315	14	18
46	480		315	15	20
50	483		315	15	20



50 301 Double ring spanner

DIN 838

- Deep cranked heads
- **Chrome vanadium steel**, chrome-plated
- long slender shape with thin-walled rings



50 301...

50 305 Double ring spanners DIN 838 except *

- Deep cranked heads
- **Chrome vanadium steel**, chrome-plated
- Polished rings
- Slender shape with thin-walled rings



50 305...

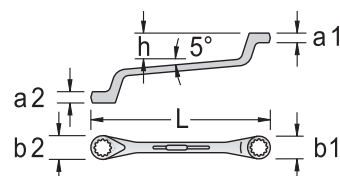
50 310 Double ring spanner

DIN 838, ISO 10104

- **Chrome vanadium steel**, chrome-plated
- Deep cranked
- Thin-walled heads
- Polished heads



50 310...



Spanner size mm	50 301... 		50 305... 		50 310... 		L mm	a2 mm	h mm
6 x 7	097		097		097		170	6.6	20.7
7 x 8	-	-	109		-	-	180	6.6	21.7
8 x 9	115		115		115		182	7.6	21.7
8 x 10	118		118		-	-	182	8.5	21.7
9 x 11	121		121		-	-	195	9.5	23.6
10 x 11	127		127		127		195	9.5	23.6
10 x 13	130		130		130		212	10.3	25.1
11 x 13	139		139		-	-	212	10.3	25.1
12 x 13	145		145		145		212	10.3	25.1
12 x 14	148		148		-	-	212	10.6	25.1
13 x 14	154		154		154		225	10.6	26.1
13 x 15	157		157		157		225	11.3	26.1
13 x 16	158		158		-	-	235	11.6	26.1
13 x 17	160		160		160		245	12.3	27.1
14 x 15	163		163		163		225	11.3	26.1
14 x 17	169		169		-	-	245	12.3	27.1
16 x 17	178		178		178		245	12.3	27.1
16 x 18	180		180		180		265	12.6	28.6
17 x 19	187		187		187		265	13.0	28.6
18 x 19	193		193		193		265	13.0	28.6
18 x 21	195		195		195		285	13.4	31.0
19 x 22	199		199		199		287	14.3	31.0
19 x 24	202		202		-	-	305	14.4	33.0
20 x 22	205		205		205		287	14.3	31.0
21 x 23	208		208		208		305	14.3	33.0
21 x 24	209		209		-	-	307	14.4	33.0
22 x 24	214		214		214		307	14.4	33.0
24 x 26	223		223		-	-	325	15.3	34.5
24 x 27	226		226		226		325	15.4	34.5
24 x 30	229		229		229		345	16.4	35.5
25 x 28	232		232		-	-	345	15.4	35.5
27 x 30	241		241		-	-	345	16.4	35.5
27 x 32	244		244		244		370	17.4	37.4
30 x 32	253		253		253		370	17.7	37.4
30 x 34	256		256		-	-	375	18.7	37.4
30 x 36	259		259		-	-	400	19.4	38.4
32 x 36	262		262		262		400	19.4	38.4
34 x 36	-	-	264		-	-	420	19.4	38.4
36 x 41	271		271		271		440	20.4	40.4
41 x 46	277		277		-	-	485	22.2	42.8
46 x 50	280		280		-	-	535	23.6	47.8
55 x 60	286		286*		-	-	610	25.6	54.2

50 302 Double ring spanner sets

Type as Prod. No. 50 301..., sets supplied in carton



50 302...

50 306 Double ring spanner sets

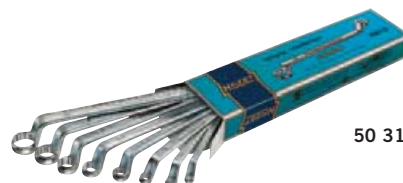
Type as Prod. No. 50 305..., sets supplied in carton



50 306...

50 311 Double ring spanner sets

Type as Prod. No. 50 310..., DIN 838, ISO 10104, **chrome vanadium steel**, deep cranked, thin-walled heads, chrome-plated, polished heads, packed in carton



50 311...

Contents Qty	50 302...		50 306...		Scope of supply mm	50 311...		Scope of supply mm
8	080		080		6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22	080		6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 21 x 22
10	100		100		6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 24 x 27; 30 x 32	100		6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 21 x 22; 24 x 27; 30 x 32
12	120		120		6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 21 x 23; 24 x 27; 25 x 28; 30 x 32	120		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

50 313 Double ring spanners, inch sizes

ISO 1085, deep cranked heads, **chrome vanadium steel**, chrome-plated, polished rings, slender shape with thin-walled rings, **with American inch sizes AF**



50 313...

Spanner size inch	50 313...		Overall length mm	Head thickness mm
1/4 x 5/16	243		170	6
3/8 x 7/16	255		195	8.2
1/2 x 9/16	261		225	10.2
5/8 x 3/4	276		265	11.8
3/4 x 7/8	288		285	13.2
7/8 x 15/16	300		305	14.5
15/16 x 1	306		325	15
1 x 1 1/8	312		345	15.2
1 1/16 x 1 1/4	318		370	16

50 316 Double ring spanner sets, inch sizes

Type as Prod. No. 50 313..., sets supplied in carton



50 316...

Contents Qty	50 316...		Scope of supply inch
12	200		1/4 x 5/16; 3/8 x 7/16; 1/2 x 9/16; 5/8 x 11/16 5/8 x 3/4; 3/4 x 25/32; 3/4 x 7/8; 13/16 x 7/8 7/8 x 15/16; 15/16 x 1; 1 x 1 1/8; 1 1/16 x 1 1/4

50 355 Double ring spanner

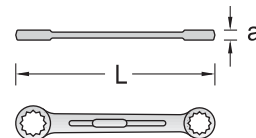
DIN 837, straight shape, **chrome vanadium steel**, chrome-plated, with thin-walled rings, polished rings, * **not standardised**



50 355...

50 358 Double ring spanner

DIN 837, ISO 10103, Shape B straight, **chrome vanadium steel**, chrome-plated, polished heads, ergonomically shaped - offset heads, shank with extra stable double-T profile



50 358..

Spanner size mm	50 355... GEDORE		L mm	a mm	50 358... HAZET		L mm	a mm
6 x 7	097		99	4.5	097		97	4.5
8 x 9	115		114	5.2	115		113	5.2
10 x 11	127		131	5.8	127		125	6
10 x 13	133		149	6.4	-	-	-	-
12 x 13	145		149	6.4	145		139	6.2
13 x 15	157*		161	7.2	154		152	7.5
13 x 17	160		167	7.8	160		161	7.5
14 x 15	163		161	7.2	163		154	7
14 x 17	169		169	7.8	-	-	-	-
16 x 17	178		169	7.8	178		170	7.5
16 x 18	-	-	-	-	170		177	8.5
17 x 19	187		186	8.5	187		185	8.5
18 x 19	193		186	8.5	193		188	8.5
19 x 22	199		209	9.4	-	-	-	-
20 x 22	205		209	9.4	205		208	9
21 x 23	208		233	10	-	-	-	-
22 x 24	214		233	10	214		234	10.5
24 x 26	-	-	-	-	223		254	11
24 x 27	226		260	10.8	226		267	11
25 x 28	232		289	11.6	-	-	-	-
27 x 32	244		320	12.6	-	-	-	-
30 x 32	253		320	12.6	253		324	13
30 x 36	259		357	13.8	-	-	-	-
36 x 41	271		391	15	262		393	14.9
41 x 46	277		431	16.2	-	-	-	-

50 356 Double ring spanner sets

Type as 50 355..., sets supplied in carton



50 356...

50 360 Double ring spanner sets

Type as 50 358..., sets supplied in carton



50 360...

Contents Qty	50 356... GEDORE		50 360... HAZET		Scope of supply mm
8	080		080		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 22*
12	120		120		6 x 7; 8 x 9; 10 x 11; 12 x 13; 14 x 15; 16 x 17; 18 x 19; 20 x 22; 21 x 23; 24 x 27; 25 x 28; 30 x 32; 24 x 26*; 27 x 32*

* HAZET sizes

50 368 Double ratchet ring spanners

Fine-toothed industrial ratchet spanner, without switchover knob, switchover from left/right by simply turning the spanner, hardened all-steel design, high torques according to DIN 899, even exceed DIN standard 3110 for standard combination spanners, narrow ring ends for improved working in confined spaces, 5° ratchet return movement only required

Primat


50 368...

Spanner size mm	50 368...		Head width mm	Overall length mm
8 x 10	008		17.0 / 20.0	128
8 x 9	009		18.6 / 20.0	128
10 x 11	010		20.0 / 21.6	150
12 x 13	012		22.6 / 24.7	170
14 x 15	014		25.9 / 27.5	187
16 x 18	016		28.2 / 31.6	210
17 x 19	017		30.0 / 32.7	232

50 371 Socket converter

with quick ejection, converts the ratchet ring spanner into a fine-toothed reversible ratchet for sockets with slender ratchet head.

Primat


50 371...

converts the ratchet spanner
into a reversible ratchet

mm	50 371...		inch	Head Ø mm	Overall length mm
10	010		1/4	22	20
13	013		3/8	26	25
19	019		1/2	34	30

50 373 Double ring spanner, open

DIN 3118, 15° offset heads, **chrome vanadium steel**, chrome-plated, polished rings, **for union nuts on screwed pipe couplings**

...318 - ...358 hexagonal

...369 - ...453 bi-hexagonal

ELORA


50 373 318 - ...358



50 373 369 - ...453

Spanner size mm	50 373...		Overall length mm	Head thickness mm
8 x 10	318		140	6.5
9 x 11	324		145	7.5
10 x 11	327		150	8
12 x 14	348		170	9.5
13 x 14	358		180	10.5
14 x 17	369		195	11.5
17 x 19	387		210	12.2
19 x 22	399		230	13.2
22 x 24	414		250	15.2
24 x 27	426		270	16.2
30 x 32	453		300	20.2

50 383 Double ring spanner, TORX®

straight shape, **chrome vanadium steel**, chrome-plated, polished heads, for external Torx screws



50 383...

Size	Head thickness mm	50 383...		Torx® mm	Length mm
E6 x E8	4.8	097		5.74 x 7.52	113
E10 x E12	6.8	127		9.42 x 11.17	140
E14 x E18	7.9	163		12.9 x 16.7	180
E20 x E24	11	205		18.45 x 22.16	224

50 393 Half-moon obstruction ring spanners

Chrome vanadium steel, chrome-plated, with thin-walled heads, polished rings



50 393...

Spanner size mm	50 393...		Overall length mm	Head thickness mm
11 x 13	239		150	7
14 x 16	266		185	8.7
14 x 17	269		185	8.7
15 x 17	275		185	8.7
19 x 22	299		230	10

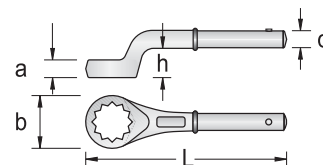
50 405 Cranked immersion heater spanner

Chrome vanadium steel, drop-forged, cranked, chrome-plated, heavy-duty design for high torques, polished ring, detachable tubular handles must be ordered separately. See Prod. No. 50 406...

Spanner size mm	50 405...		L mm	d Pipe size	a mm
24	223		180	0	16
27	238		190	0	17
30	253		200	0	18
32	262		235	1	19
36	271		245	1	20
41	277		265	1	22
46	280		280	2	24
50	283		290	2	25.5
55	286		300	2	28
60	289		345	3	30.5
65	292		355	3	33
70	295		365	3	35.5
75	298		375	3	38
80	301		385	3	40
85	304		385	3	40



50 405...

**50 406 Detachable tubular handles**

Steel tube, chrome-plated, for cranked immersion heater spanner
Prod. No. 50 405...

Pipe size	For spanner size mm	50 406...		Inner Ø mm	Length mm
0	24 - 30	007		19	460
1	32 - 41	010		22	610
2	46 - 55	013		25	760
3	60 - 90	016		30	860



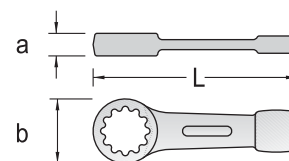
50 406...

50 425 Ring slogging spanner

DIN 7444, quenched and tempered steel, steel grey, with strong profiled shank for particularly heavy-duty work



50 425...



Spanner size mm	50 425...		L mm	a mm
24	223		160	15
27	238		180	15.5
30	253		190	16.5
32	262		195	16.5
34	271		195	16.5
36	277		205	19.5
41	280		225	20.5
46	283		240	22.5
50	286		250	23.5
55	289		270	25
60	292		270	26
65	295		290	29
70	298		320	32.5
75	301		325	34
80	304		345	35
85	307		360	37
90	310		400	41.5
95	313		400	41.5
100	316		400	41.5
105	319		435	47.5
110	322		435	47.5

50 502 Double-ended box spanner, tubular type

DIN 896, Shape B, seamless precision steel tube made of C35, hardened, chrome-plated



50 502...

Spanner size mm	50 502...		Length mm	For tommy bar Ø mm
6 x 7	097		110	5
8 x 9	115		110	6
8 x 10	118		120	6
9 x 10	121		120	6
10 x 11	127		120	6
10 x 13	130		140	8
11 x 13	139		140	8
12 x 13	145		140	8
12 x 14	148		140	8
13 x 14	154		140	8
13 x 15	157		140	8
13 x 17	160		150	10
14 x 15	163		140	8
14 x 17	167		150	10
16 x 17	178		150	10
17 x 19	187		160	12
18 x 19	193		160	12

Spanner size mm	50 502...		Length mm	For tommy bar Ø mm
19 x 22	199		170	12
19 x 24	202		170	12
20 x 22	205		170	12
21 x 23	208		170	14
22 x 24	214		190	14
24 x 26	223		190	14
24 x 27	226		190	14
25 x 28	232		200	16
27 x 30	241		200	16
27 x 32	244		200	16
30 x 32	253		200	16
30 x 36	259		220	18
32 x 36	262		220	18
36 x 41	271		220	18
41 x 46	277		240	20
46 x 50	280		240	20
50 x 55	283		240	20

50 503 Double-ended box spanner sets

Type as Prod. No. 50 502..., with one tommy bar per set, in a carton



50 503...

Contents Qty	50 503...		Scope of supply mm
8	080		6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, + 1 tommy bar
12	120		6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32, + 1 tommy bar



50 507 Double-ended box spanner, solid

Solid, forged, matt chrome-plated
 Chrome vanadium steel (31CrV3)
 Full electroplating (nickel and chrome plated)
 With hexagon shank



Solid type



50 507...

Spanner size mm	50 507...		Shank AF mm
6 x 7	097		8
8 x 9	115		9
10 x 11	127		11
12 x 13	145		13
14 x 15	163		14

Spanner size mm	50 507...		Shank AF mm
17 x 19	187		18
20 x 22	205		20
24 x 27	226		24
30 x 32	253		30

50 507 Double-ended box spanner set, solid

Type as above



Solid type

Contents Qty	50 507...		Scope of supply mm
8	408		6 x 7. 8 x 9. 10 x 11. 12 x 13. 14 x 15. 16 x 17. 18 x 19. 20 x 22



50 507 408

50 518 Double-ended flexible socket spanner

with thin-walled bi-hexagonal heads, extra large swivel range, **chrome vanadium steel**, chrome-plated, fine ground heads



50 518...

Socket size mm	50 518...		Length mm	Head Ø mm	Head Ø mm
8 x 9	315		200	13	14.2
10 x 11	327		205	15.5	16.7
12 x 13	345		240	18	19.2
14 x 15	363		245	19.2	21.7
16 x 17	378		280	22.9	24.2
18 x 19	393		315	25.5	26.7
20 x 22	405		350	28	30.5

50 525 Stepped tommy bars

fully hardened, **chrome vanadium steel**, chrome-plated, for double-ended box spanner



50 525...

Size	50 525...		Length mm	Ø-1 mm	Ø-2 mm	Ø-3 mm
1	010		190	-	5	6
2	013		240	-	8	10
3	016		330	11.7	13.7	16

50 535 Tommy bars

DIN 900 A, chrome vanadium steel, chrome-plated, suitable for double-ended box spanner to **DIN 896 B**.



50 535...

Tommy bar Ø mm	50 535...		Length mm
5	085		125
6	097		160
8	115		180
10	127		200
12	145		250
14	163		320
16	178		400
18	193		500
20	205		630



50 560 Double-ended 90° angled socket spanner, hexagon

angled, with hexagon heads, both ends, **chrome vanadium steel**, chrome-plated, a **tommy bar** can be pushed through

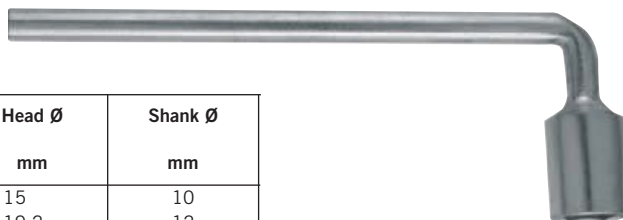


50 560...

Socket size mm	50 560...		Length mm	Length mm
6	097		102	15
7	109		106	17
8	115		114	19
9	121		122	20
10	127		129	23
11	139		136	25
12	145		144	28
13	154		152	30
14	163		160	32
15	175		169	34
16	178		178	37
17	187		187	39
18	193		195	40
19	199		204	41
21	208		221	46
22	214		230	48
24	223		250	54
27	238		280	58
30	253		310	64

50 565 Single-ended 90° angled socket spanner, hexagon

angled, **chrome vanadium steel**, chrome-plated, with solid **hexagon head** and large head depth for protruding bolts

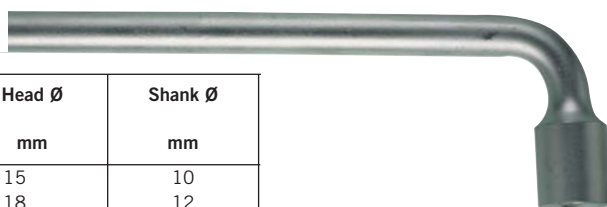


50 565...

Socket size mm	50 565...		Length x Height mm	Head Ø mm	Shank Ø mm
10	127		160 x 32	15	10
13	154		200 x 41	19.2	12
14	163		215 x 44	20.5	12
17	187		250 x 49	24.8	14
19	199		280 x 56	27.5	16
22	214		315 x 64	32	18
24	223		345 x 71	34.5	20
27	238		380 x 74	38.5	20
30	253		420 x 84	42	22
32	262		450 x 87	45	22
36	271		500 x 97	50	24
41	277		560 x 106	56.5	26
46	280		630 x 114	62.5	28

50 575 Single-ended 90° angled socket spanner, square socket

angled, **chrome vanadium steel**, chrome-plated, with solid **square head** and large head depth for protruding bolts



50 575...

Socket size mm	50 575...		Length x Height mm	Head Ø mm	Shank Ø mm
8	115		150 x 32	15	10
10	127		175 x 37.5	18	12
12	145		215 x 44	22	14
13	154		230 x 47	23.5	14
14	163		240 x 49	25	14
17	187		280 x 58	30	18

50 576 Single-ended cranked socket spanner, square socket

DIN 248, special steel, hardened and tempered with black finish

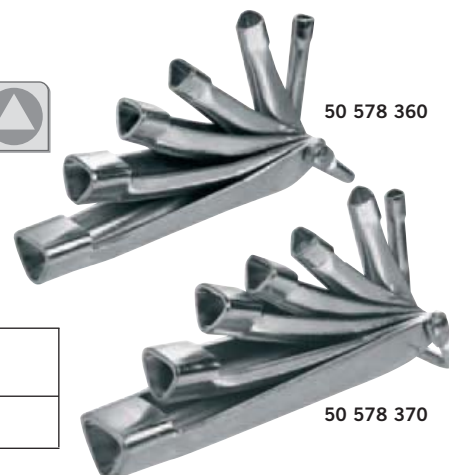


50 576..

Socket size mm	50 576...		Length mm	Head Ø mm
8	115		160	17.0
10	127		195	21.0
12	145		235	24.0
14	163		270	27.0
17	187		315	31.0
19	199		345	35.0
22	214		385	39.0

50 578 Socket spanner set, triangular

for all Ex. and Sch. units with triangle head screws, hinge jointed, size 198 x 44 mm



50 578 360

50 578 370

Quantity	50 578...		Scope of supply
6	360		M4 / M5 / M6 / M8 / M10 / M12
7	370		M4 / M5 / M6 / M8 / M10 / M12 / M16

50 580 Socket spanner, triangular

DIN 22417 made of tubular steel with sliding bar handle for triangular head screws, M12 as well as for locking and unlocking Euro barrier posts/bollards



50 580...

Size	50 580...		Length mm	Head height F mm	Sliding bar handle mm
M 4	064		90	6.8	6 x 50
M 5	085		100	8.3	6 x 63
M 6	097		115	10.05	6 x 80
M 8	115		125	12.05	8 x 100
M 10	127		140	15.05	8 x 125
M 12	145		160	16.55	10 x 160
M 16	178		180	20.55	12 x 200
M 20	205		200	21.50	12 x 250

50 582 Spanner for barrier posts/bollards

made of malleable cast iron, especially for the fire service and emergency services vehicles



50 582...

Length mm	50 582...	
300	003	

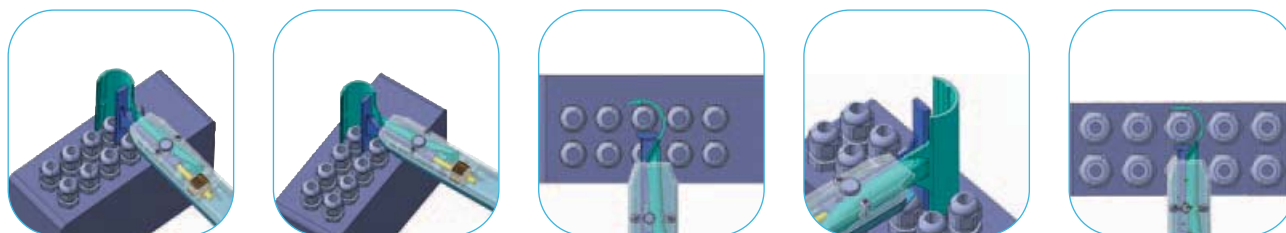
50 585 Connection tool for cable connections

Weidmüller

- The FleCaFix tool range consists of 2 fastening tools for cable glands and lock nuts with various sizes.
- Stepless adjustment of the respective spanner size
- Ratchet function for fastening and releasing
- No need to put down the tool between screwing actions
- Ideal shape
- Balanced weight distribution
- Real one-hand tool
- Attractive design
- Only 2 tools with AF 11-36 mm necessary
- Professional usability
- Possible to fasten or undo across several rows of screw fastenings
- No deformation of the cable glands



50 585...



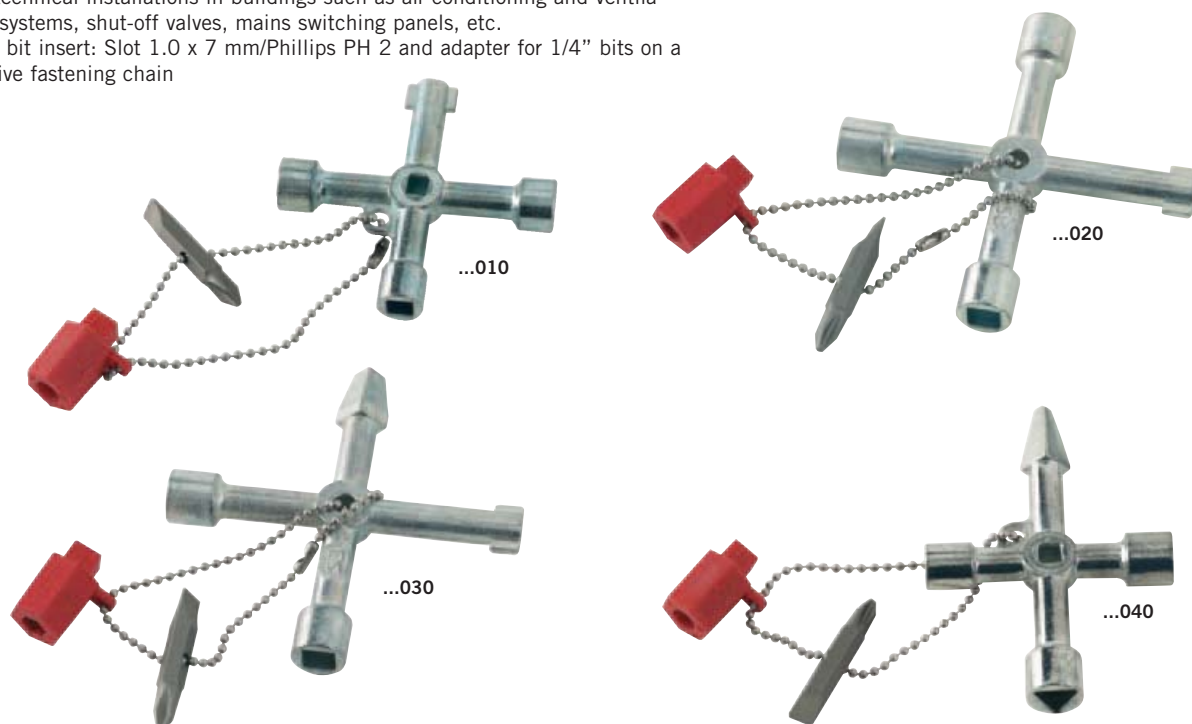
Socket size mm	50 585...		Length mm	Weight g
11 - 24	015		190	190
24 - 36	024		204	240

50 590 Universal 4-way key

made of die cast zinc, for switch cabinets, gas, water and electricity supply barrier systems.

For technical installations in buildings such as air-conditioning and ventilation systems, shut-off valves, mains switching panels, etc.

With bit insert: Slot 1.0 x 7 mm/Phillips PH 2 and adapter for 1/4" bits on a captive fastening chain



50 590...		Square socket mm	Triangular socket mm	Double bit mm	Half-moon mm	External square* mm
010		5/6/7-8	7 - 8	3 - 5	-	-
020		7 - 8	7 - 8	3 - 5	6.5 - 8	-
030		7 - 8	7 - 8	3 - 5	-	6 - 10
040		5 / 7 / 8	8 - 9	-	-	4 - 10

* tapered



Safety nut release tool for threaded pipe connections

The problem:

Threaded connections at pipe flanges are often difficult to dismantle. An impact wrench is usually used for tightening and undoing nuts with a ring spanner on the other side to hold the bolt head. While holding the ring spanner there is a **risk of injuries**, as the ring spanner rebounds if the threaded connection suddenly becomes loose and this frequently results in crushing injuries, bruising or even broken fingers.

The solution:

Due to the specially designed shape of this new safety nut release tool, if torques occur the tool supports itself on the pipe jacket which means the physical work of holding the bolt is no longer necessary and the correct safe distance between fingers and pipe is ensured. This risk is especially large where **connections are corroded**, as these often require **changing several times** between **clockwise and anti-clockwise** running of the impact wrench to undo them.

Registered with the German Patent Office in Munich.

Recommended by the "Bergbau-Berufsgenossenschaft" Bochum, responsible for mining safety. "Safe, prevents work accidents and saves time!"

For bolts from M16-M30 and DIN nominal size DN80-DN600

50 600 Nut release tool with handle

Socket size mm	50 600...	
24	024	
27	027	
30	030	
32	032	
36	036	
41	041	
46	046	
Replacement handle	110	



50 600 Nut release tool set

with five nut release tools for the threaded connections mainly and repeatedly found in pipe construction. In a handy tool case for tidy storage and making them easy to carry.

Scope of supply	50 600...	
1 nut release tool each with sizes: 24 mm, 30 mm, 36 mm, 41 mm, 46 mm + 1 handle	100	



Safe, prevents work accidents
and saves time!

50 600...

50 600 100



Exclusively available from us only!



51 001 Hexagon keys (Allen keys)

Hexagon, according to ISO 2936, **chrome vanadium steel**, nickel-plated, (from 1.5 mm), with right-angled bend, tensile strength 190-220 kg/mm²



51 011 Hexagon socket keys, long

Hexagon, according to ISO 2936 L, **long type, chrome vanadium steel**, nickel-plated, with right-angled bend, tensile strength 190-220 kg/mm²



Key size mm	51 001... Normal length		Length mm	51 011... Long		Length mm
0.7	007*		32 / 8	-	-	-
0.9	010*		32 / 10	-	-	-
1.3	016*		40 / 12	-	-	-
1.5	019		45 / 14	019		90 / 14
2.0	028		50 / 16	028		100 / 16
2.5	037		56 / 18	037		112 / 18
3.0	043		63 / 20	043		126 / 20
4.0	064		71 / 25	064		140 / 25
5.0	085		80 / 28	085		160 / 28
6.0	097		90 / 32	097		180 / 32
7.0	109		95 / 34	109		200 / 36
8.0	115		100 / 36	115		200 / 36
9.0	121		105 / 38	121		224 / 40
10.0	127		112 / 40	127		224 / 40
11.0	139		118 / 42	139		250 / 45
12.0	145		125 / 45	145		250 / 45
14.0	163		140 / 55	163		280 / 55
17.0	187		160 / 63	187		320 / 63
19.0	199		180 / 70	199		360 / 70
22.0	214		200 / 80	-	-	-
24.0	223		224 / 90	-	-	-
27.0	238		250 / 100	-	-	-
30.0	253		280 / 112	-	-	-
32.0	262		315 / 125	-	-	-

* not nickel-plated



51 014 Hexagon socket keys, long

Hexagon, long, **chrome vanadium steel**, with **Magic Ring**, wear-resistant spring steel ring holds all standard screws perfectly fast in any position.

...400: as set as above, with "Magic Ring" from 3 mm in practical holder



with "Magic Ring"

Key size mm	51 014...		Length mm
3	003		128 / 23
4	004		142 / 29
5	005		163 / 33
6	006		184 / 38
8	008		206 / 44
10	010		231 / 20

Contents Qty	51 014...		Scope of supply
9	400		1.5; 2.0; 2.5; 3.0; 4.0; 5.0; 6.0; 8.0; 10.0



51 021 Hexagon socket keys, inch sizes

Hexagon, **chrome vanadium steel**, nickel-plated, with right-angled bend, tensile strength 190-220 kg/mm², with American inch sizes AF



Inch sizes

Key size Inch (mm)	51 021...		Length mm	Key size Inch (mm)	51 021...		Length mm
3/64 (1.19)	010		40 / 12	1/4 (6.35)	043		90 / 32
0.05 (1.27)	013		40 / 12	9/32 (7.14)	046		95 / 35
1/16 (1.59)	016		45 / 15	5/16 (7.94)	049		100 / 36
5/64 (1.98)	019		50 / 16	3/8 (9.53)	055		112 / 40
3/32 (2.38)	022		56 / 18	7/16 (11.11)	058		119 / 42
7/64 (2.77)	025		63 / 20	1/2 (12.70)	061		132 / 50
1/8 (3.18)	028		63 / 20	9/16 (14.29)	064		140 / 55
9/64 (3.57)	031		68 / 22	5/8 (15.88)	073		160 / 60
5/32 (3.97)	034		70 / 25	3/4 (19.05)	085		180 / 70
3/16 (4.76)	037		80 / 28	7/8 (22.22)	100		200 / 80
7/32 (5.56)	040		85 / 30	1 (25.40)	112		250 / 100





51 023 Hexagon socket key sets

Hexagon, ISO 2936, **chrome vanadium steel**, with right-angled bend, with various set compositions

Contents Qty	Key size mm / Zoll	Type	51 023...		Length	Type of packaging
6	2 - 2.5 - 3 - 4 - 5 - 6	-	006		normal	Bag
8	2 - 2.5 - 3 - 4 - 5 - 6 - 8 - 10	-	010		normal	Bag
10	2 - 2.5 - 3 - 4 - 5 - 6	-	014		normal	Bag
10	8 - 10 - 12 - 14 1/16 - 5/64 - 3/32 - 1/8 - 5/32 - 3/16 - 7/32 - 1/4 - 5/16 - 3/8	Inch sizes	038		normal	Bag
8	2 - 2.5 - 3 - 4 - 5 - 6 - 8 - 10	-	110		normal	Plastic sliding stands
8	2 - 2.5 - 3 - 4 - 5 - 6 - 8 - 10	-	111		Long	Plastic sliding stands
7	5/64 - 3/32 - 1/8 - 5/32 - 3/16 - 7/32 - 1/4	Inch sizes	114		normal	Plastic sliding stands
7	2 - 2.5 - 3 - 4 - 5 - 6 - 8	-	208		normal	Key ring
8	2 - 2.5 - 3 - 4 - 5 - 6 - 8 - 10	-	210		normal	Key ring
10	1/16 - 5/64 - 3/32 - 5/32 - 3/16 - 7/32 - 1/4 - 5/16 - 3/8	Inch sizes	238		normal	Key ring
7	1.5 - 2 - 2.5 - 3 - 4 - 5 - 6	-	306		normal	Hinged holder
6	2.5 - 3 - 4 - 5 - 6 - 8	-	308		normal	Hinged holder
7	2.5 - 3 - 4 - 5 - 6 - 8 - 10	-	310		normal	Hinged holder
7	2 - 2.5 - 3 - 4 - 5 - 6 - 8	-	320		normal	Pocket Star
7	1.5 - 2 - 2.5 - 3 - 4 - 5 - 6	-	322		normal	Pocket Star
9	2.5 - 3 - 4 - 5 - 6 - 8 - 10 - 12 - 14	-	414		normal	Workshop stands
9	2.5 - 3 - 4 - 5 - 6 - 8 - 10 - 12 - 14	-	415		Long	Workshop stands



...010



...110



...111



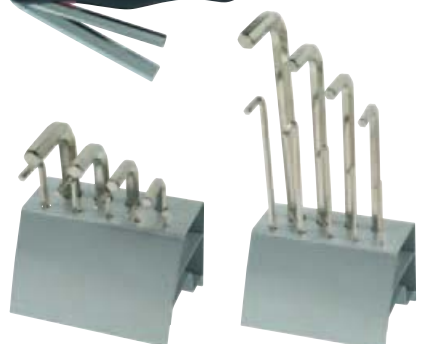
...210



...308



...320



...414



...415

51 094 Hex (Allen) key / screwdriver set



fold-away into handy hinged holder, with 13 functions, all screwdriver blades made of chrome vanadium steel, hardened and nickel-plated, holder (95 x 25 x 25 mm) acts as offset handle, casing made of steel, plastic coated;
6 hexagon screwdrivers DIN ISO 2936: 2 2.5 3 4 5 6 mm.
1 Phillips screwdriver DIN ISO 8764-1: Size 1.
1 screwdriver DIN 5264: 1 x 7 mm with crown cap opener.
4 socket spanners DIN 659: 7 8 10 13 mm AF.

51 094...	Scope of supply
013	Hexagon blades, DIN 911, 2 - 2.5 - 3 - 4 - 5 - 6 mm; hexagon, DIN 659, 7 - 8 - 10 - 13 mm; slot blade 7 mm; Phillips blade, Size 1



51 094...

51 031 Hexagon socket key with pivot end

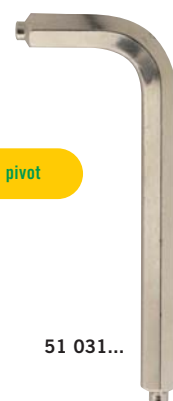


Hexagon, DIN 6911, with pivot, for Ribe CS screws, **chrome vanadium steel**, nickel-plated, tensile strength 190 - 220 kg/mm²



Key size mm	51 031...	Length mm
3	043	63 / 20
4	064	71 / 25
5	085	80 / 28
6	097	90 / 32
8	115	100 / 36
10	127	112 / 40
12	145	125 / 45
14	167	140 / 55
17	187	160 / 60

with pivot



51 031...



Hexagon socket key with ball end

enables the key to work at an angle of up to 30° to the vertical.
High-quality **chrome vanadium steel**



51 032

normal length, nickel-plated surface



51 032...

51 036

extra long type, nickel-plated surface



51 036...

51 037

extra long type, **chrome-plated surface**



51 037...

Key size mm	51 032... nickel-plated		Length mm	51 036... nickel-plated Long		51 037... chrome-plated Long		Length mm
1.5	-	-	-	019		019		90 / 14
2	020		50 / 16	039		039		100 / 16
2.5	025		56 / 18	041		041		112 / 18
3	030		63 / 20	043		043		126 / 20
4	040		70 / 25	064		064		140 / 25
5	050		80 / 28	085		085		160 / 28
6	060		90 / 32	097		097		180 / 32
7	070		95 / 34	-	-	-	-	-
8	080		100 / 36	115		115		200 / 36
10	100		112 / 40	127		127		224 / 40
12	-	-	-	145		145		250 / 45

51 032 Set

normal length, in plastic slide case

Type	Contents Qty	51 032... short		Scope of supply mm
nickel-plated	8	180		2 - 2.5 - 3 - 4 - 5 - 6 - 8 - 10



51 032 180

51 036 Set

extra long type, nickel-plated surface

Type	Contents Qty	51 036... Long		Scope of supply mm
steel grey	9	310		1.5 - 2 - 2.5 - 3 - 4 - 5 - 6 - 8 - 10
nickel-plated	9	320		1.5 - 2 - 2.5 - 3 - 4 - 5 - 6 - 8 - 10



51 036 310



51 036 320

51 037 Set

extra long type, **chrome-plated surface**

Type	Contents Qty	51 037... Long		Scope of supply mm
chrome-plated	9	330		1.5 - 2 - 2.5 - 3 - 4 - 5 - 6 - 8 - 10



51 037 330

51 120 Ball head screwdriver

Handle: Ergonomic triangular shape corresponds to the ideal angle of rotation of the hand (120°), with quick-turn zone and anti-slip protection made of soft plastic, highly shock-resistant core, triangular shaped collar prevents the key from rolling away, practical hang hole for more order.

Blade: Special, highly hardened and tempered steel, matt chrome-plated, durably labelled, with black blade tip for maximum precision.

Primat®



51 120...

Screwdriver size mm	51 120...		Blade length mm	Overall length mm
3	030		100	190
4	040		100	190
5	050		100	200
6	060		125	235
8	080		150	275

51 120 Ball head screwdriver set

consisting of 51 120...

Primat®



51 120 400

Number of screwdrivers	51 120...		Screwdriver size mm
5	400		3.0 - 8.0

51 033 Hexagon keys with ball head

Hexagon, long, **chrome vanadium steel**, with **Magic Ring**, wear-resistant spring steel ring holds all standard screws perfectly fast in any position.

...190: 9-piece set in shockproof plastic holder with slide function

Witba



with "Magic Ring"



51 033...

51 033 190

Key size mm	51 033...		Length mm
3	003		128 / 23
4	004		142 / 29
5	005		163 / 33
6	006		184 / 38
8	008		206 / 44
10	010		231 / 50

Contents Qty	51 033...		Scope of supply mm
9	190		1.5; 2.0; 2.5; 3.0; 4.0; 5.0; 6.0; 8.0; 10.0



51 103 Hexagon screwdriver

Blade made of **chrome vanadium steel**, straight, matt chrome-plated, hardened and matt chrome-plated throughout, soft finish handle with protection against rolling away



51 103...

Blade size mm	51 103...		Blade length mm	Overall length mm
2.5	402		75	179
3	403		75	179
4	404		75	186
5	405		75	186
6	406		100	218
8	408		100	218

51 106 Hexagon screwdriver

Blade made of **chrome vanadium steel**, right-angled end, matt chrome-plated, hardened and matt chrome-plated throughout, soft finish handle with protection against rolling away



51 106...

Blade size mm	51 106...		Blade length mm	Overall length mm
3	403		35	139
4	404		40	151
5	405		45	156
6	406		50	168
8	408		60	178
10	410		70	199

51 111 Hexagon screwdriver

Chrome vanadium steel, blade hardened throughout, bright nickel-plating, with shockproof plastic T-handle.

**51 113 Hexagon screwdriver**

Chrome vanadium steel, blade hardened throughout, bright nickel-plating, with shockproof plastic T-handle.



51 113 200 to 51 113 300 with side blade, chrome-plated surface. side blade with continuous blade, withstands even the highest stresses.

AF mm	51 111...		51 113...		51 113... with side blade		Blade length mm
2	028		028		200		100
2.5	038		038		225		100
3	044		044		230		100
3	045		045		-	-	150
4	065		065		-	-	100
4	066		066		240		150
4	067		067		-	-	200
5	086		086		-	-	100
5	087		087		250		150
5	088		088		-	-	200
6	098		098		-	-	100
6	099		099		260		150
6	100		100		-	-	200
8	116		116		-	-	100
8	117		117		-	-	150
8	118		118		280		200
10	130		130		300		200
12	148		148		-	-	200



51 111 028-148



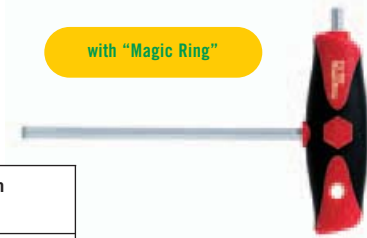
51 113 028-148



51 113 200-300

51 118 Hexagon screwdriver

With MagicRing and side blade. Blade made of chrome-plated, hardened **chrome vanadium steel** throughout to withstand maximum stresses. Thanks to its spring steel ring, MagicRing holds fast all standard screws in any position.



with "Magic Ring"

51 118...

Blade size mm	51 118...		Blade length mm
3	203		100
4	204		150
5	205		150
6	206		150
8	208		200
10	210		200



51 051 TORX® angled keys

Special vanadium steel, rust-proofed (steel grey)

**51 056 TORX® angled keys**

long type, special vanadium steel, rust-proofed (steel grey)



Size	51 051... short		Length mm	51 056... Long		Length mm
T 6	097		42 / 16	-	-	-
T 7	109		48 / 15.5	-	-	-
T 8	115		48 / 15.5	-	-	-
T 9	121		48 / 15.5	-	-	-
T 10	127		51 / 16.6	127		65.0 / 20.0
T 15	175		54 / 17.8	175		75.5 / 20.5
T 20	205		57 / 19	205		87.0 / 22.0
T 25	232		60 / 20	232		94.5 / 22.5
T 27	238		68 / 21	238		105.5 / 25.5
T 30	253		70 / 23.8	253		111.0 / 30.0
T 40	276		76 / 26.2	276		119.0 / 33.0
T 45	279		82 / 28.6	-	-	-
T 50	283		95 / 31.8	-	-	-
T 55	286		108 / 35	-	-	-
T 60	289		120 / 38.1	-	-	-

**51 052 TORX® angled key sets**

Blades made of hardened chrome vanadium steel throughout, rust-proofed (steel grey) with opening button for easy selection of individual keys.

51 052 040 in holder made of steel,

51 052 080 in holder made of plastic

51 052 090 in holder made of plastic

51 052 040



51 052 080



51 052 090

Contents Qty	51 052...		Scope of supply
8	040		T 9 - T 10 - T 15 - T 20 - T 25 - T 27 - T 30 - T 40
8	080		T 9 - T 10 - T 15 - T 20 - T 25 - T 27 - T 30 - T 40
9	090		T 8 - T 9 - T 10 - T 15 - T 20 - T 25 - T 27 - T 30 - T 40

51 055 TORX® angled key set with "MagicSpring" hold function

Manganese phosphated, in holder, 7-pce.

MagicSpring made of stainless steel holds fast all **TORX®** screws in one any position. The usual key sizes are clearly stored in the holder.Hold
function

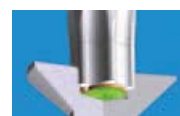
Contents Qty	51 055...		Scope of supply
7	007		T6; T7; T8; T9; T10; T15; T20



51 055 007

51 125 TORX® screwdriver set with "MagicSpring" hold functionMagicSpring retention spring reliably holds fast **TORX®** screws.**Blade:** high-quality chrome vanadium molybdenum steel, hardened and matt chrome-plated throughout**Handle:** Ergonomic Wiha SoftFinish® multi-component handle with protection against rolling away**Application:** For TORX® screws in difficult to access placesHold
function

Contents Qty	51 125...		Scope of supply
6	106		T 10, T 15, T 20 T 25, T 30, T 40



51 125...



51 132 TORX® screwdriver

for Torx screws

Handle: Ergonomic triangular shape corresponds to the ideal angle of rotation of the hand (120°), with quick-turn zone and anti-slip protection made of soft plastic, highly shock-resistant core, triangular shaped collar prevents the tool from rolling away, practical hang hole for more order.

Blade: Special, highly hardened and tempered steel, matt chrome-plated, durably labelled, with black blade tip for maximum precision.

Primat



51 132...

Size	51 132...		Blade length mm	Overall length mm
T 5	005		50	140
T 6	006		50	140
T 7	007		50	140
T 8	008		60	150
T 9	009		60	150
T 10	010		80	180
T 15	015		80	180
T 20	020		100	200
T 25	025		100	210
T 27	027		115	225
T 30	030		115	225
T 40	040		115	240
T 45	045		130	255

51 132 TORX® screwdriver set

consisting of 51 132...

Primat



51 132 400

Number of screwdrivers	51 132...		Size mm
6	400		T 10 - T 25. T 30 + T 40

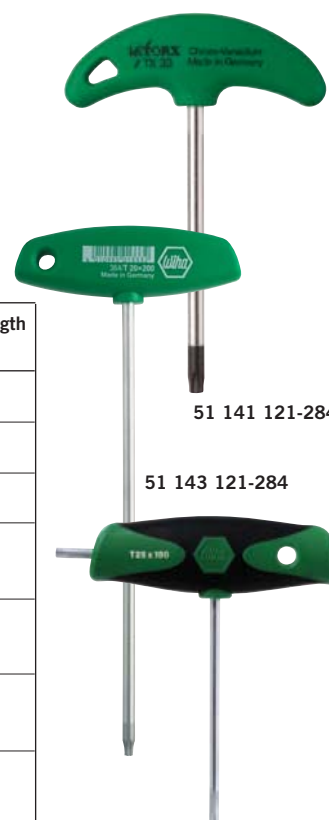
51 141 TORX® screwdriver

Chrome vanadium steel, chrome-plated with black tip and ergonomic T-handle

**51 143 TORX® screwdriver**

with T-handle, **chrome vanadium steel**, chrome-plated, blade hardened throughout, with shockproof plastic T-handle.

51 143 410 to 51 143 440 with side blade, surface chrome-plated. Side blade with continuous blade, withstands even the highest loads.



51 141 121-284

51 143 121-284

51 143 410-440

Size	51 141...		51 143...		51 143... with side blade		Blade length mm
T 9	121		121		-	-	100
T 10	127		127		410	-	100
T 15	175		175		415	-	100
T 15	176		176		-	-	200
T 20	205		205		420	-	100
T 20	206		206		-	-	200
T 25	232		232		-	-	100
T 25	-	-	-	-	425	-	150
T 25	233		233		-	-	200
T 27	238		238		-	-	100
T 27	-	-	-	-	427	-	150
T 27	239		239		-	-	200
T 30	253		253		-	-	100
T 30	-	-	-	-	430	-	150
T 30	254		254		-	-	200
T 40	276		276		-	-	100
T 40	-	-	-	-	440	-	150
T 40	277		277		-	-	200
T 45	280		280		-	-	250
T 50	284		284		-	-	250



51 144 TORX® screwdriver with "MagicSpring" hold function

TORX® screwdriver with MagicSpring and T-handle.

Blade: high-quality chrome vanadium steel, hardened and matt chrome-plated throughout

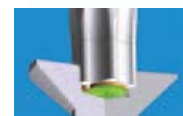
Handle: Wiha T-handle

Application: To transfer high torques without tiring

Extra: MagicSpring made of stainless steel holds fast all TORX® screws in any position. Chrome top blade tip for maximum dimensional stability. Blade made of hexagon material is particularly stress-resistant.



Hold function



51 144...

Size	51 144...		Blade length mm
T 9	121		100
T 10	127		100
T 15	176		100
T 20	205		100
T 25	232		100
T 27	238		100
T 30	253		100
T 40	276		100

51 062 TORX® screwdriver

with flag-type handle, blade made of hardened **chrome vanadium steel** throughout, particularly short handy type.

As set in practical workbench stands made of sheet steel with blade profile symbols printed on the stand.



51 062...

Size	51 062...		Blade length mm	Handle width mm
T 5	005		35	23
T 6	006		35	23
T 7	007		35	23
T 8	008		40	23
T 9	009		40	23
T 10	010		40	23
T 15	015		45	23
T 20	020		45	23

Contents Qty	51 062...		Scope of supply mm
7	170		T6, T7, T8, T9, T10, T15, T20



51 062 170

51 064 TORX® plus screwdriver

with flag-type handle for TORXplus® screws, blade made of hardened **chrome vanadium steel** throughout, particularly short handy type.



51 064...

Size	51 064...		Blade length mm	Handle width mm
T 5	005		35	23
T 6	006		35	23
T 7	007		35	23
T 8	008		40	23
T 9	009		40	23
T 10	010		40	23
T 15	015		45	23
T 20	020		45	23



51 057 TORX® angled keys

for TORX® screws with additional security pin, tamper resistant, with drillhole in the tip of the blade, vanadium steel, black finished



51 057...

...180: as set in shockproof plastic box

Size	51 057...		Length mm
TR 9	009		56 / 16
TR 10	010		62 / 17
TR 15	015		72 / 18
TR 20	020		83 / 19
TR 25	025		90 / 20
TR 27	027		100 / 21
TR 30	030		105 / 24
TR 40	040		112 / 26

Contents Qty	51 057...		Scope of supply
8	180		TX 9; TX 10; TX 15; TX 20; TX 25; TX 27; TX 30; TX 40

51 057 180



51 136 TORX® screwdriver

for Torx screws with security pin

Handle: Ergonomic triangular shape corresponds to the ideal angle of rotation of the hand (120°), with quick-turn zone and anti-slip protection made of soft plastic, highly shock-resistant core, triangular shaped collar prevents the key from rolling away, practical hang hole for more order.

Blade: Special, highly hardened and tempered steel, matt chrome-plated, durably labelled, with black blade tip for maximum precision.



51 136...

Size	51 136...		Blade length mm	Overall length mm
TR 10	010		80	180
TR 15	015		80	180
TR 20	020		100	200
TR 25	025		100	210
TR 30	030		115	225
TR 40	040		115	240
TR 45	045		130	255

51 041 Triple square (bi-hexagonal) angle hex key

XZN triple square, DIN 65253, chrome vanadium steel, nickel-plated



Size	51 041...		Length mm
M 5	085		75 / 30
M 6	097		86 / 34
M 8	115		98 / 40
M 10	127		110 / 46
M 12	145		124 / 52
M 14	163		139 / 59
M 16	178		156 / 72



51 041...

51 146 Magnetic rubber ring set

For pushing onto hexagon, T profile, three-square keys, for holding and simple screwing and unscrewing of the screws in hard to access places.

Contents	51 146...	
4	001	



51 146...

51 202 Hexagon nut driver

for external hexagon screws and bolts

Handle: Ergonomic triangular shape corresponds to the ideal angle of rotation of the hand (120°), with quick-turn zone and anti-slip protection made of soft plastic, highly shock-resistant core, triangular shaped collar prevents the key from rolling away, practical hang hole for more order.

Blade: Special, highly hardened and tempered steel, matt chrome-plated, durably labelled



51 202...

Socket size mm	51 202...		Blade length mm	Overall length mm
3.5	035		125	215
4	040		125	215
4.5	045		125	215
5	050		125	215
5.5	055		125	215
6	060		125	225
7	070		125	225
8	080		125	225
9	090		125	225
10	100		125	235
11	110		125	235
12	120		125	235
13	130		125	235
14	140		125	250
17	170		125	250

51 202 Hexagon nut driver set

consisting of 51 202...



51 202 400

Number of screwdrivers	51 202...		Socket size mm
6	400		5.0 - 8.0 and 10.0

51 211 Hexagon nut driver

with flexible blades for angular access for fastening and undoing external hexagon screws and bolts. Ergonomic 2-component triangular handle with hard and soft surface for optimum force transfer, ball-shaped handle end, flexible shank



flexible shank

51 211...

Socket size mm	51 211...		Blade length mm	Overall length mm
6	060		200	310
7	070		200	310
8	080		200	310

51 214 Hexagon nut driver

- with T-handle
- Blade matt chrome-plated made of high alloy chrome vanadium steel
- ergonomic multi-component handle with integrated soft zones made of high-quality plastic



51 214...

51 215 Hexagon nut driver

- with T-handle
- Blade hardened throughout, bright nickel-plated
- T-handle made of high-quality plastic



51 215...

Socket size mm	51 214... 		51 215... 	
Shank length: 125 mm				
5.5	005		091	
6.0	006		097	
7.0	007		109	
8.0	008		115	
9.0	009		121	
10.0	010		127	
11.0	011		139	
12.0	012		145	
13.0	013		154	
14.0	014		163	
15.0	-	-	175	
17.0	017		187	
Shank length: 230 mm (* = shank length WIHA: 200 mm),				
7.0	107		-	-
8.0	108		118*	
9.0	109		124*	
10.0	110		130*	
11.0	111		140	
12.0	112		148	
13.0	113		156	
Shank length: 350 mm				
7.0	207		113	
8.0	208		119	
9.0	209		-	-
10.0	210		131	
11.0	211		-	-
12.0	212		-	-
13.0	213		157	
14.0	214		165	
17.0	217		189	

51 405 Socket spanner

DIN 904, square, made of hardened special steel



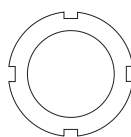
51 405...

Square socket mm	51 405...		Overall length mm	Shank Ø mm
4	064		60	12
5	085		60	12
6	097		80	12
7	109		80	16
8	115		80	16
9	121		100	18
10	127		100	20
12	145		100	24
13	154		100	24
14	163		120	28
17	187		160	34
19	199		200	36
22	214		200	42
24	223		250	45



51 637 Hook spanner (C-hook wrench)

DIN 1810 A **with lug**, special steel, hardened and tempered with black finish, for slotted retaining rings and nuts to DIN 1804 and rolling bearing nuts to DIN 981.



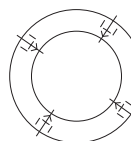
AMFO



51 637...

51 656 Hook spanner (chuck removal spanner)

DIN 1810 B, **with fixed pin**, special steel, hardened and tempered with black finish, for round nuts with set pin holes in side to DIN 1816



AMFO



51 656...

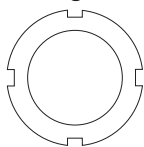
Nuts External Ø	51 637... with lug		51 656... with fixed pin		Pin Ø	Overall length	Thickness
mm		O		O	mm	mm	mm
12 - 14	145		145		2	110	3
16 - 18	-	-	178		2.5	110	3
16 - 20	178		-	-	2.5	110	3
20 - 22	-	-	205		2.5	110	3
25 - 28	232		232		3	136	4
30 - 32	253		253		4	136	4
34 - 36	268		268		4	170	5
40 - 42	276		276		4	170	5
45 - 50	279		279		5	206	6
52 - 55	284		284		5	206	6
58 - 62	288		288		5	240	7
68 - 75	294		294		6	240	7
80 - 90	301		301		6	280	8
95 - 100	310		310		8	280	8
110 - 115	-	-	319		8	335	8*
110 - 115	319		-	-	8	335	10
120 - 130	-	-	325		8	335	8*
120 - 130	325		-	-	8	335	10
135 - 145	-	-	334		8	380	8*
135 - 145	334		-	-	8	385	10
155 - 165	-	-	346		8	380	8*
155 - 165	346		-	-	8	385	10
180 - 195	361		361		10	470	10
205 - 220	369		368		10	470	10
230 - 245	376		376		10	568	10
260 - 270	385		385		10	568	10
280 - 300	391		-	-	10	680	15
300 - 320	405		-	-	10	695	15
320 - 345	408		-	-	10	695	15
350 - 375	415		-	-	10	735	15
380 - 400	420		-	-	10	770	15
480 - 500	430		-	-	10	988	20

* differs from DIN



51 645 Hinged hook wrench

with lug, special steel, hardened and tempered with black finish, for slotted retaining rings and nuts to DIN 1804 and rolling bearing nuts to DIN 981.



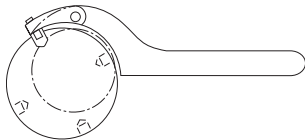
AMF

also available in
stainless steel

51 645...

51 664 Hinged hook wrench

with pin, special steel, hardened and tempered with black finish, for round nuts with set pin holes in side to DIN 1816



AMF



51 664...

Nut external Ø mm	51 645... with lug		51 664... with fixed pin		Pin Ø mm	Overall length mm	Thickness mm
20 - 35	205		205		2.5	135	4
35 - 60	270		270		4	175	5
60 - 90	289		289		5	250	7
90 - 155	307		307		6	290	8
155 - 230	346		346		8	420	8

51 688 Face pin spanner

adjustable, special steel tempered with black finish, for two-hole nuts. No. 51 688 109 with riveted - from ...139 with electrically welded on pin.

AMF



51 688...

Adjustment range mm	51 688...		Pin Ø mm	Overall length mm	Thickness mm
7 - 40	109		2	115	3
11 - 60	139		4	160	4
14 - 100	163		6	215	6
22 - 125	214		8	260	6

51 691 Cranked face pin spanner

DIN 3116 for angle grinders, special steel, zincd, with electrically welded on pins

AMF



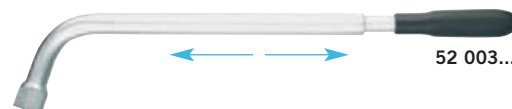
51 691...

Length mm	51 691...		Pin spacing mm	Pin Ø mm
200	001		35	5

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52 003 Extending wheel nut wrench

made of special steel, chrome-plated, with plastic handle, easy to work with due to long lever arm, space-saving, easy storage in the vehicle



52 003...

Socket size mm	Socket size inch	52 003...		Length mm
17	3/4"	011		364 - 520
19	-	013		380 - 535
21	-	017		380 - 535

52 013 Four-way wheel nut wrench

made of **chrome vanadium steel**, chrome-plated, DIN 3119, ISO 6788

52 013 013 in addition with 1/2"

52 013 019, powder coated, black



52 013...

Socket size mm/inch	52 013...		Length mm	Intended use
17 x 19 x 13/16" x 21	010		380	Cars and vans
17 x 19 x 22 x 1/2"	013		380	Cars and vans
19 x 22 x 24 x 27	019		560	Utility vehicles, MPVs
24 x 27 x 30 x 32	026		750	Utility vehicles, construction and agricultural machines and vehicles
27 x 30 x 32 x 36	030		750	Utility vehicles, construction and agricultural machines and vehicles

52 023 Tyre lever

made of **chrome vanadium steel**, chrome-plated surface, double-T section for high stability

52 023 063 especially for tubeless tyres



52 023 020

52 023 031 - ...050

52 023 060 - ...063

Length mm	52 023...		Intended use
199	020		For motorbikes
303	031		For cars and vans
396	040		For cars and vans
500	050		For cars and vans
600	060		heavy duty type for trucks and other utility vehicles
456	063		heavy duty type for trucks and other utility vehicles

52 026 Pry bar

Special steel, bright nickel-plated



52 026 010

52 026 013

52 026 016

Length mm	52 026...		Type
400	010		cranked, with rolled head
400	013		bevelled lever arm
400	016		heavy duty type, bevelled lever arm

52 033 Spark plug wrench

Chrome vanadium steel, chrome-plated, double-sided use, swivel handle



52 033...

Plug size mm	Plug size inch	52 033...		Overall length mm
16 x 20.8	5/8 x 13/16	010		210

52 044 Spark plug socket

with square socket nominal size 12.5 = 1/2" and rubber insert for retention, **chrome vanadium steel**, chrome-plated, polished



52 044...

Plug size mm	Plug size inch	52 044...	
16	5/8	016	
21	13/16	021	

52 048 Drain plug wrench

made of special steel, chrome plated



52 048...

Key size mm	52 048...	
8.7 / 9.5 / 10.5 / 11.5 / 13 square	013	
6.8 - 9.1 / 15.2 - 18.3 / 16.5 - 19.7 square tapered		

52 051 Oil filter wrench

for removing oil filters, adjustable steel band



52 051...

Clamping width	52 051...		Type
75 - 110	010		with handle
80 - 110	013		with 1/2" internal square

52 054 Oil filter wrench

for difficult to access filters, made of special steel, zined surface, universal use on almost all filters, left and right-hand rotating effect, **with 10 mm = 3/8" internal square**, including reducing adapter 19 mm hexagon



52 054...

Clamping range mm	52 054...		Length mm
65 - 120	010		90

52 061 Stethoscope

Device for localising defective parts, e.g. valves, bearings, etc., with steel tip 180 mm and effectively transferring diaphragms



52 061...

Overall length mm	52 061...	
1080	010	

52 064 Valve spring compressors

Special steel, with straight and curved jaws, bright nickel-plated



52 064...

Straight jaw width capacity mm	Curved jaw width capacity mm	52 064...	
75 - 225	45 - 195	010	
120 - 280	90 - 250	013	

52 067 Piston ring pliers

Special steel, bright nickel-plated, for removing and fitting piston rings



52 067...

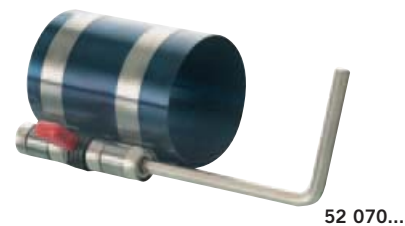
Piston ring Ø mm	52 067...		Overall length mm
50 - 100	010		200
65 - 110	013		240

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52 070 Piston ring compressors

made of high-strength spring, continuous adjustment, with key

Clamping range mm	52 070...		Height mm
40 - 75	007		50
60 - 125	010		80
90 - 175	013		80
90 - 175	016		165



52 070...

52 073 Piston ring pliers

for water and air-cooled engines, clamping belt 32 mm wide, can be disengaged, chrome-plated

Piston ring Ø mm	52 073...		Overall length mm
70 - 100	016		302 - 332



52 073 016

52 076 Post and terminal cleaning brush

combined internal and external brush for battery poles and terminals

Length mm	52 076...	
120	010	



52 076 010

52 079 Brake spring pliers

Chrome plated, for unhooking/hooks on brake shoe return springs, chrome-plated

52 079 013 with moving claw



52 079...

Size	52 079...		Intended use	Overall length mm
1	010		Braking shoes riveted on	215
2	013		Brake shoes riveted on and glued on	317

52 088 Hose clamp pliers

chrome-plated, for self-tightening hose clamps, rotatable jaws



52 088 010

Clamp diameter range mm	52 088...		Overall length mm
40	010		206

52 102 Joggler/flanging tool

Chrome vanadium steel, for positioning sheet metal panel edge on sheet metal panels up to 1 mm thick with flush joint, chrome plated



52 102...

Flange depth mm	52 102...		Jaw width mm	Overall length mm
12	010		15	300
12	013		30	300
20	022		15	300

52 105 Hole punch pliers

Chrome vanadium steel, for making holes in metal sheets up to 1 mm thick



52 105...

Hole Ø mm	52 105...		Overall length mm
5	010		300
5.5	013		300
7	016		300

52 915 Jacks

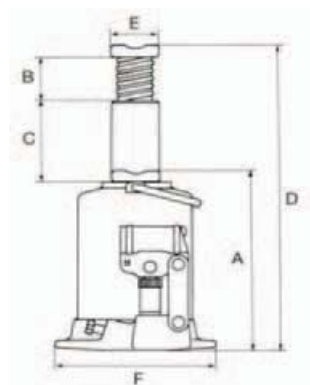
with hydraulic jacking pistons, pump lever and adjusting spindle, all units equipped with **pressure limiting valve**, from 12 t lifting force with handle
...129 and ...131: Telescopic type with two pistons



...129



...131



52 915 028 - ...127
52 915 145 - ...253



Load capacity kg	52 915...		Model type	A mm	B mm	C mm	D mm	E mm	F mm	Weight kg
2000	028		Standard	170	92	115	377	28.0	103.0 x 105	2.9
3500	055		Standard	170	92	115	377	28.0	103.0 x 105	2.9
5000	085		Standard	212	100	150	462	40.0	110.0 x 110	3.9
8000	115		Standard	220	110	150	480	48.0	124.0 x 122	5.7
10000	127		Standard	220	110	150	480	48.0	124.0 x 122	5.7
10000	129		Telescopic	175	-	210	385	43.0	154.0 x 134	7.9
10000	131		Telescopic	120	-	110	230	39.5	164.0 x 160	6.9
12000	145		Standard	230	110	157	497	48.0	134.0 x 120	7.1
15000	150		Standard	230	110	155	495	60.0	139.5 x 130	8.3
20000	205		Standard	240	110	155	505	60.0	164.0 x 160	10.7
30000	253		Standard	240	100	142	482	65.0	185.0 x 176	14.5

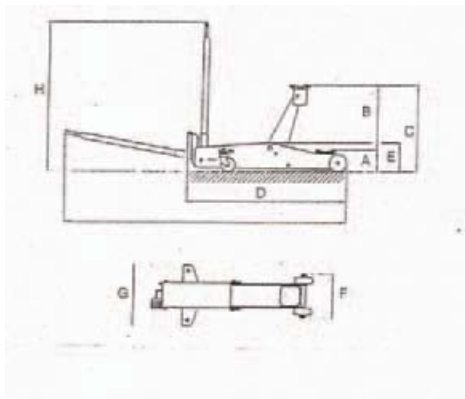
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52 920 Trolley jack, hydraulic

For loads from 1 500 kg - 12 000 kg

All models, except 52 920 003, are equipped with quick lift pedal.

The integrated pressure limiting valve prevents overloading. The models up to 6 000 kg load capacity are fitted with polyamide castor wheels. The standard L.C.S. control system integrated enables automatic, safe and easy lowering



52 920. ...015 - ...018



52 920 009

Load capacity t	52 920...		A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	Weight kg
1.5	006		110	665	775	1250	165	360	360	950	60.5
2.0	009		120	370	490	590	165	275	345	950	30.0
3.0	012		140	385	525	1150	185	260	360	950	50.0
6.0	015		195	380	575	1300	220	300	425	1100	82.0
10.0	018		195	380	575	1600	260	245	425	1100	111.5

52 938 Axle stands

Stable tubular steel design, TÜV and GS tested

Load capacity t	52 938...		Overall (min) height mm	Max. height mm	Weight kg
1.5	019		260	405	2.2
3	043		320	530	3.8
5	085		380	580	6.4
8	097		380	595	10.5
8	115		580	950	15.4
16	116		440	725	21.0



52 938...

52 954 Mechanics' creeper

robust design with six ball bearing mounted zinc-chromate plated polyamide swivel castor wheels, sprung, planed hardwood strips with bolted on transverse bars and head rest



52 954 010

Length mm	52 954...		Width mm	Height mm
1000	010		450	95

53 002 Universal ratchets for square and hexagon ring inserts (ratchet drives), see Prod. No. 53 005... and 53 025..., reversible for **right and left-hand motion**, inserts locked when switch lever in middle position

BILZ



53 002...

Size	53 002...		Suitable square inserts mm	Suitable hexagon inserts mm	Lever arm length mm	Max. torque Nm
R 00	004		2.1 - 8	3 - 9	115	40
R 0	007		3.4 - 11	5 - 12	155	100
R 1	010		4.9 - 14.5	8 - 16	175	130
R 2	013		10 - 18	14 - 21	220	180
R 3	016		14 - 22	16 - 27	300	400
R 4	019		18 - 30	24 - 36	380	500
R 5	022		25 - 46	27 - 50	550	800

53 005 Square ring inserts (ratchet drives)

suitable for universal ratchets No. 53 002...

BILZ



53 005...

Square mm	53 005...		For ratchet size
2.7	004		00
3.4	007		00
4.9	014		00
5.5	016		00
6.2	018		00
7	021		00
8	022		00
4.9	031		0
5.5	033		0
6.2	035		0
6.5	036		0
7	037		0
8	038		0
9	039		0
10	041		0
11	042		0
8	051		1
9	052		1
10	053		1
11	054		1
12	055		1

Square mm	53 005...		For ratchet size
13	056		1
14	057		1
12	063		2
14.5	066		2
16	068		2
17	069		2
14	071		3
17	075		3
18	076		3
19	077		3
20	078		3
22	079		3
20	083		4
22	084		4
24	085		4
30	092		4
30	095		5
32	096		5
36	098		5
40	099		5

53 025 Hexagon ring inserts (ratchet drives)

suitable for universal ratchets No. 53 002.....

BILZ



53 025...

Hexagon mm	53 025...		For ratchet size
17	069		2
19	070		2
19	077		3
24	080		3
24	085		4
27	088		4
30	092		4
36	094		4
32	096		5
41	099		5
46	101		5



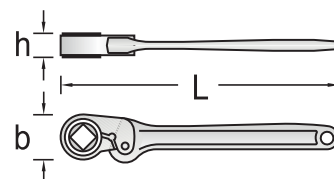
53 033 Freewheeling ratchet

Chrome vanadium steel, forged and black finished, for bi-hexagon (12 point) and square insert rings (ratchet drives),
For inserts, see Prod. No. 53 036... and 53 039...



53 033...

Size	53 033...		Suitable bi-hexagon (12 point) inserts mm	Suitable square inserts mm	Overall length L mm
6	097		8 - 13	8 - 11	150
8	115		14 - 17	12 - 14	205
10	127		18 - 23	17 - 19	255
12	145		24 - 28	-	305
16	178		30 - 32	-	400
20	205		34 - 41	-	500
25	232		46 - 50	-	635
30	253		55 - 60	-	760

**53 036 Insert rings (ratchet drives)**

Square, chrome vanadium steel, polished, suitable for freewheeling ratchets No. 53 033...



53 036...

Square mm	53 036...		For ratchet size	Ring Ø mm
11	139		6	19.7
12	145		8	27.6
14	163		8	27.6
17	187		10	33.6
19	199		10	33.6

53 039 Insert rings (ratchet drives)

Bi-hexagon (12 point), chrome vanadium steel, polished, suitable for freewheeling ratchets No. 53 033...



53 039...

Bi-hexagon (12 point) mm	For ratchet size	53 039...		Ring Ø mm
8	6	115		19.7
9	6	121		19.7
10	6	127		19.7
11	6	139		19.7
12	6	145		19.7
13	6	154		19.7
14	8	163		27.6
15	8	175		27.6
17	8	187		27.6
19	10	199		33.6
22	10	214		33.6

Bi-hexagon (12 point) mm	For ratchet size	53 039...		Ring Ø mm
24	12	223		39.6
27	12	238		39.6
30	16	253		45.6
32	16	262		45.6
36	20	271		56.6
41	20	277		56.6
46	25	280		70
50	25	283		70
55	30	286		82
60	30	289		82

53 053 Reversible ratchet

with permanently installed square insert ring (ratchet drive),
chrome vanadium steel, with forward/reverse lever for right and left-hand motion



53 053...

Square mm	53 053...		Overall length mm	Head height mm
24	223		620	27.9
27	238		620	27.9



1/4 "

53 500 Sockets

DIN 3124, hexagon, with 6.3 = 1/4" square drive, chrome vanadium steel, chrome-plated, ground



53 500...

53 504 Sockets

DIN 3124, hexagon, with 6.3 = 1/4" square drive, chrome vanadium steel, chrome-plated, ground



53 504...

53 502 Sockets

DIN 3124, hexagon, with 6.3 = 1/4" square drive, chrome vanadium steel, traction profile, chrome-plated, polished, good grip, knurled



53 502...

Socket size mm	53 500...		53 504... 		53 502... 		53 500... Size Length x Ø	53 504... Size Length x Ø	53 502... Size Length x Ø
4	064		064		064		25 x 6.8	24.7 x 6.9	25 x 6.8
4.5	073		073		073		25 x 7.5	24.7 x 7.5	25 x 7.0
5	085		085		085		25 x 8.0	24.7 x 8.0	25 x 8.0
5.5	091		091		091		25 x 8.6	24.7 x 8.8	25 x 8.5
6	097		097		097		25 x 9.2	24.7 x 9.4	25 x 9.0
7	109		109		109		25 x 11.0	24.7 x 11.0	25 x 10.5
8	115		115		115		25 x 12.0	24.7 x 12.0	25 x 11.5
9	121		121		121		25 x 13.0	24.7 x 13.0	25 x 13.0
10	127		127		127		25 x 14.0	24.7 x 14.0	25 x 14.0
11	139		139		139		25 x 15.8	24.7 x 16.0	25 x 15.5
12	145		145		145		25 x 17.0	24.7 x 17.0	25 x 17.0
13	154		154		154		25 x 18.0	24.7 x 18.0	25 x 18.0
14	163		163		163		25 x 19.6	24.7 x 19.7	25 x 19.5

53 506 Sockets, deep

Hexagon, chrome vanadium steel, 6.3 = 1/4" square drive, deep type, with traction profile, chrome-plated, polished



53 506...

Socket size mm	53 506...		Overall length mm	Hexagon Ø mm	Ø mm
4	064		50	6.7	11
5	085		50	7.9	11
5.5	091		50	8.5	11
6	097		50	9.2	11
7	109		50	11	11
8	115		50	12	12
9	121		50	13	13
10	127		50	14.5	14.5
11	139		50	15.5	15.5
12	145		50	17	17
13	154		50	18	18



1/4 "

53 532 TORX® sockets

1/4" square drive, chrome vanadium steel, chrome-plated, polished for external Torx® screws

1/4 "



Size mm	53 532...		Overall length mm
E 4	064		25
E 5	085		25
E 6	097		25
E 7	109		25
E 8	115		25
E 10	127		25
E 11	139		25



53 532...

53 534 TORX® sockets

1/4" square drive, chrome vanadium steel, chrome-plated, polished, good grip, knurled for manual use on external Torx® screws



1/4 "



Size	53 534...		TORX® mm	Overall length mm	Ø mm
E 5	085		4.75	25	11.0
E 6	097		5.74	25	11.0
E 7	109		6.22	25	11.0
E 8	115		7.52	25	11.5
E 10	127		9.42	25	12.0



53 534...

53 540 Socket bits

1/4" square drive, chrome vanadium steel, chrome-plated, blades black finished for hexagon socket head cap screws (Allen screws)

1/4 "



Socket size mm	53 540...		Overall length mm
3	043		32
4	064		32
5	085		32
6	097		32
8	115		32



53 540...

53 552 Socket bits

6.3 = 1/4" square drive, chrome vanadium steel, CVD-TiN coated, for tool life improvement and improved adhesion in the screw, for hexagon socket head cap screws (Allen screws), good grip, knurled



1/4 "



Socket size mm	53 552...		Overall length mm	Ø mm
3	042		28	12
4	064		28	12
5	085		28	12
6	097		28	12
8	115		28	12



53 552...

53 570 Socket bits

1/4" square drive, chrome vanadium steel, chrome-plated, blades black finished, for improved too life, for plain slotted screws, good grip, knurled

1/4 "



Blade width mm	53 570...		Overall length mm
4	064		32
5.5	091		32
7	106		32
8	115		32



53 570...

53 572 Socket bits

6.3 = 1/4" square drive, chrome vanadium steel, CVD TiN coated, for plain slotted screws



1/4 "



Blade width mm	53 572...		Blade thickness mm	Overall length mm	Ø mm
3.5	055		0.6	28	12
4	064		0.8	28	12
5.5	091		1.0	28	12
8	115		1.2	28	12
10	127		1.6	28	12



53 572...



53 574 Socket bits

1/4" square drive, chrome vanadium steel, chrome-plated, blades black finished, for **Phillips screws**

1/4 "



Size	53 574...		Overall length mm
1	010		32
2	013		32
3	016		32
4	019		32



53 574...

53 575 Socket bits

6.3 = 1/4" square drive, chrome vanadium steel, CVD-TiN coated, for tool life improvement and improved adhesion in the screw, for **Phillips screws**, good grip, knurled



1/4 "



Size	53 575...		For screws	Overall length mm	Ø mm
1	010		M 2 - M 3	16	12
2	013		M 3.5 - M 5	16	12
3	016		M 6	16	12
4	019		M 8 - M10	16	12



53 575...

53 576 Socket bits

6.3 = 1/4" square drive, chrome vanadium steel, CVD-TiN coated, for tool life improvement and improved adhesion in the screw, for **Pozidrive screws**, good grip, knurled



1/4 "



Size	53 576...		For screws	Overall length mm	Ø mm
PZ					
1	010		M 2 - M 3	16	12
2	013		M 3.5 - M 5	16	12
3	016		M 6	16	12



53 576...

53 578 TORX® socket bits

1/4" square drive, chrome vanadium steel, chrome-plated, blade black-finished for **internal Torx® screws**

1/4 "



Size	53 578...		TORX® mm	Overall length mm	Ø mm
T 8	115		2.31	32	12
T 9	121		2.50	32	12
T 10	127		2.74	32	12
T 15	175		3.27	32	12
T 20	205		3.86	32	12
T 25	232		4.43	32	12
T 30	253		5.52	32	12



53 578...

53 579 TORX® socket bits

1/4" square drive, chrome vanadium steel, CVD-TiN coated (tool life improvement, higher torque, corrosion resistant, minimising of the cam out effect) for **internal Torx® screws**



1/4 "



Size	53 579...		TORX® mm	Overall length mm	Ø mm
T 10	127		2.74	28	12
T 15	175		3.27	28	12
T 20	205		3.86	28	12
T 25	232		4.43	28	12
T 27	238		4.99	28	12
T 30	253		5.52	28	12
T 40	276		6.65	28	12



53 579...

1/4 "

53 580 Ratchets and accessories

with 1/4" square drive, chrome vanadium steel, chrome-plated, polished



1/4 "

53 581 Ratchet and accessories

ergonomically shaped, with quick turn retention wheel (SDR wheel) for quick locking, heavy duty (at least 50 % above DIN), shockproof plastic handle with hang hole



1/4 "

53 584 Ratchets and accessories with 1/4" square drive, chrome vanadium steel, chrome-plated, ground

1/4 "

53 582 Ratchets and accessories

with 1/4" square drive, chrome vanadium steel, chrome-plated, polished



1/4 "

	Description	Product number		Overall length mm	
	Reversible ratchet with quick release and plastic handle	53 580 003		155	
	Lever reversible ratchet with plastic handle and SDR wheel	53 581 001		140	
	Reversible ratchet with plastic handle, fine-toothed	53 584 003		129	
	Reversible ratchet with forward/reverse lever and ball locking device	53 584 011		127	
	Palm ratchet without handle with through square 1/4", for quick working in confined spaces where there is no space for normal ratchets and other wrenches and screwdrivers	53 584 020		Ø 26 x 20	
	Reversible ratchet with HAZET ergonomic plastic handle, chrome-plated, 20 teeth, DIN 3122, ISO 3315	53 582 001		115	
	Reversible ratchet with one-hand forward/reverse button in handle	53 582 003		122	
	Curved reversible ratchet with HAZET ergonomic plastic handle, chrome-plated, 20 teeth, DIN 3122, ISO 3315	53 582 010		115	
	Reversible ratchet with hinge joint, HAZET ergonomic plastic handle, chrome-plated, 20 teeth, DIN 3122, ISO 3315	53 582 011		135	
	Reversible ratchet for holding 1/4" bits with HAZET ergonomic plastic handle, chrome-plated, 20 teeth	53 582 012		115	
	Ratchet with T-handle, DIN 3122, ISO 3315	53 582 020		100	



	Description	Product number?		Overall length mm	
	Extension	53 580 051		55	
	Extension	53 580 055		150	
	Extension	53 584 051		55	
	Extension	53 584 053		97	
	Extension	53 584 055		148	
	Flexible extension	53 584 067		120	
	Extension, DIN 3123, ISO 3316, chrome-plated	53 582 050		25	
	Extension, DIN 3123, ISO 3316, chrome-plated	53 582 051		55	
	Extension, DIN 3123, ISO 3316, chrome-plated	53 582 053		101.5	
	Extension, swivelling, Swivel range 8°, chrome-plated	53 582 054		101.5	
	Extension, DIN 31232, ISO 3316, chrome-plated	53 582 055		147	
	Flexible extension, shaft with black finish"	53 582 067		150	

Manu- facturer	Description	Product number?		Overall length mm	
	Universal joint	53 580 049		37	
	Universal joint	53 584 049		37	
	Universal joint, DIN 3122, ISO 3315, chrome-plated	53 582 049		38	

	Description	Product number?		Overall length mm	
	Flexible handle with plastic grip	53 580 041		145	
	Flexible handle	53 584 041		146	
	Flexible handle with HAZET ergonomic plastic grip, chrome-plated, DIN 3122, ISO 3315	53 582 041		143	
	Sliding T-bar	53 580 042		115	
	Sliding T-bar	53 584 042		115	
	T-handle, DIN 3122, ISO 3315, chrome-plated	53 582 042		115	
	Spinner handle with 1/4" square socket connection on end of handle	53 580 043		150	
	Spinner handle with plastic grip	53 584 043		140	
	Spinner handle with TRINAMIC plastic grip, black	53 582 043		134	
	Adapter, 3/8" ext. sq. socket connector, solid, 1/4", int. sq. socket connector (hollow)	53 584 071		26	
	Adapter, 3/8" ext. sq. socket connector, 1/4" Internal square socket connection, DIN 3123, ISO 3316	53 582 071		26.5	

1/4 "

53 590 Socket set

with 1/4" square drive, made of chrome vanadium steel, chrome-plated surface



1/4 "



Set contents	53 590...	
29-piece in plastic case		
1 reversible ratchet with Primat quick release 1 flexible handle	290	
1 spinner handle with 1/4" int. sq. socket connection at end of handle		
1 55 mm extension		
1 x 150 mm extension		
1 universal joint		
11 hexagon sockets 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 and 14 mm		
5 hexagon socket bits 3 - 4 - 5 - 6 and 8 mm		
3 plain slot socket bits 0.6 x 3.5 - 1.0 x 5.5 and 1.2 x 8 mm		
4 Phillips socket bits Size 1 - 2 - 3 and 4		



53 590 290

53 596 Socket sets

Chrome vanadium steel, chrome-plated

- 1/4" square drive
- Sheet steel case with snap fasteners



1/4 "



All tools are embedded rattle free in a PUR soft foam inlay.
Final coat black, the contrast colour under that (yellow) indicates missing tools.



...420

Set contents	53 596...	
28-piece in sheet steel case	280	
Socket 4 - 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 and 13 mm, Socket bit for Allen screws 3 - 4 - 5 - 6 and 8 mm, socket bit for plain slot screws 4 - 5.5 - 6.5 mm, socket bit for Phillips screws PH 1 and PH 2, socket bit for Pozidrive screws PZ 1 and PZ 2, Cardan joint, 50 mm extension, handle with slider 115 mm, lever reversing ratchet 150 mm		
42-piece in sheet steel case	420	
Socket 4 - 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 and 14 mm, socket bit for Allen screws 3 - 4 - 5 - 6 and 8 mm, socket (deep type) 8 - 10 - 11 - 13 mm, socket bit for internal Torx screws T 10 - T 15 - T 20 - T 25 - T 30 and T 40, socket bit for Phillips screws PH 1 - PH 2 and PH 3, socket bit for plain slot screws 4 - 5.5 - 6.5 mm, Cardan joint 40 mm, 50 mm extension, 105 mm extension, handle with slider 115 mm, lever reversing ratchet 150 mm		



...280



53 591 Combination socket sets

Hexagon sockets with 1/4" and 3/8" square drive, 1/4" bits

HEYCO

1/4 "

3/8 "



53 591 001

Set contents 49 piece, in sheet steel case	53 591...	
1 lever reversing ratchet HEYCO VARICAT 1/4", 140 mm 1 extension, 1/4", 100 mm 1 Cardan joint 1/4", 35 mm 1 spinner handle 1/4", 145 mm 1 hexagon socket 1/4" each size 4 - 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 mm	001	
1 lever reversing ratchet HEYCO VARICAT 3/8", 200 mm 1 sliding T-bar 3/8", 200 mm 1 extension 3/8", 125 mm 1 extension 3/8", 250 mm 1 Cardan joint 3/8", 50 mm		
1 adapter 1/4" external, 3/8" internal, 25 mm 1 spark plug socket 3/8", AF 20.8 mm 1 spark plug socket 3/8", AF 5/8 1 hexagon socket 3/8" each size		
10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 21 - 22 mm 1 connector for 1/4" square bits, with 1/4" hexagon socket, 25 mm 1 connector for 3/8" square bits, with 1/4" hexagon socket, 30 mm 1 screwdriver blade bit 1/4" each for plain slot screws size 0.5 x 3 - 0.6 x 3.5 - 0.8 x 4 - 1.0 x 5.5 1.2 x 6.5 - 1.2 x 8 mm		
1 screwdriver blade bit 1/4" each for Allen screws size 3 - 4 - 5 - 6 - 8 mm 1 screwdriver blade bit 1/4" each for PHILIPS screws, Size 1 - 2 - 3 1 screwdriver blade bit 1/4" for POZIDRIVE screws, Size 2		

53 594 Socket sets

with hexagon sockets 1/4" square drive, chrome vanadium steel, chrome-plated

GEDORE

1/4 "



53 594 160

Set contents	53 594...	
16-piece, in plastic case 1 reversible ratchet 1 sliding T-bar 1 97 mm extension 1 square handle 1 universal joint 1 hexagon socket each size 4 - 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 13 mm	160	
32-piece in plastic case 1 reversing ratchet, 1 sliding T-bar, 1 square handle, 1 x 55 mm extension, 1 x 148 mm extension, 1 universal joint, 1 hexagon socket each size 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 mm, 1 hexagon socket bit each size 3 - 4 - 5 - 6 - 8 mm, 1 plain slot socket bit each size 4 - 5.5 - 6.5 - 8 mm, 1 Phillips socket bit each size 1 - 2 - 3, 1 Pozidrive socket bit each size 1 - 2 - 3	320	

1/4 "

53 592 Socket sets with hexagon sockets, 6.3 = 1/4" square drive, chrome vanadium steel, chrome-plated, polished, all tools embedded, rattle free, in PUR soft foam inlay



1/4 "



53 592 140



53 592 145



53 592 200



53 592 290

Set contents	53 592...	
14-piece in plastic case , 1 T-handle, 1 x 55 mm extension, 1 x 147 mm extension, 1 spinner handle, 1 hexagon socket each size 4 - 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 and 11 mm	140	
14-piece in plastic case , 1 reversible ratchet, 1 sliding T-bar, 1 spinner handle, 1 x 55 mm extension, 1 x 147 mm extension, 1 universal joint, 1 hexagon socket each: American sizes 3/16 - 7/32 - 1/4 - 9/32 - 5/16 - 11/32 - 3/8 - 7/16	145	
20-piece in plastic case , 1 reversible ratchet, 1 flexible handle, 1 sliding T-bar, 1 spinner handle, 1 x 55 mm extension, 1 x 147 mm extension, 1 universal joint, 1 hexagon socket each size: 4 - 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 and 14 mm	200	
30-piece in plastic box , 1 reversible ratchet, 1 sliding T-bar, 1 spinner handle, 1 x 55 mm extension, 1 x 147 mm extension, 1 universal joint, 1 hexagon socket each size: 4 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 and 14 mm, 1 hexagon (Allen screw) socket bit 3 - 4 - 5 - 6 and 8 mm, 1 plain slot socket bit each size 0.6 x 3.5 - 1.0 x 5.5 and 1.2 x 8 mm, 1 Phillips socket bit each size 1 - 2, 1 Pozidrive socket bit each size 1 - 2	290	



53 598 INOX socket set

- Up to **30% higher static load capacity** (peak load) in the HINOX range than comparable products of competitors
- Up to **3 times higher durable load bearing capacity** (dynamic stress) – longer tool lives
- HINOX tool range without surface coating**
No allergic reactions due to chemical coatings



1/4 "



stainless steel

Rustproof material through and through due to homogeneous component design.

All components, e.g. of the reversible ratchet are 100% made of stainless steel: Ratchet casing, ratchet wheel, pawl, lock, cover plate, screws, springs, balls (only forward/reverse lever and grip part of handle made of plastic)

For use on stainless steel components

Exclusive use of stainless steel screws and components with the stainless steel tool prevents rust from forming on the high-quality parts during installation due to attrition. The corrosion caused by attrition that occurs with standard steels does not apply.

For high-end applications in:

- Industry
- Car/utility vehicle sector
- Aviation engineering
- Laboratory equipment
- Medical engineering
- Food industry
- Ship building/ Dockyards/ Nautical sector

All tools made of stainless steel



53 598 240

Set contents	53 598...	
24-piece		
Hexagon sockets 850 X-4 4.5 5 5.5 6 7 8 9 10 11 12 13 14 mm, screwdriver bits for Allen screws 8501 X-3 4 5 6 8 mm, reversible ratchet, T-handle, spinner handle, universal joint, 55 and 147 mm extensions	240	



53 604 Sockets

DIN 3124, Hexagon, with 10 = 3/8" square drive,
Chrome vanadium steel, chrome-plated, ground



53 604...

53 602 Sockets

Hexagon, with traction profile, 10 = 3/8" square drive, chrome
vanadium steel, chrome-plated, polished, good grip, knurled



53 602...

Socket size mm	53 604... Primat		53 602... HAZET		Primat Size Length x Ø	HAZET Size Length x Ø
6	397		097		26 x 10	24 x 10
7	409		109		26 x 11	24 x 10.5
8	415		115		26 x 12	24 x 11.8
9	421		121		26 x 13	24 x 13
10	427		127		26 x 14.5	25 x 14.4
11	439		139		26 x 16	26 x 15.8
12	445		145		26 x 17	27 x 17
13	454		154		26 x 19	27.5 x 18.7
14	463		163		30 x 20	29.5 x 19.5
15	475		175		30 x 21	29.5 x 20.9
16	478		178		30 x 23	29.5 x 22.1
17	487		187		30 x 24	29.5 x 23.3
18	493		193		30 x 24	31.5 x 24.8
19	499		199		30 x 26	31.5 x 25.8
20	505		205		30 x 28	31.5 x 26.8
21	508		208		30 x 29	31.5 x 28.3
22	514		214		30 x 30	34 x 29.6

53 603 Sockets

Bi-hexagon, traction profile, 10 = 3/8" square drive, Chrome
vanadium steel, chrome-plated, polished, good grip, knurled



53 603...

Socket size mm	53 603...		Overall length mm	Ø mm	Engagement depth mm
9	121		24	13	6.2
10	127		25	14.4	7.2
11	139		26	15.8	8.2
12	145		27	17	9.2
13	154		27.5	18.7	9.7
14	163		29.5	19.5	11.7
15	175		29.5	20.9	11.7
17	187		29.5	23.3	11.7
19	199		31.5	25.8	13.5
22	214		34	29.6	16

3/8 "

53 606 Sockets, inch sizes

Bi-hexagon (12 point), 3/8" square drive, chrome vanadium steel, chrome-plated, polished



3/8 "



Socket size inch	53 606...		Overall length mm	Ø mm
1 / 4	143		26	17
5 / 16	149		26	17
3 / 8	155		26	17
7 / 16	158		26	17
1 / 2	161		26	19
9 / 16	164		30	19
5 / 8	173		30	21
11 / 16	179		30	21
3 / 4	185		30	22



53 606...

Inch sizes

53 609 "Gripper" socket

for hexagon screws, 3/8" drive square, 54 steel pins automatically adapt to every nut or hexagon drive, an exclusive round pin design protects screws heads against damage, each pin has spring mounting with massive backstop to give the screw or nut precise hold



3/8 "



Socket size mm	53 609...		Overall length mm
7 - 19	001		53.5



53 609...

Socket width of
7 - 19 mm**53 613 Socket, deep**

DIN 3124, bi-hexagon (12 point), with 3/8" square drive, deep type, chrome vanadium steel, chrome-plated, polished



3/8 "



AF mm	53 613...		Overall length mm	Ø mm	Engagement depth mm
10	127		54	14.4	10
11	139		54	15.8	11
12	145		54	17	11
13	154		54	18.4	12
14	163		54	19.5	15
15	175		60	20.8	15
16	178		60	21.8	16
17	187		60	23	16
18	193		66	24.4	20
19	199		66	25.5	20
22	214		70	29.6	22



53 613...

53 632 TORX® sockets

3/8" square drive, chrome vanadium steel, for external Torx® screws, chrome-plated, polished



3/8 "



Size mm	53 632...		Overall length mm	TORX® mm	External Ø mm
E 5	085		28	4.74	7
E 6	097		28	5.74	8
E 7	109		28	6.22	9
E 8	115		28	7.52	10.5
E 10	127		28	9.42	13
E 11	139		28	10.08	14
E 12	145		28	11.17	14.9
E 14	163		28	12.90	16.5



53 632...



53 638 TORX® sockets

3/8" square drive, chrome vanadium steel, chrome-plated, polished, good grip, knurled for manual use on **external Torx® screws**



3/8 "



53 638 115

Size	53 638...		TORX® mm	Overall length mm	Ø mm
E 8	115		7.52	28	17.0
E 10	127		9.42	28	17.0
E 11	139		10.08	28	17.0
E 12	145		11.17	28	17.0
E 14	163		12.90	28	18.5

53 642 Socket bit

3/8" square drive, chrome vanadium steel, for **hexagon screws** (Allen screws), chrome-plated, blade steel grey



3/8 "



53 642 043

Socket size mm	53 642...		Overall length mm	Ø mm	Blade length mm
3	043		50	17	23.5
4	064		55	17	28.5
5	085		60	17	33.5
6	097		65	17	38.5
7	109		70	19	43.5
8	115		75	19	48.5
9	121		80	19	52.5
10	127		85	19	57.5
12	145		90	19	64.5

53 652 TORX® socket bits

3/8" square drive, for **internal Torx screws**, chrome vanadium steel, chrome-plated, blade steel grey



3/8 "



53 652...

Size	53 652...		TORX® mm	Overall length mm	Ø mm
T 15	375		3.27	46	19
T 20	405		3.86	46	19
T 25	432		4.43	46	19
T 27	438		4.99	46	19
T 30	453		5.52	46	19
T 40	476		6.65	46	19

53 658 TORX® sockets

3/8" square drive, chrome vanadium steel, chrome-plated, polished, good knurled grip, for **internal Torx® screws**



3/8 "



53 658 205

Size	53 658...		TORX® mm	Length mm	Ø mm
T 20	205		3.86	43.5	19
T 25	232		4.43	43.5	19
T 27	238		4.99	43.5	19
T 30	253		5.52	43.5	19
T 40	276		6.65	43.5	19
T 45	284		7.82	43.5	19
T 50	292		8.83	44.5	19

3/8 "

53 684 Ratchets and accessories

with 3/8" square drive, made of chrome vanadium steel, chrome-plated, ground



3/8 "

**53 690 Ratchet and accessories**

ergonomically shaped, with quick turn retention wheel (SDR wheel) for quick locking, heavy duty (at least 50 % above DIN), shockproof plastic handle, with hang hole



3/8 "

53 682 Ratchets and accessories

with 3/8" square drive, chrome vanadium steel, chrome-plated, polished



3/8 "

Ratchets and accessories

	Description	Product number		Overall length mm	
	Reversible ratchet, fine-toothed, with plastic handle	53 684 103		200	
	Lever reversible ratchet with quick-turn retention wheel, plastic handle	53 690 001		200	
	Reversible ratchet with 30 teeth, with HAZET ergonomic plastic handle, DIN 3122, ISO 3315	53 682 001		199	
	Composite reversible ratchet with 30 teeth, with quick release safety connection, one-hand forward/reverse button in handle, DIN 3122, ISO 3315	53 682 003		200	
	Fine toothed reversing ratchet with 72 teeth, 5° angle of rotation, with HAZET ergonomic plastic handle, DIN 3122, ISO 3315	53 682 005		200	
	Reversible ratchet with 30 teeth, with HAZET ergonomic plastic handle, with hinged joint, long type	53 682 011		276	

	Description	Product number		Overall length mm	
	Extension	53 684 154		125	
	Extension	53 684 158		250	
	Extension, DIN 3123, ISO 3316	53 682 051		36	
	Extension, DIN 3123, ISO 3316	53 682 052		74	
	Extension, DIN 3123, ISO 3316	53 682 054		126	
	Extension, DIN 3123, ISO 3316	53 682 055		150	
	Extension, DIN 3123, ISO 3316	53 682 057		202	
	Extension, DIN 3123, ISO 3316	53 682 058		254	
	Extension, DIN 3123, ISO 3316	53 682 059		304	
	Extension, DIN 3123, ISO 3316	53 682 063		508	
	Swivelling extension, swivel angle 8°	53 682 060		74	
	Swivelling extension, swivel angle 8°	53 682 061		254	
	Flexible extension, black-finished shaft	53 682 068		210	



	Description	Product number		Overall length mm	
	Universal joint	53 684 149		52	
	Universal joint	53 682 049		46.5	

	Description	Product number		Overall length mm	
	Sliding T-bar	53 684 142		160	
	T-handle, DIN 3122, ISO 3315	53 682 042		198	
	Flexible handle with HAZET ergonomic plastic handle, DIN 3122, ISO 3315	53 682 041		250	
	Spinner handle with TRINAMIC ip handle,	53 682 043		137	
	Speed brace, DIN 3122, ISO 3315 with HAZET ergonomic plastic handle	53 682 044		420	
	Adapter, 3/8" square, hollow, 1/2" square, solid	53 684 160		36	
	Adapter, 3/8" square, hollow, 1/4" square, solid	53 684 162		29	
	Adapter, with 1/2" external square, 3/8" internal square, DIN 3123, ISO 3316	53 682 074		36	
	Adapter, with 1/4" external square, 3/8" internal square, DIN 3123, ISO 3316	53 682 075		26	

53 691 Socket sets

HEYCO

with hexagon or bi-hexagon sockets, 3/8" square drive, chrome vanadium steel, chrome-plated, polished

3/8 "

Set contents	53 691...	
15-piece, in metal case 225 x 115 x 40 mm 1 push-through ratchet 1 Cardan joint 1 x 125 mm extension 12 bi-hexagon (12 point) sockets 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 and 19 mm	150	
23-piece, in metal case 407 x 162 x 52 mm 1 push-through ratchet 1 handle with slider 1 x 75 mm extension 1 x 250 mm extension 1 Cardan joint 1 spark plug socket 20.8 mm, (13/16") 1 spark plug socket 16 mm, (5/8") 5 hexagon socket bits 4, 5, 6, 8, 10 mm 11 bi-hexagon (12 point) sockets 8, 10, 11, 12, 13, 14, 15, 16, 17, 18 and 19 mm	230	
39-piece, in metal case 407 x 162 x 52 mm 1 push-through ratchet 1 handle with slider 1 x 75 mm extension 1 x 250 mm extension 1 Cardan joint 1 spark plug socket 20.8 mm, (13/16") 1 spark plug socket 16 mm, (5/8") 1 bit holder with 1/4" mounting 225 mm 17 sockets 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21 and 22 mm 3 insert bits 1/4" for plain slot screws 4, 6, 8 mm 4 insert bits 1/4" for hexagon screws (Allen screws) 4, 5, 6, 8 mm 3 insert bits 1/4" for Phillips screws 1, 2, 3 3 insert bits 1/4" for Pozidrive screws 1, 2, 3 1 adapter 1/4" with 3/8" drive	390	



...150



...230



...390



3/8 "

53 692 Socket sets

with hexagon or bi-hexagon sockets, 10=3/8" square drive, chrome vanadium steel, chrome-plated, polished ...210 and ...310 with PUR soft foam inlay for rattle-free embedding of the tools.



3/8 "



...210



...320



...580

Set contents	53 692...	
21-piece, in plastic case 1 reversing ratchet, 1 universal joint, 1 x 126 mm extension, 1 spark plug socket 20.8 mm (13/16"), 1 spark plug socket 16 mm (5/8"), 1 hexagon socket each size 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 21 and 22 mm	210	
32-piece, in plastic case 1 reversing ratchet, 1 T-handle, 1 universal joint, 1 x 74 mm extension, 1 x 126 mm extension, 1 x 254 mm extension, 1 hexagon socket each size 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 21 and 22 mm, 1 hexagon socket bit each size 4 - 5 - 6 - 8 mm, 1 plain slot socket bit each size 1 x 5.5 - 1.2 x 8 and 1.6 x 10 mm, 1 Phillips socket bit each size 1 - 2 and 3	320	
58-piece, in metal case 1 reversing ratchet, 1 speed brace, 1 spinner handle, 1 flexible handle, 1 sliding T-bar, 1 universal joint, 1 extension each size 74 - 150 - 202 and 304 mm, 1 flexible extension 210 mm, 1 adapter 3/8" square - hollow, 1/2" square - solid, 1 hexagon socket each size 6 - 7 & 8 mm, 1 bi-hexagon socket each size 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 and 22 mm, 1 bi-hexagon socket insert extra deep each size 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 and 22 mm, 1 hexagon socket bit each size 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 and 12 mm, 1 plain slot socket bit each size 1x 5.5 - 1.2 x 8 and 1.6 x 10 mm, 1 Phillips socket bit each size 2 - 3 and 4	580	

53 694 Socket sets

with hexagon sockets, 3/8" square drive,
Chrome vanadium steel, chrome-plated, ground



3/8"



...170



...230

Set contents	53 694...	
17-piece, in sheet steel case 1 lever reversing ratchet, 1 sliding T-bar, 1 x 125 mm extension, 1 x 250 mm extension, 1 universal joint, 1 hexagon socket each size 6 - 7 - 8 - 9 - 10 - 11 - 13 - 14 - 15 - 16 - 17 - 19 mm	170	
23-piece, in sheet steel case 1 lever reversing ratchet, 1 sliding T-bar, 1 x 125 mm extension, 1 x 250 mm extension, 1 universal joint, 1 offset handle, 1 hexagon socket each size 6 - 7 - 8 - 9 - 10 - 11 - 13 - 14 - 15 - 16 - 17 18 - 19 - 20 - 21 - 22 mm	230	



53 695 TORX® tool sets

Chrome vanadium steel, chrome-plated, in black plastic case with PUR soft foam insert for rattle-free bedding of the tools



3/8 "



...210



...320



...580



Set contents	53 695...	
21-piece Square drive, nominal size = 3/8" Reversing ratchet, sliding T-bar, universal joint, 74 mm and 150 mm extensions 1 external Torx screw sockets each size: E 5, E 6, E 7, E 8, E 10, E 11, E 12, E 14 1 internal Torx screw sockets each size: T 15, T 20, T 25, T 27, T 30, T 40, T 45, T 50	210	
32-piece 2 screwdriver bits for internal Torx screws, hexagon drive, each Nominal size 6.3 = 1/4": T 6, T 7, T 8, T 9, T 10, T 15, T 20, T 25, T 27, T 30 2 sockets for internal Torx screws, hexagon drive, each Nominal size 8 = 5/16": T 40, T 45, T 50, T 55 1 connector each: Hexagon drive 6.3 = 1/4" - square drive 6.3 = 1/4" Hexagon drive 6.3 = 1/4" - square drive 10 = 3/8" Hexagon drive 8 = 5/16" - square drive 10 = 3/8" Hexagon drive 8 = 5/16" - square drive 12.5 = 1/2"	320	
58-piece Reversing ratchet for bits hexagon drive nominal size 6.3 = 1/4" 1 double-end ring spanner each internal Torx screws size: E 6 x E 8, E 10 x E 12, E 14 x E 18, E 20 x E 24 1 screwdriver each internal Torx screws size: T 6, T 7, T 8, T 9, T 10, T 15, T 20, T 25, T 27, T 30 1 socket each, square drive Nominal size 6.3 = 1/4" external Torx screws: E 4, E 5, E 6, E 7, E 8 1 socket each, square drive Nominal size 10 = 3/8" external Torx screws: E 10, E 11, E 12, E 14 1 socket bit each square drive nominal size 10 = 3/8" internal Torx screws: T 40, T 45 1 socket each, square drive Nominal size 12.5 = 1/2" external Torx screws: E 16, E 18, E 20, E 24 1 socket bit each square drive nominal size 12.5 = 1/2" internal Torx screws: T 50, T 55, T 60 1 hexagon key (Allen key) each internal Torx screws size: T 6, T 7, T 8, T 9, T 10, T 15, T 20, T 25, T 27, T 30, T 40 1 socket bit each hexagon drive nominal size 6.3 = 1/4" internal Torx screws from size 7 with pivot guide: T 6, T 7 H, T 8 H, T 9 H, T 10 H, T 15 H, T 20 H, T 25 H, T 27 H, T 30 H, T 40 H 1 socket bit each hexagon drive nominal size 6.3 = 1/4" internal Torx screws deep type: T 25 1 connector each: Hexagon drive 6.3 = 1/4" - square drive 6.3 = 1/4" Hexagon drive 6.3 = 1/4" - square drive 10 = 3/8"	580	

1/2 "

53 700 Sockets

Hexagon, DIN 3124, with 12.5 = 1/2" square drive, chrome vanadium steel, chrome-plated, polished, knurled



1/2 "



53 700...

53 704 Sockets

DIN 3124, hexagon, with 1/2" square drive, chrome vanadium steel, chrome-plated, ground



1/2 "



53 704...

53 702 Sockets

Hexagon, with traction profile, DIN 3124, ISO 2725, 12.5 = 1/2" square drive, chrome vanadium steel, chrome-plated, polished, good grip, knurled



1/2 "



53 702...

Socket size mm	53 700...		53 704...		53 702...		53 700... Size Length x Ø	53 704... Size Length x Ø	53 702... Size Length x Ø
8	115		115		115		38x12	38x13	38x12
9	121		121		121		38x13.5	38x14.2	38x13.5
10	127		127		127		38x11	38x15.5	38x14.9
11	139		139		139		38x11	38x16.7	38x16.4
12	145		145		145		38x11	38x18	38x17.5
13	154		154		154		38x11	38x19.2	38x18.8
14	163		163		163		38x12	38x20.5	38x20.3
15	175		175		175		38x12.5	39.5x21.7	38x21.5
16	178		178		178		38x13.5	39.5x22.5	38x22.7
17	187		187		187		38x13.5	39.5x24.2	38x24.1
18	193		193		193		38x14.5	39.5x25.5	38x25.4
19	199		199		199		38x15	40x26.7	38x26.6
20	205		205		205		38x15.5	40x28	38x27.8
21	208		208		208		38x15.5	41.5x29.2	38x29
22	214		214		214		38x18	41.5x30.5	41.5x30.4
23	220		220		220		38x18.5	41.5x31.7	41.5x31.4
24	223		223		223		38x21	41.5x33	44x32.6
25	-	-	232		232		-	41.5x34.2	44x33.9
26	-	-	235		235		-	41.5x35.5	44x35.1
27	238		238		238		43x23	41.5x36.7	46x36.2
28	-	-	247		247		-	43x38	47x37.5
29	-	-	250		250		-	43x39.2	50x38.7
30	253		253		253		43x26.5	43x40.5	50x40.1
32	262		262		262		43x27	44.5x43	50x42.3
34	-	-	267		-	-	-	44.5x45	-



53 701 Sockets

Bi-hexagon, DIN 3124, with 12.5 = 1/2" square drive, chrome vanadium steel, chrome-plated, polished, knurled



1/2 "



53 701...

53 705 Sockets

DIN 3124, bi-hexagon, with 1/2" square drive, chrome vanadium steel, chrome-plated, ground



1/2 "



53 705...

53 703 Sockets

Bi-hexagon, with traction profile, DIN 3124, ISO 2725, 12.5 = 1/2" square drive, chrome vanadium steel, chrome-plated, polished, good grip, knurled



1/2 "



53 703...

Socket size mm	53 701...		53 705...		53 703...		53 701... Size Length x Ø	53 705... Size Length x Ø	53 703... Size Length x Ø
8	115		115		115		38x12	38x13	38x12
9	121		121		121		38x13.5	38x14.2	38x13.5
10	127		127		127		38x11	38x15.5	38x14.9
11	139		139		139		38x11	38x16.7	38x16.4
12	145		145		145		38x11	38x18	38x17.5
13	154		154		154		38x11	38x19.2	38x18.8
14	163		163		163		38x12	38x20.5	38x20.3
15	175		175		175		38x12.5	39.5x21.7	38x21.5
16	178		178		178		38x13.5	39.5x22.5	38x22.7
17	187		187		187		38x13.5	39.5x24.2	38x24.1
18	193		193		193		38x14.5	39.5x25.5	38x25.4
19	199		199		199		38x15	40x26.7	38x26.6
20	205		205		205		38x15.5	40x28	38x27.8
21	208		208		208		38x15.5	41.5x29.2	38x29
22	214		214		214		38x18	41.5x30.5	41.5x30.4
23	220		220		220		38x18.5	41.5x31.7	41.5x31.4
24	223		223		223		38x21	41.5x33	44x32.6
25	-	-	232		232		-	41.5x34.2	44x33.9
26	-	-	235		235		-	41.5x35.5	44x35.1
27	238		238		238		43x23	41.5x36.7	46x36.2
28	-	-	247		247		-	43x38	47x37.5
29	-	-	250		250		-	43x39.2	50x38.7
30	253		253		253		43x26.5	43x40.5	50x40.1
32	262		262		262		43x27	44.5x43	50x42.3

1/2 "

53 706 Sockets, inch sizes

bi-hexagon, with 1/2" square drive, made of chrome vanadium steel, chrome-plated, polished



1/2 "



53 706...

Inch sizes

Socket size inch	53 706...		Overall length mm	Ø mm
3 / 8	001		40	22.5
7 / 16	003		40	22.5
1 / 2	005		40	22.5
9 / 16	007		40	22.5
19 / 32	009		40	23
5 / 8	011		40	23
11 / 16	013		40	23
3 / 4	015		40	23
25 / 32	017		40	23
13 / 16	019		40	23
7 / 8	021		40	24
15 / 16	023		43	26
1	025		43	28
1 1/6	027		43	29
1 1/8	029		43	31
1 1/4	031		43	31

53 713 Sockets, long

Bi-hexagon, with traction profile, DIN 3124, 12.5 = 1/2" square drive, long type, 85 mm, chrome vanadium steel, chrome-plated, polished, good grip, knurled



1/2 "



53 713...

Socket size mm	53 713...		Overall length mm	Ø mm	Engagement depth mm
10	127		85	14.9	10
11	129		85	16.4	11
12	145		85	17.5	11
13	154		85	18.8	12
14	163		85	19.9	15
15	175		85	21.5	15
16	178		85	22.7	15
17	187		85	24.1	15
18	193		85	24.6	15
19	199		85	26.8	18
20.8	207		85	28.5	18
21	208		85	28.6	18
22	214		85	30.4	21
24	223		85	32.6	24
27	238		85	36.3	27
30	253		85	40.1	30

53 732 TORX® sockets

for external Torx® screws, 12.5" = 1/2" square drive, chrome vanadium steel, chrome-plated, polished

1/2 "



53 732...

Size	53 732...		TORX® mm	Overall length mm	Ø mm
E 10	127		9.42	38	13.3
E 11	139		10.8	38	14
E 12	145		11.17	38	14.9
E 14	163		12.90	38	19
E 16	178		14.76	38	19
E 18	193		16.70	38	21
E 20	205		18.49	38	23.5
E 24	223		22.16	41	28.8

53 734 TORX® sockets

for external Torx® screws, 12.5" = 1/2" square drive, chrome vanadium steel, chrome-plated, polished, good knurled grip, for manual use



1/2 "



53 734...

Size	53 734...		TORX® mm	Overall length mm	Ø mm
E 10	127		9.42	38.0	22
E 11	139		10.08	38.0	22
E 12	145		11.17	38.0	22
E 14	163		12.90	38.0	22
E 16	178		14.76	38.0	22
E 18	193		16.70	38.0	27
E 20	205		18.49	38.0	27
E 24	223		22.16	41.2	27



53 736 Sockets

for triangle head screws in Ex. and Sch. units, with 1/2" square drive, chrome vanadium steel



1/2 "



For size	53 736...		Overall length mm	Ø mm
M 5	085		35	25
M 6	097		35	25
M 8	115		35	25
M 10	127		35	25
M 12	145		35	25
M 20	205		45	40



53 736...

53 742 Socket bits

Chrome vanadium steel, 12.5 = 1/2" square drive for hexagon socket head cap screws (Allen screws), chrome-plated, blades made of special steel, DIN 7422, good grip, knurled



1/2 "



Socket size mm	53 742...		Overall length mm	Ø mm
4	064		38	22
5	085		38	23
6	097		38	23
8	115		38	23
10	127		40	25
12	145		40	25
14	164		40	25
17	187		42	28
19	199		42	28



53 742...

53 745 Socket bits

for Allen screws, 12.5 = 1/2" square drive, chrome vanadium steel, chrome-plated, steel grey blade



1/2 "



Socket size mm	53 745...		Overall length mm
4	065		55
5	086		55
5	087		180
6	098		55
6	099		100
7	109		55
7	110		100
8	116		55
8	117		80
8	118		120
10	128		55
10	129		140
12	146		55
12	147		140
14	164		55
14	165		140
17	188		70
19	200		70



...065



...087



...129

53 748 Socket bits, inch sizes

for Allen screws, 12.5 = 1/2" square drive, chrome vanadium steel, chrome-plated, blades made of special steel, good grip, knurled, American sizes



1/2 "



Socket size inch	53 748...		Overall length mm	Ø mm
5 / 32	034		52	23
3 / 16	037		52	23
7 / 32	040		52	23
1 / 4	043		52	23
5 / 16	049		52	23
3 / 8	055		52	23
7 / 16	058		52	23
1 / 2	061		52	23



53 748...

1/2 "

53 746 Socket bits

for Allen screws, 12.5 = 1/2" square drive,
chrome vanadium steel, chrome-plated, blades made of special steel,
DIN 7422, good grip, knurled



1/2 "



Socket size mm	53 746...		Overall length mm	Ø mm
4	065		60	23
5	086		60	23
5	087		180	23
6	098		60	23
6	099		137	23
6	100		160	23
7	109		60	23
7	110		100	23
8	116		60	23
8	117		80	24.6
8	118		119	23
10	128		60	23
10	129		141	24.6
12	146		60	24.6
14	164		60	24.6



53 746...

53 749 Socket bits

for Allen screws, 1/2" square drive,
Chrome vanadium steel, chrome-plated, black-finished blade



1/2 "



Set contents	53 749...	
12-piece, in sheet steel case 1 sliding T-bar, 1 reversing ratchet 1 x 123 mm extension 1 x 248 mm extension 1 socket bit each size 5 - 6 - 8 - 10 - 12 - 14 - 17 - 19 mm	390	



53 749 390

53 750 Socket bits

9-piece, for Allen screws, 1/2" square drive, chrome vanadium steel,
chrome-plated, steel grey blade, in metal box

1/2 "



Set contents	53 750...	
1 hexagon socket bit each size: 4 - 5 - 6 - 7 - 8 - 10 - 12 - 14 - 17 mm	901	



53 750 901

53 752 TORX ® socket bit

for internal Torx screws, 1/2" square drive,
chrome vanadium steel, chrome-plated, steel grey blade



1/2 "



Size	53 752...		TORX® mm	Overall length mm	Ø mm
T 20	205		3.86	55	23
T 25	232		4.43	55	23
T 27	238		4.99	55	23
T 30	253		5.52	55	23
T 40	276		6.65	55	23
T 45	279		7.82	55	23
T 45	281		7.82	120	23
T 50	283		8.83	55	23
T 55	286		11.22	55	23
T 55	287		11.22	140	23
T 60	289		13.25	55	23



...205



...281



...287

also available in
extra-long lengths



53 753 TORX® socket bits

for **internal Torx® screws**, 12.5" = 1/2" square drive,
chrome vanadium steel, chrome-plated, good knurled grip,



1/2 "



53 753...

Size	53 753...		TORX® mm	Length mm	Ø mm
T 20	205		3.86	55	23.0
T 25	232		4.43	55	23.0
T 27	238		4.99	55	23.0
T 30	253		5.52	55	23.0
T 40	276		6.65	55	23.0
T 45	279		7.82	55	23.0
T 50	283		8.83	55	23.0
T 55	286		11.22	56	24.6
T 60	289		13.25	56	24.6

53 755 TORX® T and E combination set

16-piece, socket bits 1/2" square drive for **internal TORX® screws** and
sockets for external TORX® screws, chrome vanadium steel, polished,
chrome-plated, phosphated blades, in metal case

1/2 "



53 755 001

Set contents	53 755...	
1 TORX socket bit each size T 25 - T 27 - T 30 - T 40 - T 45 - T 50- T 55 - T 60	001	
1 TORX socket each size E 10 - E 11 - E 12 - E 14 - E 16 - E 18 - E 20 - E 24		

53 762 Socket bits

for **internal triple square screws (XZN)**, 1/2" square drive,
chrome vanadium steel, chrome-plated, steel grey blade

1/2 "



53 762...

For screws mm	53 762...		Overall length mm	Ø mm
M 5	085		52	23
M 6	097		52	23
M 8	115		53	23
M 8	116		100	23
M 10	127		53	23
M 10	128		120	23
M 12	145		55	23
M 12	146		140	23
M 14	163		58	23

53 772 Socket bits

for **plain slot screws**, 1/2" square drive, chrome vanadium steel,
chrome-plated, special steel blade, steel grey



1/2 "



53 772...

Blade width mm	53 772...		Blade thickness mm	Overall length mm
8	115		1.2	55
10	127		1.6	55
12	145		2	55
14	163		2.5	55
16	178		2.5	55

53 775 Socket bits

for **Phillips screws**, 1/2" square drive, chrome vanadium steel,
special steel blade, steel grey



1/2 "



53 775...

Size	53 775...		for screws	Overall length mm
2	013		M 3.5 - M 5	56
3	016		M 6	56
4	019		M 8 - M 10	56



1/2 "

53 780 Ratchets and accessories

with 1/2" square drive, chrome vanadium steel, chrome-plated, polished



1/2 "

**53 781 Ratchets and accessories**

ergonomically shaped, with quick turn retention wheel (SDR wheel) for quick locking, heavy duty (at least 50 % above DIN), comfortable to hold high-gloss finish, plastic handle, shockproof with hang hole



1/2 "

53 784 Ratchets and accessories

with 1/2" square drive, made of chrome vanadium steel, chrome-plated, ground, with ball locking device



1/2 "

53 782 Ratchets and accessories

with 12.5 = 1/2" square drive, chrome vanadium steel, chrome-plated, polished



1/2 "

	Description	Product number		Overall length mm	
	Reversing ratchet with quick release and plastic handle	53 780 001		250	
	Reversing ratchet with double square (8 point) and plastic handle	53 780 020		265	
	Lever reversing ratchet with quick turn retention wheel, and plastic handle, heavy duty (loading capacity at least 50% above DIN), Chrome vanadium steel, chrome-plated, high-gloss polish	53 781 001		275	
	Fine screw ratchet, "Talenta" as above; however, produced independent of the standards, 16 % lower overall height, 28 % shorter and 55 % less weight	53 777 070		200	
	Lever reversible ratchet with plastic handle	53 784 001		270	
	Reversible ratchet, fine-toothed, with plastic handle	53 784 005		270	
	Reversible ratchet with pushbutton release, fine toothing, 2 component handle, non-slip with hang hole	53 784 007		270	
	Hinge-jointed reversing ratchet, finely toothed, 180° swivelling	53 784 011		282	
	Gear-tooth ratchet, with push-through square, finely toothed, with plastic handle	53 784 015		270	
	Plastic ratchet for fast, sensitive tightening of threaded connections up to max. 70 Nm. Particularly handy and compact. High-strength composite material with steel technology. Colour: black	53 784 017		145	
	Reversible ratchet, 32 teeth, with HAZET ergonomic plastic handle, DIN 3122, ISO 3315	53 782 001		275	
	Fine-toothed reversible ratchet, 72 teeth, angle of rotation 5°, with HAZET ergonomic plastic handle, DIN 3122, ISO 3315	53 782 005		260	
	"Composit" reversing ratchet with shockproof plastic housing, with integrated steel slugs, chrome-plated, ergonomically designed, ratchet wheel (32 teeth) smooth running due to long leaf springs, easy to interchange parts thanks to composite construction, with one-hand reverse/forward button in handle, DIN 3122 (ISO 3315) and quick release button for push-in tools	53 782 012		275	



	Description	Product number		Overall length mm	
	Extension	53 780 051		75	
	Extension	53 780 054		125	
	Extension	53 780 058		250	
	Extension	53 784 052		76	
	Extension	53 784 054		125	
	Extension	53 784 058		250	
	Extension, DIN 3123, ISO 3316	53 782 052		76	
	Extension, DIN 3123, ISO 3316	53 782 055		123	
	Extension, DIN 3123, ISO 3316	53 782 058		248	
	Extension, 8° swivelling	53 782 060		123	
	Extension, 8° swivelling	53 782 062		248	

	Description	Product number		Overall length mm	
	Universal joint	53 780 049		75	
	Universal joint	53 784 049		73.5	
	Universal joint, DIN 3123, ISO 3316	53 782 049		70	

	Description	Product number		Overall length mm	
	Flexible handle with plastic grip	53 780 041		250	
	Flexible handle	53 784 040		255	
	Hinge-jointed handle with HAZET ergonomic plastic handle, DIN 3122, ISO 3315	53 782 040		396	
	Hinge-jointed handle with HAZET ergonomic plastic handle, DIN 3122, ISO 3315	53 782 041		472	
	Combination sliding handle can be used as extension as adapter from 3/8" to 1/2"	53 780 042		250	
	Sliding T-bar	53 784 042		292	
	T-handle, DIN 3122, ISO 3315	53 782 042		298	
	Speed brace	53 784 044		395	
	Speed brace, DIN 3122, ISO 3315 with HAZET ergonomic plastic handle	53 782 044		415	
	Through-square	53 784 029		37.8	
	Adapter 1/2" square hollow, 3/8" Solid square	53 784 074		38.5	
	Adapter 1/2" square hollow, 3/4" Solid square	53 784 075		44	
	Adapter, 3/8" ext. sq. socket connector, 1/2" Internal square, DIN 3123, ISO 3316	53 782 074		36	
	Adapter, 3/4" external square, 1/2" Internal square, DIN 3123, ISO 3316,	53 782 075		50	

1/2 "

53 786 Combination socket and spanner set

with 1/2" square drive, chrome vanadium steel, chrome-plated, polished

HEYCO

1/2 "



Set contents 27 piece, in sheet steel case	53 786...	
1 lever reversing ratchet HEYCO VARICAT, 275 mm 1 x 125 mm extension 1 Cardan joint, 80 mm 1 bi-hexagon socket each 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 21 - 22 mm 1 combination socket each, HEYCO MAXLINE with special durable "Schonprofil" 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 21 - 22 mm	001	



53 786 001

53 788 Socket set

with 1/2" square drive, chrome vanadium steel, polished, chrome-plated, phosphated blades

HEYCO

1/2 "



Set contents 32 piece, in sheet steel case	53 788...	
1 lever reversing ratchet HEYCO VARICAT, 275 mm 1 sliding T-bar, 300 mm 1 x 75 mm extension 1 x 125 mm extension 1 x 250 mm extension 1 Cardan joint, 80 mm 1 bi-hexagon socket each 8 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 19 - 21 - 22 - 24 - 27 - 30 - 32 - 34 mm one socket bit each for Allen screws size 4 - 5 - 6 - 7 - 8 - 10 - 12 - 14 mm	001	



53 788 001

53 789 Socket set

with 1/2" square drive, chrome vanadium steel, polished, chrome-plated, phosphated blades

HEYCO

1/2 "



Set contents 32 piece, in sheet steel case	53 789...	
1 lever reversing ratchet HEYCO VARICAT, 275 mm 1 sliding T-bar, 300 mm 1 x 75 mm extension 1 x 125 mm extension 1 x 250 mm extension 1 Cardan joint, 80 mm 1 bi-hexagon socket each 8 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 19 - 21 - 22 - 24 - 27 - 30 - 32 - 34 mm 1 socket bit each for Torx screws size T25, T27, T30, T40, T45, T50, T55, T60	001	



53 789 001



1/4 "

1/2 "

53 790 Socket set

with 1/2" square drive, chrome vanadium steel, surface chrome-plated



1/2 "



53 790 260

Set contents 25-piece, in plastic case	53 790...	
1 reversing ratchet with Primat quick release; 1 flexible handle; 1 x 125 mm extension; 1 combination sliding T-bar, can be used as 250 mm extension, handle with slider can be used as adapter from 3/8" to 1/2"; 1 hexagon socket each size: 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 27 - 30 and 32 mm	260	

53 791 Socket set

with 1/2" and 1/4" square drive, made of chrome vanadium steel, chrome-plated

1/2 "

1/4 "



53 791 210

Set contents 56-piece, in metal case	53 791...	
1 reversing ratchet with quick release each 1/2" and 1/4"; sliding T-bar 1/4"; sliding T-bar 1/2"; 1 universal joint, threaded connection each 1/2" and 1/4"; 250 mm extension with 1/2" quick release; 125 mm extension 1/2"; 150 mm extension 1/4"; 50 mm extension 1/4"; 1 hexagon socket each 1/2"; AF 10 - 11 - 12 - 13 - 14 - 15 - 17 - 19 - 22 - 24 - 30 and 32 mm; 1 hexagon socket each 1/2", extra deep; AW 12 - 13 and 17 mm, length 80 mm; 1 hexagon socket bit 1/2"; AF 7 - 8 and 9 mm, length 100 mm; 1 spark plug socket with rubber ring 1/2"; AF 16 and 21 mm; plain slot socket bit 1/2", 1 x 8 mm; Phillips socket bit 1/2", Size 3; 1 internal Torx socket bit 1/2" each size; T40 - T45 and T50; 1 hexagon socket 1/4" each; AF 4 - 5 - 5.5 - 6 - 7 - 8 - 9 and 10 mm; 1 hexagon socket 1/4" each, extra deep; AF 8 and 10 mm, length 50 mm; 1 hexagon socket each 1/4"; AF 4 - 5 and 6 mm; 1 plain slot socket bit 1/4" each; 0.6 x 4 mm and 0.9 x 5.5 mm; 1 Phillips socket bit each 1/4"; size 1 and 2; 1 internal Torx socket bit each 1/4"; T10 - T20 - T25 and T 30	210	

1/2 "

53 793 Socket sets

Chrome vanadium steel, chrome-plated

- 1/2" square drive
- Sheet steel case with snap fasteners

All tools are embedded rattle free in a PUR soft foam inlay. Final coat black, the contrasting colour under that (yellow) indicates missing tools.

Primat

1/2 "



...220

1/2 "

1/4 "



...350



...700

with 2 lever reversing
ratchets

Set contents	53 793...	
22-piece in sheet steel case Socket 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 22 - 24 - 27 - 30 and 32 mm, spark plug socket 16 and 21 mm, Cardan joint 75 mm, 125 mm extension, 250 mm extension, 44 mm transition, lever reversing ratchet 255 mm	220	
35-piece in sheet steel case Socket 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 22 - 24 - 27 - 30 and 32 mm, socket bit for Allen Screws 7 - 8 - 10 - 12 - 14 mm, socket bit for internal Torx screws T 30 - T 40 - T 45 - T 55 and T 60, socket bit for Phillips screws PH 3 and PH 4, Cardan joint 75 mm, 125 mm extension, 250 mm extension, 44 mm transition, lever reversing ratchet 255 mm	350	
35-piece in sheet steel case 1/4" socket (hex) 5.5 - 7 - 8 - 10 and 13 mm, 1/4" socket for Allen screws 3 - 4 - 5 mm, 1/4" Cardan joint 40 mm, 1/4" handle with slider 115 mm, 1/4" x 50 mm extension, 1/4" x 105 mm extension, 1/4" lever reversing ratchet 140 mm, 1/2" socket (hex) 10 - 13 - 16 - 17 - 18 - 19 - 22 - 24 - 27 - 30 and 32 mm, 1/2" socket for Allen screws 6 - 8 - 10 - 12 - 14 and 17 mm, 1/2" Cardan joint 73 mm, 1/2" handle with slider 300 mm, 1/2" x 125 mm extension, 1/2" x 250 mm extension, 1/2" lever reversing ratchet	700	

1/2 "

1/4 "



53 792 Socket sets

hexagon or bi-hexagon, 12.5) 1/2" square drive, chrome vanadium steel, chrome-plated, polished
53 792 170, ...250 and ...440 are equipped with PUR soft foam inlays which bed the tools free of rattling.



1/2 "



...170



...250



...310



...311



...440



Set contents	53 792...	
17-piece in plastic case, 1 reversing ratchet; 1 sliding T-bar; 1 x 123 mm extension; 1 x 248 mm extension; 1 hexagon socket each size: 10 - 11 - 12 - 13 - 14 - 15 - 17 - 19 - 22 - 24 - 27 - 30 and 32 mm	170	
25-piece in plastic case 1 reversing ratchet; 1 sliding T-bar; 1 universal joint, 1x 123 mm extension; 1 x 248 mm extension; 1 hexagon socket each size: 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 26 - 27 - 28 - 30 and 32 mm	250	
31-piece, in metal case 1 reversing ratchet; 1 sliding T-bar; 1 universal joint, 1x 123 mm extension; 1 x 248 mm extension; 1 speed brace; 1 flexible handle; 1 socket bit 13 x 2 mm; 1 hexagon socket each size: 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 25 - 26 - 27 - 28 - 30 and 32 mm	310	
31-piece, in metal case 1 reversing ratchet; 1 sliding T-bar; 1 universal joint, 1x 123 mm extension; 1 x 248 mm extension; 1 speed brace; 1 flexible handle; 1 socket bit 13 x 2 mm; 1 bi-hexagon socket each: 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 25 - 26 - 27 - 28 - 30 and 32 mm	311	
44-piece in plastic case 1 reversing ratchet; 1 sliding T-bar; 1 universal joint; 1 x 123 mm extension; 1 x 248 mm extension; 1 hexagon socket each size: 10 - 11 - 12 - 13 - 14 - 15 - 17 - 19 - 20 - 21 - 22 - 23 - 24 - 26 - 27 - 28 - 30 and 32 mm; 1 hexagon socket bit each: 5 - 6 - 7 - 8 - 10 - 12 and 14 mm; 1 Allen insert bit each: size 1 - 2 - 3 and 4; 1 PZD insert bit each: size 1 - 2 - 3 and 4; 1 internal Torx insert bit each: T 27 - T 30 - T 40 - T 45 and T 50; 1 connector; 8 = 5/16" hexagon socket; 12.5 = 1/2" square socket	440	



1/2 "

53 794 Socket sets

with hexagon inserts, 1/2" square drive, chrome vanadium steel, chrome-plated, ground



1/2 "



...110



...190



...250



...270



...500

Set contents	53 794...		53 795...	
11-piece in sheet steel case 1 reversing ratchet, fine toothed; 1 x 125 mm extension; 1 socket each: 10 - 11 - 13 - 14 - 15 - 17 - 19 - 22 - 24 mm	110		110	
19-piece in sheet steel case 1 lever reversing ratchet; 1 sliding T-bar; 1 x 125 mm extension, 1 x 250 mm extension; 1 universal joint; 1 socket each: 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 19 - 22 - 24 - 27 - 30 and 32 mm	190		190	
25-piece in sheet steel case 1 lever reversing ratchet; 1 sliding T-bar; 1 x 125 mm extension, 1 x 250 mm extension; 1 universal joint; 1 speed brace; 1 socket each: 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 21 - 22 - 23 - 24 - 26 - 27 - 28 - 30 and 32 mm	250		250	
27-piece in sheet steel case 1 lever reversing ratchet; 1 x 125 mm extension, 1 x 250 mm extension; 1 universal joint; 1 socket each: 10 - 11 - 12 - 13 - 14 - 15 - 17 - 19 - 22 - 24 - 27 - 30 mm; 1 hexagon socket bit each size: 5 - 6 - 7 - 8 - 10 - 12 - 14 mm; 1 plain slot socket bit each: 8 - 10 mm; 1 Allen screw socket bit each size 2 - 3	270		270	
50-piece in sheet steel case 1/4" range with extra finely toothed reversing ratchet, 1/2" range with robust lever reversing ratchet, with pushbutton release	500		-	-



53 795 Socket sets

with **bi-hexagon** inserts UD profile, 1/2" square drive, chrome vanadium steel, chrome-plated, ground



...110



...190



...270



...250

53 798 TORX® selector

for determination of the TORX® sizes of internal and external TORX® screws, including in confined conditions. With drillhole, therefore also suitable for "tamper-resistant TORX® screws" (internal TORX® screws with pin). Sizes T 10 to T 60 and E 6 to E 16



53 798 010

53 798...	
010	



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53 804 Sockets

Hexagon, DIN 3124, 3/4" square drive, chrome vanadium steel, chrome-plated, ground



3/4 "



53 804...

53 805 Sockets

Hexagon, DIN 3120 - D20, 3/4" square drive, manually operated, ISO 1174 with pin locking device, with good grip diamond knurling, chrome vanadium steel, chrome-plated, ground



3/4 "



53 805...

53 802 Sockets

Hexagon, DIN 3124, ISO 2725, 20 = 3/4" square drive, chrome vanadium steel, chrome-plated, polished, with pull-out bolt for pin lock, good grip, knurled



3/4 "



53 802...

Socket size mm	53 804...		53 805...		53 802...		53 804... Overall length mm	53 805... Overall length mm	53 802... Overall length mm
19	399		399		199		52	52	52
22	414		414		214		52	52	52
24	423		423		223		52	52	52
27	438		438		238		54	54	54
30	453		453		253		55	55	55
32	462		462		262		58	58	58
34	-	-	-	-	268		-	-	60
36	471		471		271		65	65	61.5
38	474		474		274		65	65	65
41	477		477		277		65	65	68.5
46	480		480		280		65	65	73
50	483		483		283		65	65	76
55	486		486		286		70	70	82
60	489		489		289		70	70	88

53 842 Socket bits

for Allen screws, 3/4" square drive, chrome vanadium steel, chrome-plated, blades black finished

3/4 "



53 842...

Socket size mm	53 842...		Overall length mm	Ø mm
14	163		54.5	36
17	187		54.5	36
19	199		56.5	36
22	214		56.5	36



3/4 "

53 884 Ratchets and accessories

with 20 = 3/4" square drive, chrome vanadium steel, chrome-plated, ground



3/4 "

**53 885 Ratchets and accessories**

with 20 = 3/4" square drive, chrome vanadium steel, chrome-plated, ground



3/4 "

53 882 Ratchets and accessories

with 3/4" square drive, chrome vanadium steel, chrome-plated polished



3/4 "

	Description	Product number		Overall length mm	
	Lever reversing ratchet with push-on tube, particularly robust	53 884 101		500	
	Lever reversing ratchet with push-on tube, particularly robust, with centre locking	53 885 001		620	
	Reversing ratchet with metal disc and internal toothing	53 885 005		510	
	Gear tooth ratchet with push-through square and internal toothing	53 885 015		510	
	Reversing ratchet button with ball and pin locking device, 32 teeth, in conjunction with rotating bar only	53 882 019		165	

	Description	Product number		Overall length mm	
	Extension	53 884 157		200	
	Extension	53 884 160		400	
	Extension	53 885 057		200	
	Extension	53 885 060		400	
	Extension	53 882 057		200	
	Extension	53 882 061		400	

	Description	Product number		Overall length mm	
	Universal joint	53 884 149		108	
	Universal joint	53 885 049		108	
	Universal joint	53 882 049		105	

	Description	Product number		Overall length mm	
	Sliding T-bar	53 884 142		480	
	Connecting square	53 885 029		51.5	
	Reducing adapter 3/4" (hollow) to 1/2" (solid)	53 885 076		56	
	Increasing adapter 3/4" (hollow) to 1" (solid)	53 885 077		60	
	Rotating bar with ball lock	53 882 019		500	
	Slider with ball lock, including rotating bar	53 882 042		500	
	Adapter, 3/4" square, hollow - 1/2" square, solid	53 884 176		60	
	Adapter with 1/2" external square, 3/4" internal square (hollow)	53 882 076		52.3	
	Adapter with 1" external square, 3/4" internal square (hollow)	53 882 077		60.6	



53 894 Socket set

with hexagon inserts, 20 = 3/4" square drive, chrome vanadium steel, chrome-plated, ground



3/4 "



53 894 210

Set contents	53 894...	
21-piece in plastic case 1 reversing ratchet; 1 sliding T-bar; 1 x 200 mm extension; 1 x 400 mm extension; 1 universal joint; 1 hexagon socket each size: 19 - 21 - 22 - 23 - 24 - 26 - 27 - 29 - 30 - 32 - 35 - 36 - 38 - 41 - 46 - 50 mm	210	

53 895 Socket set

with hexagon inserts, 20 = 3/4" square drive, chrome vanadium steel, chrome-plated, ground



53 895 140

Set contents	53 895...	
14-piece in sheet steel case 1 push-through ratchet (53885015); 1 T-handle; 1 x 200 extension mm; 1 x 400 mm extension 1 hexagon socket each size: 22 - 24 - 27 - 30 - 32 - 36 - 38 - 41 - 46 - 50 mm	140	
14-piece in sheet steel case 1 reversing ratchet (53885005); 1 T-handle; 1 x 200 extension mm; 1 x 400 mm extension 1 hexagon socket each size: 22 - 24 - 27 - 30 - 32 - 36 - 38 - 41 - 46 - 50 mm	142	

1 "

53 904 Sockets

DIN 3124, bi-hexagon, with 25 = 1" square drive, chrome vanadium steel, chrome-plated, ground

Primat

1 "



53 904...

53 902 Sockets

Bi-hexagon, 25 = 1" square drive, Chrome vanadium steel, chrome-plated, polished, with pull-out bolt for pin lock, DIN 3124, ISO 2725

HAZET

1 "



53 902...

Socket size mm	Primat 53 904...		HAZET 53 902...		53 904... Overall length mm	53 902... Overall length mm
32	-	-	262		-	67
36	471		271		68	66
41	477		277		68	70
46	480		280		73	75
50	483		283		77	80
55	486		285		82	85
60	489		289		86	90
65	492		292		90	105
70	495		295		92	110
75	498		298		98	115
80	501		301		102	120

53 994 Socket set

with bi-hexagon inserts, 1" square drive, chrome vanadium steel, chrome-plated, ground

Primat

1 "



53 994 220

Set contents: 15-piece, in metal case	53 994...	
1 lever reversing ratchet; 1 slider; 1 sliding T-bar; 1 205 mm extension; 1 405 mm extension; 1 universal joint	220	
1 bi-hexagon socket each size: 36 - 41 - 46 - 50 - 55 - 60 - 65 - 70 - 75 - 80 mm		



53 984 Ratchets and accessories

with 1/4" square drive, chrome vanadium steel, chrome-plated polished



1 "

**53 985 Ratchets and accessories**

with 1" square drive, chrome vanadium steel, chrome-plated, polished



1 "

53 982 Ratchets and accessories

with 25 = 1" square drive, chrome vanadium steel, chrome-plated, polished



1 "

	Description	Product number		Overall length mm	
	Reversing ratchet head with rotating bar	53 984 101		55.5 / 195	
	Gear wheel ratchet with push-through square, medium-fine toothing, with push-on tube	53 985 015		720	
	Reversing ratchet button with pin locking device, 32 teeth, in conjunction with rotating bar 53 982 019 only	53 982 001		195	

	Description	Product number		Overall length mm	
	Extension	53 984 157		200	
	Extension	53 984 160		400	
	Extension	53 985 057		200	
	Extension	53 985 060		400	
	Extension, DIN 3125, ISO 3316	53 982 057		200	
	Extension, DIN 3125, ISO 3316	53 982 060		400	

	Description	Product number		Overall length mm	
	Universal joint with pin lock	53 984 149		143	
	Universal joint with pin lock	53 982 049		144	

	Description	Product number		Overall length mm	
	Sliding T-bar	53 984 119		550	
	Sliding bar handle	53 985 042		700	
	Reducing adapter 1" (hollow) to 3/4" (solid)	53 985 078		75	
	Rotating bar with pin lock for ratchet head 53 982 001	53 982 019		700	
	Slider with ball lock, including rotating bar	53 982 042		700	
	Adapter external square, 3/4" (solid), 1" internal square (hollow)	53 984 178		70	
	Adapter external square 20 = 3/4", DIN 3125, ISO 3316, (solid), 1" internal square (hollow)	53 982 078		70	

For impact wrenches & drivers - For impact wrenches & drivers - For impact wrenches & drivers

54 043 Sockets

for impact drivers, hexagon, DIN 3129, with 1/2" square drive, special chrome vanadium steel



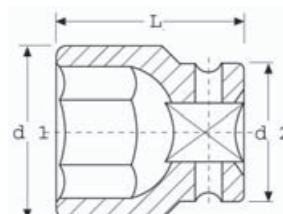
1/2"



Socket size mm	54 043...		L mm	Ø-d1 mm	Ø-d 2 mm
8	115		38	14.5	25
10	127		38	17	25
11	139		38	19	25
12	145		38	20	25
13	154		38	21	25
14	163		38	22	25
15	175		38	24	30
16	178		38	25	30
17	187		38	26	30
19	199		38	29	30
20	205		38	29	30
21	208		38	32	30
22	214		38	32	30
24	223		45	35	30
26	235		45	37.5	30
27	238		50	39	30



54 043...

**54 044 Sockets, extra deep**

deep form for impact drivers, hexagon, DIN 3129, with 1/2" square drive, special chrome vanadium steel



1/2"

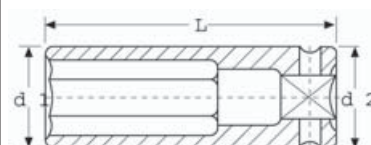


extra deep

Socket size mm	54 044...		L mm	Ø-d 1 mm	Ø-d 2 mm
13	154		78	21	25
17	187		78	26	30
19	199		78	28	30
22	214		78	32.5	30
24	223		78	35	30
27	238		78	38	30



54 044...

**54 054 TORX sockets**

for impact drivers, for internal Torx screws, with 1/2" square drive, special chrome vanadium steel



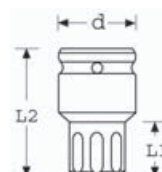
1/2"



Size	54 054...		TORX® mm	L 1 mm	L 2 mm	d mm
T 30	253		5.52	21.4	40	25.1
T 40	276		6.65	21.1	40	25.1
T 50	283		8.83	22.4	40	25.1
T 55	286		11.22	22.4	40	25.1
T 60	289		13.25	22.2	40	25.1



54 054...

**54 055 Swivel extensions**

for impact wrenches, 1/2" square drive, with swivel angle approx. 10°, external square with retainer ball, phosphated



1/2"

Overall length mm	54 055...	
50	001	
125	002	
250	003	



54 055...

54 056 Universal ball joint

for impact wrenches 1/2" square drive, external square with retaining ball, phosphated



1/2"

Overall length mm	54 056...	
60	001	



54 056 001

54 058 Additional tools

for impact wrench & driver sockets, 1/2" square drive, special chrome vanadium steel, phosphated



1/2 "



54 058 003



54 058 006



54 058 049



54 058 054



54 058 075

	54 058...		Overall length mm
O-ring set	003		-
Connecting pin	006		-
Cardan joint	049		60
Extension	054		125
Extension	058		175
Reducing adapter (1/2" internal square - 3/4" external square)	075		48

54 063 Sockets

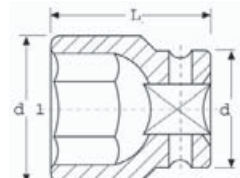
for impact drivers, hexagon, DIN 3129, with 3/4" square drive, special chrome vanadium steel, phosphated



3/4 "



54 063...



Socket size mm	54 063...		L mm	d 1 mm	d 2 mm
17	187		50	31	44
19	199		50	33	44
22	214		50	37	44
24	223		52	40	44
27	238		54	43	44
30	253		54	47	44
32	262		56	49	44
36	271		56	54	44
38	274		58	57	44
41	277		60	59	44
46	280		62	61	44

54 064 Sockets, extra deep

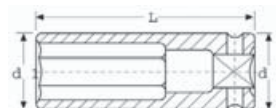
extra deep for impact drivers, hexagon, DIN 3129, with 3/4" square drive, special chrome vanadium steel, phosphated



3/4 "



54 064...



Socket size mm	54 064...		L mm	d 1 mm	d 2 mm
22	214		95	37	44
24	223		95	40	44
27	238		95	43	44
30	253		95	47	44
32	262		95	49	44
36	271		95	55	44

54 078 Additional tools

for impact wrench & driver sockets, 3/4" square drive, special chrome vanadium steel, phosphated



3/4 "



54 078 003



54 078 006



54 078 049



54 078 056



54 078 077

	54 078...		Overall length mm
O-ring set	003		-
Connecting pin	006		-
Cardan joint	049		105
Extension	056		175
Extension	058		250
Reducing adapter (3/4" internal square - 1/2" external square)	076		56
Reducing adapter (3/4" internal square - 1" external square)	077		63



For impact wrenches & drivers - For impact wrenches & drivers - For impact wrenches & drivers

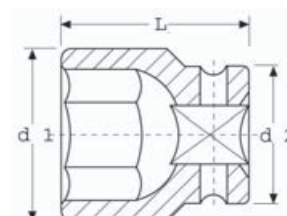
54 083 Sockets

for impact drivers, hexagon, DIN 3129, with 1" square drive, special chrome vanadium steel, phosphated



54 083...

Socket size mm	54 083...		L mm	d 1 mm	d 2 mm
24	223		58	42	54
27	238		58	46	54
30	253		60	50	54
32	262		60	52	54
33	265		60	53	54
36	271		65	56	54
38	274		65	59	54
41	277		67	63	54
46	280		74	69	54
50	283		80	74	54
55	286		84	80	54
60	289		87	86	54



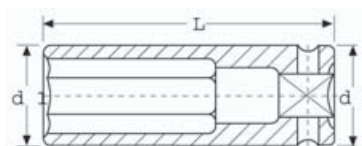
54 084 Sockets, extra deep

extra deep for impact drivers, hexagon, DIN 3129, with 1" square drive, special chrome vanadium steel, phosphated



54 084...

Socket size mm	54 084...		L mm	d 1 mm	d 2 mm
24	223		100	42	54
27	238		100	46	54
30	253		100	50	54
32	262		100	52	54
36	271		100	56	54
41	277		100	63	54
46	280		100	69	54



54 098 Additional tools

for impact wrench & driver sockets, 1" square drive, special chrome vanadium steel, phosphated



54 098 003



54 098 006



54 098 049

	54 098...		Overall length mm
O-ring set	003		-
Connecting pin	006		-
Cardan joint	049		133
Extension	056		175
Extension	058		250
Extension	059		330
Reducing adapter (1" internal square - 3/4" external square)	078		80



54 098 056



54 098 078

55 001 Torque wrenches



Adjusted by turning the handle, easy to read scale value, release accuracy $\pm 3\%$ of the scale value, in plastic case, without calibration



55 001...

Torque range Nm	55 001...		Square drive inch	Overall length mm
42 - 210	001		1 / 2	470
75 - 350	003		1 / 2	630
80 - 400	005		3 / 4	850

55 002 Torco-Tronic ISI torque wrenches

automatic, self-releasing, high dimensional accuracy, with signal and scale, measurement for right and left-hand operation, with integrated, finely toothed reversible ratchet, adjustment by means of scaled measuring barrel, without calibration



55 002...

Torque range Nm	55 002...		Square drive inch	Overall length mm
10 - 60	001		1 / 2	380
30 - 130	003		1 / 2	470
50 - 300	005		1 / 2	540

55 003 ISI torque wrench

automatic self-releasing, high dimensional accuracy, with signal and scale, measurement for right and left-hand operation with integrated lever reversible ratchet, adjustment by means of adjusting knob according to scale, without calibration



55 003...

Torque range Nm	55 003...		Square drive inch	Overall length mm
5 - 50	101		1 / 2	365
20 - 100	103		1 / 2	470
60 - 220	105		1 / 2	530

55 004 ISI torque wrench

self-releasing, high dimensional accuracy, with signal, with integrated reversible ratchet, without calibration



55 004...

Torque range Nm	55 004...		Square drive inch	Overall length mm
100 - 500	001		3 / 4	810
160 - 800	003		3 / 4	1010

55 006 DREMOMETER torque wrench

Adjusted using a captive offset key in the handle, values can be read off the double scale in N•m and lbf•ft, release accuracy $\pm 3\%$ tolerance of the set scale value, tightening to the set torque possible with right-hand operation only, automatic short-stroke release with perceptible and acoustic signal, with test certificate to DIN EN ISO 6789, in stable plastic box; in stable carton



55 006...

Torque range N•m	Torque range lbf•ft	55 006...		Scale graduation N•m / lbf•ft	Length x Height mm	Square drive inch
6 - 30	50 - 270 inch	010		1 / 10 inch	265 x 30	1 / 4
8 - 40	70 - 350 inch	012		5 / 50 inch	340 x 30	3 / 8
20 - 120	15 - 90	022		5 / 5	463 x 30	1 / 2
40 - 200	30 - 150	025		5 / 5	553 x 30	1 / 2
50 - 300	35 - 220	028		5 / 5	618 x 30	1 / 2
80 - 360	60 - 260	032		5 / 5	718 x 30	3 / 4
110 - 550	80 - 405	033		10 / 10	812 x 35	3 / 4
140 - 760	105 - 560	035		10 / 10	812 x 35	3 / 4
520 - 1000	380 - 730	038		10 / 10	max. 1400 x 35	3 / 4
750 - 2000	-	042		50 / -	max. 1998 x 40	1
1500 - 3000	-	052		50 / -	max. 2343 x 40	1 1/2

55 008 Snap-on ratchet head

for use on right-hand operation torque wrenches,
Rotational direction: right-hand

Square drive inch	55 008...		Height without square drive mm	Ø mm
1 / 4	002		21	24
3 / 8	012		28	35
1 / 2	022		35	46
3 / 4	032		53	65
1	042		63	73



55 008...

55 009 6000 CT torque wrench

Release accuracy $\pm 2\%$ of scale value in operating direction,
with **reversible ratchet**, rotary knob for secure locking of the setting,
DIN ISO 6789:2003 (D), tested with certificate, precise, fine scale
graduation, individual with serial number, ergonomic design
Safety: haptic (short-stroke trigger), acoustic (click), visual (signal
generator)



55 009...

Torque range Nm	55 009...		Square drive inch	Overall length mm
20 - 120	022		1 / 2	435
40 - 200	025		1 / 2	543
60 - 320	028		1 / 2	659

Release accuracy $\pm 2\%$ **55 010 TORCOFIX K torque wrench**

Release accuracy $\pm 3\%$ tolerance of the set scale value, with test
certificate according to DIN EN ISO 6789, in plastic box (up to
...005), otherwise in stable carton, easy to adjust by turning the han-
dle, sound adjustment lock using push-in button at the end of the han-
dle, the tried and tested RAHSOL hinge mechanism with castor ensures
maximum accuracy and long tool lives, with reversible square or push-
in square (from ...007) for right and left-hand operation with ball lock
or pin lock, easy to read scale (N•m/lbf•ft), with magnifier effect and
additional micrometer scale ring with N•m graduation (1 N•m and
0.025 N•m respectively) enables very precise setting of the torque



55 010...

Torque range N•m	Torque range lbf•ft	55 010...		Square drive inch	Length x Height mm	Scale graduation N•m
1 - 5	0.75 - 3.7	031		1/4	220 x 24	0.025
2 - 25	1.5 - 18	032		1/4	285 x 24	0.1
5 - 50	4 - 37	035		3/8	335 x 24	0.25
10 - 100	8 - 75	003		1/2	395 x 33	0.5
20 - 200	15 - 150	004		1/2	485 x 33	1
60 - 300	45 - 220	005		1/2	575 x 33	1
75 - 400	55 - 300	006		1/2	665 x 33	1
100 - 550	75 - 405	007		3/4	960 x 31	1
140 - 750	105 - 550	008		3/4	1240 x 31	1

55 015 Torque wrenches DREMOMETER "Mini"



- Lightweight glass fibre reinforced plastic casing
- resistant against oil, petrol and kerosene
- easy to use due to automatic short-stroke release with acoustic and perceptible signal
- Adjustment using handy knurled screw with adjustment lock for right-hand operation
- Double scale for N•m and lbf•in
- Release accuracy +/- 3% tolerance of set scale value
- 1/4" square drive with ball lock, DIN3120-A6.3 ISO1174
- with test certificate to DIN EN ISO 6789



55 015...

Torque range	55 015...		Square drive	Length
N•m				mm
1 - 12	001		1/4"	185

55 030 DREMOMETER Z torque wrenches



- **Lightweight metal series**
- with quick change system with pin lock for interchangeable **snap-on tools** with 16 or 22 mm pivot mounting
- ideal for installations in confined, hard to access places
- **automatic short-stroke release with perceptible and audible signal**
- easy to adjust using captive offset key in the handle, do not use extension use
- actuation solely at the middle of the handle - otherwise value shifts
- release accuracy: +/- 3% tolerance of set value
- incl. test certificate to DIN EN ISO 6789
- supplied in stable plastic box (except ...005 + ...007), otherwise in stable carton
- snap-on tools No. 55 078... - 55 094...



55 030...

55 034 DREMOMETER SE torque wrench



Type as Prod. No. 55 030...; however, for **push-in tools** with 9 x 12 and 14 x 18 internal rectangular mounting



55 034...

Torque range	55 030...		Snap-on pivot mm	55 034...		Push-in square mm	Length
N•m							mm
8 - 40	001		16	001		9 x 12	365
20 - 120	003		16	003		9 x 12	490
50 - 400	005		16	005		14 x 18	645
140 - 620	007		22	-	-	-	845

55 036 TORCOFIX Z torque wrenches

- With pin lock for interchangeable 16, or 22 mm - **for snap-on tools**
- automatically releasing
- ideal for all installations, especially in confined spaces
- the hinge mechanism with castor ensures a perceptible and acoustic release signal
- easy, convenient scale adjustment by turning the handle
- extremely high accuracy through micrometer scale ring
- actuation at the handle only
- release accuracy: +/- 3% tolerance of set value
- incl. test certificate to DIN EN ISO 6789
- supplied in stable plastic box



55 036...

55 040 TORCOFIX SE torque wrenches

Type as Prod. No. 55 036...; however, **for push-in tools** with 9 x 12 and 14 x 18 internal rectangular mounting



55 040...

Torque range N•m	Scale graduations N•m	55 036...		Length mm	Snap-on pivot Ø mm	55 040...		Length mm	Push-in square mm
2 - 25	0.1	001		285	16	001		285	9 x 12
5 - 50	0.25	003		335	16	003		325	9 x 12
10 - 100	0.5	005		375	16	005		375	9 x 12
20 - 150	1	-	-	-	16	007		461	9 x 12
20 - 200	1	-	-	-	-	009		475	14 x 18
60 - 300	1	009		565	16	011		565	14 x 18
75 - 400	1	011		650	16	013		650	14 x 18
100 - 550	1	013		960	22	-	-	-	-
140 - 750	1	017		1220	22	-	-	-	-

55 046 Drehfix with T handle

used **for quick tightening of screws** using torque wrenches with reversing ratchet e.g. 55 010... (Torcofix K) **simply push Drehfix through the ratchet head, lock the socket and tighten the screw in no time.** You then only have to tighten with the necessary torque



55 046...

Drive	55 046...	
3 / 8"	001	
1 / 2"	003	

55 048 Torque wrenches

- with scale dial with N•m and lbf•in or lbf•ft display
- slave pointer for controlled screw tightening and torque measurement
- right and left-hand operation
- with integrated ratchet
- robust casing
- display accuracy: +/- 4 % tolerance of set value
- incl. test certificate to DIN EN ISO 6789
- supplied in stable plastic box (except ...013 + ...015), otherwise in stable carton



55 048 001 - ...007



55 048 009 - ...015

Torque range N•m	55 048...		Square drive inch	Length mm
0.8 - 4	001		1 / 4	244
2.4 - 12	003		1 / 4	244
5 - 25	005		3 / 8	244
8 - 40	007		3 / 8	244
16 - 80	009		1 / 2	435
40 - 200	011		1 / 2	515
80 - 400	013		3 / 4	710
160 - 800	015		3 / 4	1000



55 075 TORCOTRONIC electronic torque wrench

- For everyday use in assembly or torque checking
- Adjustable, microprocessor-controlled, electronic torque wrench with pushbutton release
- For controlled right and left-hand operation
- According to DIN EN ISO 6789, can be traced back to national standards
- Large measuring range in N·m, switchable to lbf·ft
- High degree of measuring accuracy: +/- 1% tolerance of all readings, +/- 1 digit
- Easy to read LCD display
- Automatic calibration at the press of a button and after standby mode
- With test certificate to DIN EN ISO 6789
- Supplied in stable plastic box

...003 and ...007:

- With memory and RS 232 serial interface



55 075...

Torque range N·m	55 075...		Square drive inch	Overall length mm
20-200	001		1/2	508
20-200	003		1/2	508
30-300	005		1/2	575
30-300	007		1/2	575

55 072 DREMOPLUS torque multiplier

- Precision devices for highest torques with planetary gear mounted on roller bearings
- used in conjunction with a torque wrench, you achieve maximum torques - without the slightest effort, even in confined spaces
- For faster assembly with Dremometer, we recommend using a snap-on ratchet head

Formula: Input torque x multiplication = output torque



55 072...

Torque range N·m max.	Transmission ratio	55 072...		Input square inch	Output square inch
3400	1:5	001		3 / 4	1 1/2
6000	1:5	003		3 / 4	1 1/2

55 074 DREMOPLUS torque multiplier

precise operating torque multiplier with push-in support, actuation with any 1/2" or 3/4" torque wrench gives precise multiplication to 5 times the set tightening value



55 074...

Torque range N·m max.	Transmission ratio	55 074...		Input square inch	Output square inch
1300	1:5	001		1 / 2	3 / 4
2700	1:5	003		3 / 4	1

55 076 DREMOPLUS Torque multiplier

- Guaranteed accuracy: better than +/- 4% tolerance
- Multiplication effective within transmission ratio 1:22
- To be used in conjunction with a torque wrench
- With support device



55 076...

Initial torque (N·m max.)	Initial torque (lbf·ft max.)	55 076...		Square drive inch	Weight Kg
1000	738	001		3/8	2.3
1000	738	003		1/2	2.3



55 077 DREMOTEST electronic tester

- For checking or adjusting right-hand operating torque wrenches within the range of 9-320 Nm
- Horizontal check
- Simple electronic tester with integrated transducer
- With fixed hexagon mounting AF 17 mm
- With 3/8" and 1/2" square adapter AF 17 mm
- High degree of measuring accuracy: +/- 1% tolerance of all readings, +/- 1 digit
- Peak value detection (first peak / crunch point detection)
- Auto reset
- Test certificate



55 077...

Measuring range N•m	55 077...		Weight Kg
9-320	001		3.0

55 090 Snap-on ratchet

Pivot 16 mm

Square inch	55 090...	
1 / 2	003	



55 090...

55 093 Snap-on square

- For solving difficult assembly problems
- Easy to change
- Max. load approx. 200 N•m

Square inch	55 093...		Pivot mm
3/8	001		16
1/2	003		16
3/4	005		22



55 093...

Push-in tools

Mounting 9 x 12 mm / 14 x 18 mm suitable for all torque wrenches with 9 x 12 mm or 14 x 18 mm internal rectangular mounting and pin lock

55 096 Push-in open-ended spanner

Mounting 9 x 12 mm

55 098 Push-in open-ended spanner

Mounting 14 x 18 mm

Spanner size mm	55 096... 9 x 12 mm		55 098... 14 x 18 mm	
7	007		-	-
8	008		-	-
9	009		-	-
10	010		-	-
11	011		-	-
12	012		-	-
13	013		013	
14	014		014	
15	015		015	
16	016		016	
17	017		017	
18	018		018	
19	019		019	
21	-	-	021	
22	-	-	022	
24	-	-	024	
27	-	-	027	
30	-	-	030	
32	-	-	032	



55 096...



55 098...

55 102 Push-in ring spanner

Mounting 9 x 12 mm

55 104 Push-in ring spanner

Mounting 14 x 18 mm

Spanner size mm	55 102... 9 x 12 mm		55 104... 14 x 18 mm	
7	007		-	-
8	008		-	-
10	010		-	-
11	011		-	-
12	012		-	-
13	013		013	
14	014		014	
15	015		015	
16	016		016	
17	017		017	
18	018		018	
19	019		019	
21	021		021	
22	022		022	
24	-	-	024	
27	-	-	027	
30	-	-	030	
32	-	-	032	
34	-	-	034	
36	-	-	036	
41	-	-	041	



55 102...



55 104...

55 108 Push-in ring spanner, open

Mounting 9 x 12 mm

Spanner size mm	55 108...	
10	010	
11	011	
12	012	
13	013	
14	014	
17	017	
18	018	
19	019	
22	022	



55 108...

55 110 Push-in reversible ratchets

Mounting 9 x 12 mm

55 112 Push-in reversible ratchets

Mounting 14 x 18 mm

Square inch	55 110... 9 x 12 mm		55 112... 14 x 18 mm	
1 / 4	001		-	-
3 / 8	003		-	-
1 / 2	006		001	
3 / 4	-	-	003	



55 110...



55 112...

55 114 Push-in square

Mounting 9 x 12 mm

55 116 Push-in square

Mounting 14 x 18 mm

Square inch	55 114... 9 x 12 mm		55 116... 14 x 18 mm	
1 / 4	001		-	-
3 / 8	003		-	-
1 / 2	006		-	-
1 / 2	-	-	001	
3 / 4	-	-	003	



55 114...



55 116...

55 118 Push-in bit holder

Mounting 9 x 12 mm

55 120 Push-in bit holder

Mounting 14 x 18 mm

Bit holder inch	55 118... 9 x 12 mm		55 120... 14 x 18 mm	
5 / 16	001		-	-
5 / 16	-	-	001	-



55 120 001

55 122 Push-in weld-on parts

Mounting 9 x 12 mm

55 124 Push-in weld-on parts

Mounting 14 x 18 mm

Weld-on part size	55 122... 9 x 12 mm		55 124... 14 x 18 mm	
8 x 14	001		-	-
11 x 25	-	-	001	-



55 124 001

55 127 Type S torque driver

for right and left-hand operation, scale in cN•m and N•m with adjustment lock ring, click system for precise setting of the torque. Release accuracy $\pm 6\%$ of the set scale value; includes test certificate according to DIN EN ISO 6789

Hexagon socket mounting 1/4". For using bits with 1/4" hexagon drive according to C 6.3 DIN 3126.

With 1/4" square drive and hexagon drive for hexagon sockets with 1/4" square drive according to DIN 3124.

55 127 003 + 55 127 005 with sliding handle for operation in the 1/4" square of the handle.

Supplied in stable carton.



55 127 001



55 127 003



55 127 005

Torque range	55 127...		Scale graduations	Overall length mm
20 - 120 cN•m	001		1.0 cN•m	169
1 - 6 N•m	003		0.1 N•m	184
4 - 9 N•m	005		0.1 N•m	184

**55 190 Torque screwdriver
easyTorque**

Type: Fixed, preset torque screwdriver for controlled fastening at the given torque. Ideal for the assembly of tips. The fixed, preset torque values have been coordinated with the recommendations of renowned tip manufacturers.

Application: If the torque is reached during fastening the integrated mechanism slips completely through. This prevents over-tightening of the screw. Robust industrial quality, long life and high degree of functional reliability. The opening torque to the left is mechanically unlimited. The practical handle enables good force transfer.

Lightweight design, torque value printed on.

Supplied without replacement blades.

For suitable replacement blades, see Prod. No. 55 205...

release accuracy: $\pm 10\%$



55 190...



Measuring range Nm	55 190...		Length without blade mm	Handle Ø mm
0.5	005		103	32
0.6	006		103	32
0.9	009		103	32
1.1	011		103	32
1.2	012		103	32
1.4	014		103	32
2.0	020		103	32
2.5	025		103	32
3.0	030		103	32
3.8	038		103	32

55 200 TorqueVario®-S torque screwdriver

Variable torque settings possible.

With window scale, display of the torque value in figures with 2 places after the decimal (patented). Tested to EN ISO 6789, BS EN 26789, ASME B107. 14M. Tolerance +/- 6% (...001 10%) traceable back to national standards. Adjusting tool (torque setter) for changing the torque included in the scope of supply. Click signal on reaching the set torque value. Ergonomically shaped handle with hard and soft zone.

For suitable replacement blades, see Prod. No. 55 205...

Supplied in practical plastic box, incl. factory test certificate



variable torque setting

55 200...

Measuring range Nm	55 200...		Length without blade mm	Handle Ø
0.1 - 0.6	001		127	23
0.4 - 1.0	004		127	23
0.8 - 2.0	008		131	30
1.0 - 5.0	010		138	36
2.0 - 8.0	020		142	41

From Prod. No. ...008 also available as VDE type.

55 202 TorqueFix® torque screwdriver

With a fixed, set torque value. Ideal for applications in which the same torque is always required. E.g. in series production and for changing tips. Tested to EN ISO 6789, BS EN 26789, ASME B107. 14M. Tolerance +/- 6% (traceable back to national standards). Click signal on reaching the set torque value. Ergonomically shaped handle with hard and soft zone.

For suitable replacement blades, see Prod. No. 55 205...

Supplied in practical plastic box, incl. factory test certificate



with fixed, set torque value

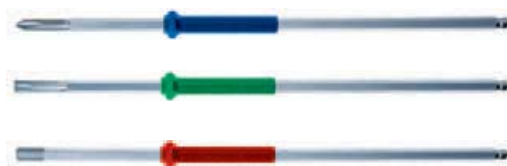
55 202...

Measuring range Nm	55 202...		Length without blade mm	Handle Ø
0.9	009		112	23
1.1	011		119	30
2.0	020		119	30
2.5	025		119	30
3.0	030		126	36
3.8	038		126	36

Further screwdrivers with fixed, set torque values between 0.4 and 8 Nm available on request.

55 205 Replacement blades for WIHA torque screwdrivers

easyTorque 55 190..., Torque Vario S (55 200...) and Torque Fix (55 202...) made of high-quality chrome vanadium steel, hardened throughout and matt chrome-plated with colour coding. Overall length 175 mm, hexagon AF 4 mm, WIHA ChromTop blade tip.



55 205...

Blade type	55 205...	
PH 0	010	
PH 1	011	
PZ 0	020	
PZ 1	021	
T 5	035	
T 6	036	
T 7	037	
T 8	038	
T 9	039	
T 10	040	
T 15	045	
hex 2.0	120	
hex 2.5	125	
hex 3.0	130	
hex 4.0	140	



Further types/sizes available on request.



55 208 TorqueVario® STplus T-handle torque screwdriver with scale



T-handle with variable torque adjustment feature.

Type as 55 200...; however, with T-handle with soft zones for optimum torque transfer

For suitable replacement blades, see Prod. No. 55 212...

Measuring range Nm	55 208...		Length without blade mm	Handle width mm
5 - 14	050		56	120

with scale



55 208 050

55 210 TorqueFix® Tplus T-handle torque screwdriver



T-handle with fixed, set torque.

Comfortable T-handle with soft zones for optimum torque transfer. Based on EN ISO 6789, BS EN 26789, ASM B107.14M. For controlled fastening with a specified torque. Supplied in practical plastic box, incl. factory test certificate

For suitable replacement blades, see Prod. No. 55 212...

Measuring range Nm	55 210...		Length without blade mm	Handle width mm
6.0	060		56	120
8.0	080		56	120
10.0	100		56	120
12.0	120		56	120
12.5	125		56	120
14.0	140		56	120

without scale



55 210...

55 212 Replacement blades for T-handle torque screwdrivers



TorqueVario®-STplus (55 208...) and TorqueFix®-Tplus (55210) made of high-quality chrome vanadium molybdenum steel, hardened throughout, matt chrome-plated, length of the blade: 130 mm/ hexagon AF 6 mm

Blade type	55 212...	
T15	045	
T20	047	
T25	049	
T27	051	
T30	053	
T40	055	
hex 3	130	
hex 4	140	
hex 5	150	
hex 6	160	



...045 - ...055



...130 - ...160



Induction heating is a high-quality, fast and controlled heating method. In addition, it is an environmentally friendly alternative to traditional heating methods such as stoves, oil baths or gas burners. These cause odour and smoke emissions and can be a risk to personal safety and a healthy working environment.

Bega induction heaters can be used for multiple functions and are also suitable for gear wheels, sockets, couplings, etc. It has been proven that correct bearing assembly increases the number of operating hours of a bearing. Through the controlled heating you prevent unnecessary damage and the original bearing lubrication is retained. Ideal for enclosed bearings.

55 908 BETEX 22 ELD induction heater

- 230 volt, 3.6 kVA
- Portable, in strong, handy plastic case
- incl. 4 yokes, 10, 14, 20 40 mm
- Max. weight bearing: 15 kg
- Max. weight other workpieces: 10 kg
- Temperature setting up to 150°C

Min. and max. dimensions of workpieces:

- Min. diameter ID: 15 mm
- Max. diameter AD: 210 mm
- Max. width: 120 mm

Type	55 908...	
BETEX 22 ELD	022	



55 908 022

55 914 BETEX 24 RLD TURBO induction heater

- 230 volt, 3.6 kVA
- Portable.
- incl. 5 yokes 7, 10, 14, 20, 40 mm
- Max. weight bearing: 40 kg
- Max. weight other workpieces: 25 kg
- Temperature setting up to 240°C

Min. and max. dimensions of workpieces:

- Min. diameter ID: 10 mm
- Max. diameter AD: 350 mm
- Max. width flat: 135 mm
- Max. width suspended: 130 mm
- Max. width: 120 mm

Type	55 914...	
BETEX 24 RLD TURBO	024	



55 914 024

55 920 BETEX 24 RSD TURBO induction heater

- 230 volt, 3.6 kVA
- With unique swivel arm design
- Guide supports for horizontal heating.
- incl. 7 yokes, 10, 14, 20, 30, 40, 50, 60 mm
- Max. weight bearing: 95 kg
- Max. weight other workpieces: 50 kg
- Temperature setting up to 240°C

Min. and max. dimensions of workpieces:

- Min. diameter: 15 mm
- Max. diameter AD: 520 mm
- Max. width flat: 230 mm
- Max. width suspended: 200 mm
- Max. AD with support strips: 750 mm
- Max. width/height with support strips: 350 mm

Type	55 920...	
BETEX 24 RSD TURBO	024	



55 920 024

55 930 Heat resistant glove

safe handling of heated components, ideal for handling heated roller bearings or other machine parts before installation, lint-free, short-term heat resistance up to 150° C, very comfortable to wear, does not contain asbestos, cut and attrition resistant, only suitable for machining roller bearings at a recommended temperature of 100°C - 120°C

Outside material	Inside material	55 930...		Colour	Size
Polyester	Cotton, unbleached	001		white	11



55 930...

TMHC 110E hydraulic puller set

The TMHC 110E hydraulic puller set consists of a puller with separator and an outer puller as well as the TMHS 100 hydraulic spindle with which pulling-off forces up to 100 kN can be generated.

- Hydraulic spindle for effortless force generation and quick pulling off operations
- The outer puller includes two sets of hooks of different length for reaching up to 120 mm
- The outer puller can be optionally fitted with three or two hooks - depending on the requirements of the particular use
- The pulling off force of the puller with separator acts directly on the inner ring, the total force effort required is reduced
- The special design of the separator enables the puller to be used even in unfavourable space conditions
- The extension rods enable the range to be extended to 255 mm and therefore adjusted to the requirements

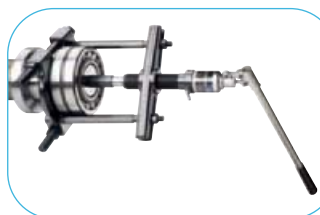
Scope of supply: 1 pickup star, 3 x 70 mm hooks, 3 x 120 mm hooks

1 separator, 1 cross bar, 2 pull rods, 2 extension rods 125 mm, 1 hydraulic spindle TMHS 100, 2 x extension pieces for the hydraulic spindle, 50, 100 mm, 1 centring tip

Technical data

max. lift	mm	80
Pulling off force	kN	100
Weight	kg	13.5
Safety valve operating pressure	kN	105
max. range	mm	255
Shaft Ø range.	mm	20 - 100

Price on request

SKF


TMIP series inner puller tool sets

Fast and easy dismantling of rolling-contact bearings

The TMIP inner puller tool sets were specially designed for the dismantling of bearings from housings with fit at the outer ring

- Easy dismantling of the bearings from their housings shortens bearing removal times
- The special design for specific bearing inner diameter simplifies choice of a tool
- The extremely hard, chrome-plated steel of the tool ensures optimum strength and tool life
- Spring operated pullers make it easy to handle/spread out the pulling device so that it adapts to the shape of the inner ring
- The optimised design of the gripper ensures secure hold behind the inner ring

TMIP 7-28 scope of supply: Slide hammer, 7 - 9 mm puller, 10 - 12 mm puller, 15 - 17 mm puller, 20 - 28 mm puller, IFU card, carrying case

TMIP 30-60 scope of supply: Slide hammer, 30 - 40 mm puller, 45 - 60 mm puller, IFU card, carrying case

Technical data

		TMIP 7-28	TMIP 30-60
Weight (complete set)	kg	3.3	5.4
Overall length slide hammer	mm	412	557
Case size (B x D x H)	mm	395 x 300 x 105	395 x 300 x 105
Spare parts	mm	TMIP E1 & TMIP E2	TMIP E3 & TMIP E4

Prices on request

SKF


TMFT 36 rolling-contact bearings installation tool set

The risk of bearing damage during installation can be minimised by using the TMFT 36 rolling contact bearings installation tool set, which is designed for fast, safe and proper installation of bearings.

The right combination of striking ring and striking sleeve ensures that the installation forces are never passed over the rolling element of the bearing.

- 36 striking rings for installation of more than 400 different bearings
- For installation of the bearing on the shaft, in the housing or simultaneously on the shaft and in the housing
- Extremely shockproof material for long life of the striking rings and sleeves
- The striking rings are latched into the striking sleeves, the striking rings cannot loosen themselves
- The striking rings can also be used together with presses

Technical data

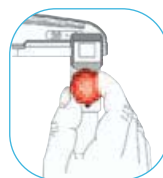
Weight (with case)	kg	4
Number of striking rings		36
Number of striking sleeves		3
Case size (B x D x H)	mm	525 x 420 x 130

Price on request

SKF


56 001 Puller, two legged

For pulling ball bearings, gears and similar parts. With “Glide & Fix” technology. Pulling jaws parallel in every position, which means only the supporting surfaces (toes) are in contact with the part to be pulled off. With “Quick adjust” quick adjustment. The handwheels enable the jaws to be quickly undone and relocated without a spanner.



56 001...

Size	56 001...		Spread mm	Reach mm
1	010		90	100
10	011		120	100
2	012		160	150
20	014		200	150
3	016		250	200
30	017		350	200

56 002 Puller, two legged

powerful design, cross arms (yokes) with high bending strength, jaws with large supporting surfaces and thin toes for narrow spaces, for pulling off ball bearings, gears, belt pulleys and similar parts, can be used as external and internal puller

...023: Reach adjustable between 400 - 700mm



56 002...

Size	56 002...		Spread mm	Reach mm
1	010		90	100
10	011		120	100
2	012		160	150
20	014		200	150
3	016		250	200
30	017		350	200
4	020		520	200
5	023		750	400 - 700 adjustable

56 005 Jaws for pullers

For puller 56 002..., supplied in pairs

...010 to ...016: in standard lengths

...110 to ...118: in special lengths

...220 to ...223: adjustable to different lengths, therefore only one set required for different reaches



56 005 010

56 005 110

56 005 220

For puller Size	56 005...		Reach mm
1 and 10	010		100
2 and 20	013		150
3, 30 and 4	016		200
1 and 10	110		200
1 and 10	111		250
2 and 20	113		300
3, 30 and 4	116		300
3, 30 and 4	117		400
3, 30 and 4	118		500
3, 30 and 4	220		300 - 500
5	223		400 - 700

56 007 Puller, two legged

simple design for pulling gears, ball bearings, belt pulleys and similar parts, jaws can be reversed, can be used as external and internal pullers

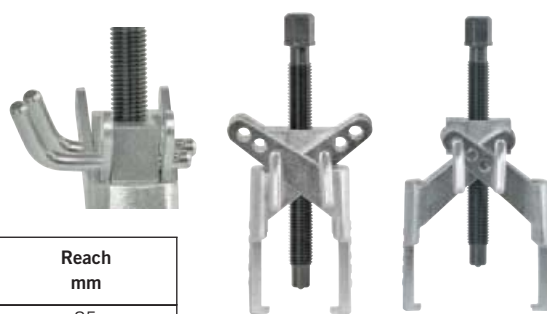


56 007...

Size	56 007...		Spread mm	Reach mm
1	010		100	100
2	011		150	100
3	012		200	150
4	013		250	150
41	014		250	200
5	015		350	150
51	016		350	200

56 008 Puller, two legged

with pointed jaw toes for narrow spaces when pulling off pinions, bearings and similar parts; due to the scissors-like jaw guide the jaw toes are inseparably pressed against the part to be pulled off during the pulling operation



56 008...

Size	56 008...		Spread mm	Reach mm
1	000		6 - 100	85
2	001		10 - 140	125
3	002		15 - 140	160

56 009 Puller set, two legged

can be used as external and internal puller



56 009...

Size	56 009...		Spread mm	Reach mm
10	001		120	100 / 200 / 250
20	002		300	150 / 300
30	003		350	200 / 300 / 400

56 011 Puller set

Two and three-legged universal puller as set, 2-piece, in plastic case



56 011 001

Set contents	56 011...		Spread mm	Reach mm
Puller, two legged	001		120	100 / 200 / 300
Puller, three legged			130	100 / 200 / 250

56 022 Puller, two legged

space-saving design, for pulling off battery terminals and small ball bearings



56 022...

Size	56 022...		Spread mm	Reach mm
1	010		60	50
2	013		70	70
3	016		80	80

56 032 Puller, two legged

For pulling off ball bearings, pinions, gears, belt pulleys, etc.



with automatic
quick clamping



56 032...

Size	56 032...		Spread mm	Reach mm
1	010		100	100
2	013		120	120
3	016		160	160
4	019		250	200
5	023		300	250

56 035 Puller, two legged

For pulling off ball bearings, pinions, gears and similar parts



Size	56 035...		Spread mm	Reach mm
1	010		60	40
2	013		85	90
3	016		150	150
4	019		200	200
5	021		250	250



56 035...

56 038 Puller, three legged

For pulling off ball bearings, pinions, gears and similar parts



Size	56 038...		Spread mm	Reach mm
2	013		85	90
3	016		150	150
4	019		200	200
5	021		250	250



56 038...

56 024 Puller, two legged

with side clamp clip, for pulling off ball bearings and bearing rings



56 024 013



56 024 007

Size	56 024...		Spread mm	Reach mm
0	007		50	70
2	013		90	100

56 192 Hydraulic presses

optimum aid for significantly increasing the pressure applied compared to mechanical pulling devices when pulling off stuck parts



56 192 010

Pullback
TECHNOLOGY

Size	Power t	56 192...		Ø mm	Overall height mm	Stroke mm
1	10	010		37	62	10
2	15	013		50	80	15



56 202 Puller, three legged

strong design, for pulling off heavy belt pulleys, gears, etc., can be used as external and internal puller, jaws with large support surface



56 202...

56 203 Puller, three legged, hydraulic

as Prod. No. 56 202...; however, **hydraulic type**

Size	56 202...		56 203... hydraulic		Spread mm	Reach mm
0	007		007		375	200
1	010		010		520	200
2	013		013		650	200



hydraulic type

56 203...

56 204 Puller jaw sets

Contents: 3 jaws, for puller No. 56 202... and 56 203...



Size	56 204...		Reach mm
2	013		200
3	016		300
4	019		400
5	022		500
Sp	050		300 to 500 adjustable



56 204...

56 212 Puller, three legged

For pulling off ball bearings, pinions, gears, belt pulleys, etc.



with automatic
quick clamping

Size	56 212...		Spread mm	Reach mm
1	010		100	100
2	013		120	120
3	016		160	160
4	019		250	200
5	023		300	250
6	025		375	275
7	027		600	350



56 212...

56 213 Puller, three legged

For pulling off ball bearings, gears, belt pulleys, etc.



with pre-settable
quick clamping

Size	56 213...		Spread mm	Reach mm
1	010		100	100
2	013		150	125
3	016		200	165



56 213...

56 214 Combination puller, three legged

with adjustable length (reach) puller jaws



can be used as three
and two-legged puller

Size	56 214...		Spread mm	Reach mm
00	001		120	100
01	002		200	150
02	003		300	220
1	004		400	280
2	005		450	400
3	006		550	540



56 214...

56 222 Puller, three legged

for pulling off battery terminals and small ball bearings



space-saving design



56 222...

Size	56 222...		Spread mm	Reach mm
11	010		60	50
12	013		70	70
13	016		80	80

56 400 Separating and pulling devices

two-legged, space-saving design, for removing flush sitting parts, such as axle bearings, ball bearing rings, pinions, etc.



56 400...

Size	56 400...		Spread mm	Reach mm
1	010		95	170
2	013		135	270
3	016		150	325

56 402 Internal puller

for pulling out bushings, ball bearings and ball bearing outer rings, even bearings sitting tightly on the rear panel are securely grasped and quickly pulled out thanks to the excellent clamping effect



56 402...

Size	For hole sizes mm	56 402...	
0	5 - 8	007	
00	6 - 10	008	
01	8 - 12	009	
02	10 - 14	010	
1	12 - 16	011	
2	14 - 19	013	
3	18 - 23	016	
4	20 - 30	019	
5	28 - 40	022	
6	36 - 46	025	
7	45 - 58	028	
8	56 - 70	031	
9	70 - 100	034	
10	56 - 110	037	
11	100 - 200	040	

56 403 Bridge yokes

for internal puller No. 56 402... including reducer



56 403...

Size	For internal puller size	56 403...		Connection
1	0 - 02; 1 - 5	010		with reducer; without reducer
2	3 - 8	013		with reducer; without reducer
3	6 - 9	016		with reducer; without reducer
4	10	019		-
5	11	023		-

56 404 Slide hammer units

for internal pullers No. 56 402..., use where space is at a premium, instead of the bridge yoke



56 404...

Size	For internal puller Size	56 404...	
0	0 - 2	007	
1	3 - 8	010	

56 406 Slide hammer sets

10-piece slide hammer set with one slide hammer and 9 adapters

**Use:**

For pulling off and out parts with internal thread. The corresponding thread insert is screwed into the threaded hole of the part to be pulled off and is then pulled off or out by powerful hits with the slide hammer.

Type:

Stable, black surface finished extractor with ergonomically shaped slide hammer. Threaded pins according to DIN 913.

Scope of supply:

- Plastic case 275 x 230 x 80 mm
- 1 slide hammer bar

With M12 the slide hammer bar is used without thread insert.



56 406 001

...001:

6 thread inserts: M3, M4, M5, M6, M8, M10

...003:

6 thread inserts: M6, M8x1, M10, M10x1, M 12x1, 15x1.5 mm



56 406 003

For thread	56 406...		Sliding weight kg	Sliding distance mm
M3 to M12	001		0.9	230
M6 to M12	003		0.9	230

56 405 Internal extractor sets

equipped with internal extractors and bridge yokes, set in metal case



Size	For hole sizes mm	56 405...		Scope of supply
A	12 - 46	080		6 internal pullers; size 1 - 6; 2 bridge yokes: Size 1 and 2
B	12 - 70	100		8 internal pullers; size 1 - 8; 2 bridge yokes: Size 1 and 2
C	12 - 110	120		8 internal pullers; size 1 - 7 and 10; 3 bridge yokes: Size 1, 2 and 4



56 405 080

56 442 Puller chuck

for pulling off detachable ball bearing inner rings on magnets, dynamos, electric motors and small electric machines, operates in the same way as keyless three-jaw drill chucks



56 442...

Size	Spread mm	56 442...	
23	5 - 32	023	

56 452 Pullers

for ball bearings which sit in a housing on the shaft,
Puller without jaws



56 452...

Size	For suitable jaws, per set No. 56 453...	56 452...	
1	711 - 712 - 713	010	
2	721 - 722	013	
3	731 - 732	016	

56 453 Jaws

for puller No. 56 452...

Size 012, 013, 022, 031, 032, with additional support rings for
bridging various larger bearing ring spacings



Set No.	For puller size	56 453...		Length mm	For ball bearings
711	1	011		150	6000,6001,6002,6003,6200
712	1	012		150	6004,6005,6006,6201 6202,6203,6300
713	1	013		170	6204,6205,6301,6302,6303
721	2	021		180	6007,6008,6009,6010,6013
722	2	022		180	6011,6012,6206,6207 6304,6306
731	3	031		217	6208,6209,6210,6307,6403,6407
732	3	032		217	6211,6212,6308,6309,6310 6311,6404,6405,6406,6408

56 454 Ball bearing puller set

equipped with puller and jaws, in plastic case



56 454...

Size	Contents of the case	56 454...	
A	1 puller, size 1; 3 sets of jaws; No. 56453 011 - 013; 1 puller, size 2; 2 sets of jaws; No. 56453 021 - 022; 1 puller, size 3; 2 sets of jaws; No. 56453 031 - 032; 1 set of support rings	110	

56 456 Bearing installation tool set

for fast and safe installation of rolling contact bearings with bore
diameters up to 50 mm and problem-free mounting of bushings,
sealing rings, belt pulleys and similar parts.

- 33 different, hardened driver rings
- 5 driver sleeves, which can be pushed over the respective shaft end
by up to 220 mm
- a dead-blow hammer (0.7 kg) with spark-free soft head made of
nylon.

The precisely matched and precisely produced components ensure
that the installation force is uniformly transferred to the side faces
of the inner and outer ring when installing bearings on shafts or in
housing holes.



56 456...

Size	For hole Ø mm	for outer Ø mm	56 456...	
71	10 - 50	26 - 110	001	



56 457 Bearing installation tool set

37-piece in stable plastic case

Designed for the installation of rolling-contact bearings, bushings, spacing rings and seals on shafts with a diameter of 10 - 50 mm or in holes with a diameter of 26 - 110 mm. Professional installation of rolling contact bearings because the installation tool set prevents the installation forces from being transferred through the rolling element to the bearing seat. **No damage to the bearing during assembly.**

Driving rings made of shockproof plastic, driving sleeves made of aluminium and the case made of robust plastic. The resulting total weight is 4.70 kg.

Scope of supply:

- 33 different driving rings made of shockproof plastic
- 3 matching driving sleeves made of aluminium, which can be pushed max. 220 mm over the shaft end
- non-rebound soft face hammer.

Driving rings Ø mm	56 457...		Driving sleeves Ø mm
10 - 50	001		18 - 32 - 52



56 457 001

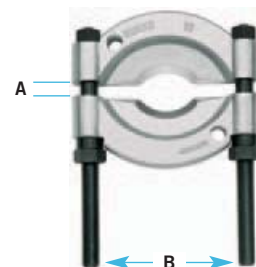
56 502 Separators

for pulling off ball bearings, roller bearings, inner rings and tightly sitting parts,

No. 56 502 007 - 022 the separator jaws are clamped by tightening the nuts on the side bolts

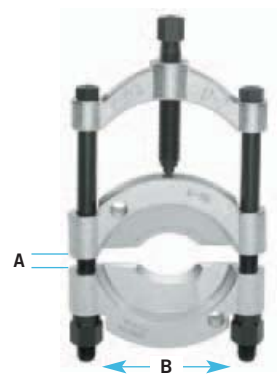
No. 56 502 037 - 046 the separator jaws are clamped by the forcing screw

for suitable puller unit, see **No. 56 522...**



56 502 007-022

Size	Suitable puller unit No. 56 522...	56 502...		B Side bolt spacing mm	A clamping range mm
0	007	007		60	5 - 60
1	010	010		75	12 - 75
2	013	013		115	22 - 115
3	016	016		155	25 - 155
4	019	019		200	30 - 200
5	022	022		250	30 - 250
With forcing screw					
0	007	037		60	5 - 60
1	010	040		75	12 - 75
2	013	043		115	22 - 115
3	016	046		155	25 - 155



56 502 037-046

56 522 Puller units

suitable for separators **No. 56 502...**



Size	L mm	56 522...		Length of the tension bolts mm	Suitable separator No. 56 502...
0	71 - 150	007		150	007 + 037
1	120 - 200	010		200	010 + 040
2	125 - 250	013		250	013 + 043
3	144 - 302	016		300	016 + 046
4	134 - 350	019		350	019
5	225 - 400	022		400	022



56 522...

56 523 Extension

suitable for puller unit No. 56 522..., per pair



Size	Length mm	56 523...		Suitable puller unit No. 56 522...
0 / 1	100	007		007 and 010
2	100	013		013
3	100	016		016
4	200	019		019
5	200	022		022



56 523...

56 458 Separator setsSeparator and puller made of special steel
Supplied in stable sheet steel caseFor separating tightly sitting ball bearings, gears, inner rings, etc.,
when the gap is too small for normal puller jaws.**Separator:**The hemispherical separator jaws are uniformly clamped by a forcing
screw. The wedge-shaped jaws press between the bearing and seat.**Puller:**In conjunction with the separator for pulling the loosened bearing off
the seat.

Clamping range from - to	56 458...	
5 - 60	005	
12 - 75	012	
22 - 115	022	
25 - 155	025	
30 - 200	030	
30 - 250	031	



56 458 005

56 526 Flange driverfor DIN flanges. This practical tool enables fast and safe separation
of the flange connections of pipes for carrying out maintenance
work such as changing seals, etc. After the work has been completed
the flanges are returned to their exact initial position.

Size	For flange with nominal size mm	56 526...	
1	80 - 250	001	
2	50 - 1200	002	



56 526...

56 531 Fork type ball joint separators

a universal tool for separating and dismantling work.

The wedge-shaped fork can be used in even the most confined
spaces and gaps. Hammer blows on the handle drive apart the parts
to be separated

Size	Fork opening mm	56 531...	
1	18	010	
2	23	013	
3	29	016	



56 531...

56 540 Ball joint puller

suitable for the following car makes only: BMW, Fiat, Ford, Mercedes-Benz, Nissan, Opel, Toyota, VW, Audi, Volvo



56 540...

Size	Fork opening mm	56 540...		Lever clamping range, two-stage, up to mm	For ball joints with nominal size
0	20	010		50	27 - 30

56 542 “Universal” spring compressor

the handy universal tool for replacing screw springs when installed or not in vehicles with maximum 2000 kg self weight, with “GS” mark, always use in pairs



56 542...

Size	Clamping range mm	56 542...		Weight kg
5 - 0	200	010		2.5
5 - 1	300	011		2.8
5 - 2	400	012		3.1

56 544 Car workshop set

in metal box



56 544...

Scope of supply	56 544	
Spring compressors (pair); ball joint puller; separator and installation lever; axle puller; non-rebound soft face hammer; special pry bar	010	

56 602 Stud bolt extractor

The knurled wheel with a groove securely presses the stud bolt against the internal toothings, when turned out the stud bolt is within the area of the spanner and cannot break off



56 602...

Size	Clamping range mm	56 602...	
1	5 - 10	010	
2	8 - 19	013	
3	18 - 25	016	

56 604 Stud bolt extractor

For screwing in and out stud bolts with right-hand or left-hand thread, especially in very confined space conditions; with 1/2" internal square and 21 mm external hexagon, for use with ring spanners or reversible ratchets 1/2",

No. 56 604 400 as set in plastic case



56 604...

as set, see Prod. No.
56 604 400

Size	56 604...		For screw Ø	Overall length	External Ø
			mm	mm	mm
6	025		6	65	24
8	031		8	65	24
10	037		10	75	27
12	043		12	75	27
6 - 12	400		Contents: 1 stud bolt extractor each No. 56 604 025, 031, 037, 043		

56 609 Special spanner

for screwing in and out studs (stud bolts)



56 609...

Overall length	56 609...		Head thickness	For stud Ø
mm			mm	mm
315	010		20	5 - 20

56 622 Nut splitter, mechanical

for splitting stuck nuts



56 622 007

Size	For nuts with width across flats mm	56 622...	
0	4 - 10	007	
1	10 - 18	010	
2	19 - 27	013	
3	27 - 36	016	

56 632 Nut splitter, hydraulic

for splitting irremovably stuck nuts in **quality class 5, 6, 8 and 10**. The double cranking enables it to be used in even the most confined spaces. Thanks to the hydraulics, little effort is required.



56 632 010



56 632 013

Size	For nuts with width across flats mm	56 632...		for nuts
1	7 - 22	010		M4 - M14
2	22 - 36	013		M14 - M24

56 652 Screw extractors

Chrome vanadium steel, for removing broken off screws, with square for use with tap wrenches or die stocks



56 652...

Size	For screws	56 652...		Twist drill Ø for pre-drilling mm
1	M 3 - 6	010		1.8
2	M 6 - 8	013		3.2
3	M 8 - 11	016		4.5
4	M 11 - 14	019		6.5
5	M 14 - 18	022		8.5
6	M 18 - 24	025		12
7	M 24 - 33	028		15
8	M 33 - 45	031		20

56 654 Screw extractor, double-edged

- For damage-free unscrewing of broken off screws or threaded bolts from threaded holes
- Can be used for right-hand and left-hand threads
- For safe, firm fit the extractor is knocked into the drillhole
- With dead centre
- Slip-resistant, double-edged engagement
- Material: CrV steel, hardened
- Surface: black finished, cutting surface polished

...101:

- 5-piece set (size 1 to 5) in metal box



56 654 101

Size	56 653...		Hole Ø min mm	Hole Ø max mm	Screw size min	Screw size max
1	001		3.2	4.8	M 5	M 6
2	002		4.8	7.1	M 8	M 10
3	003		6.4	9.5	M 10	M 12
4	004		8.7	12.7	M 12	M 16
5	005		11.1	15.9	M 16	M 20
6	006		14.3	19.1	M 20	M 24
7	007		19.1	23.8	-	M 30
Set	101		Consisting of ...001 to ...005, in metal box			



56 654 101

56 653 Screw extractor sets

Chrome vanadium steel, for removing broken off screws, in plastic box, with square for use with tap wrenches or die stocks



56 653 050



56 653 060



56 653 080

Size	For screws	56 653...		Contents Qty
A	3 - 18	050		5
B	3 - 24	060		6
C	3 - 45	080		8

56 655 Screw extractor set

16 piece, extractor made of chrome vanadium molybdenum steel, HSS twist drill, black finish

- for removing damaged or broken off screws, with right-hand or left-hand thread from M4 - M16
- Use: Pre-drill damaged screw using enclosed drill bit, knock in screw extractor, push on ring spanner to the bottom, screw out without tilting or jamming



Contains extractors mm	56 655...		Extractor length mm	Drill bit Ø mm	Drill bit length mm
2; 2.5; 3; 4; 5; 6; 8; 10	001		85; 85; 85; 85; 85; 95; 95; 110	2.3; 2.8; 3.4; 4. 5.5; 7; 6.8; 9; 11	53; 61; 70; 89; 93; 109; 117; 142



56 655...

57 004 Screwdrivers

Chrome plated, made of high-alloy chrome vanadium steel, hexagonal bolster for using a spanner, wooden handle for optimum torque transfer, even with oily or wet hands, sealed beechwood protected by leather cap, **Standard: ISO 2380**



57 004...

Blade tip mm	57 004...		Blade length mm	Total length mm	Hexagon mm
3.5 x 0.6	055		75	175	6
4.5 x 0.8	073		90	185	6
5.5 x 1.0	092		100	200	8
7 x 1.2	110		125	230	10
9 x 1.4	123		150	270	12
10 x 1.6	129		175	295	12
12 x 2.0	148		200	330	13

57 004 Screwdriver sets

consisting of No. 57 004...

Number of screwdrivers	57 004...		Blade tip width mm
4	801		3.5 - 7
5	802		3.5 - 9
6	803		3.5 - 10



57 004...

57 014 Electricians' screwdrivers

with **red square handle** made of **cellulose acetate**, impact-resistant, blade made of special chrome vanadium molybdenum steel, hardened throughout, bright nickel-plated



57 014...

Blade tip mm	57 014...		Blade length mm	Total length mm
2.5 x 0.4	037		75	150
3.5 x 0.5	055		100	185
4.5 x 0.6	073		100	195
5.5 x 0.8	091		125	230
7 x 1.0	109		150	265
8 x 1.2	115		175	290
10 x 1.6	127		200	325
12 x 2.0	145		250	375

57 028 Engineers' screwdrivers

with **red square handle** made of **cellulose acetate**, blade made of special chrome vanadium molybdenum steel, hardened throughout, bright nickel-plated, hexagonal bolster



57 028 055 - ...165

Blade tip mm	57 028...		Blade length mm	Total length mm	Hexagon mm
3.5 x 0.6	055		75	160	6
4.5 x 0.8	073		90	185	6
5.5 x 1.0	092		100	205	8
7 x 1.2	110		125	240	10
8 x 1.2	115		150	265	12
10 x 1.6	129		175	290	12
12 x 2.0	148		200	325	13
14 x 2.5	165		250	375	16
4 x 0.8	240		25	85	-
5.5 x 1.0	255		25	85	-
8 x 1.2	280		25	85	-



57 028 240 - ...280

57 018 Electricians' screwdrivers

for plain slotted screws

Handle: Ergonomic triangular shape corresponds to the ideal angle of rotation of the hand (120°), with quick-turn zone and anti-slip protection made of soft plastic, highly impact-resistant core, triangular shaped collar prevents the key from rolling away, practical hang hole for more order.

Blade: Special, highly hardened and tempered steel, matt chrome-plated, durably labelled, with black blade tip for maximum precision.

Primat

57 018...

Blade tip mm	57 018...		Blade length mm	Total length mm
3 x 0.5	030		75	165
3.5 x 0.6	035		100	190
4 x 0.8	040		125	215
5.5 x 1.0	055		150	250
5.5 x 1.0	056		200	300

57 015 Engineers' screwdrivers

for plain slotted screws

Handle: Type as above**Blade:** Type as above**Primat**

57 015...

Blade tip mm	57 015...		Blade length mm	Total length mm
3.5 x 0.6	035		100	190
4 x 0.8	040		100	190
5.5 x 1.0	055		125	225
6.5 x 1.2	065		150	260
8 x 1.6	080		175	300
10 x 1.6	100		200	325

57 100 Screwdriver set

consisting of 57 015... and 57 018...

Blade size: 3.0 x 0.5 x 75 mm
3.5 x 0.6 x 100 mm
4.0 x 0.8 x 100 mm
5.5 x 1.0 x 125 mm
6.5 x 1.2 x 150 mm

Number of screw- drivers	57 100...	
5	400	

Primat

57 100 400

57 062 Screwdrivers

with **round blades** made of chrome vanadium molybdenum steel, hardened throughout, matt chrome-plated, WIHA ChromeTop tip,

Wiha Soft Finish handle for maximum torques and optimum handling



57 062...

57 068 Screwdrivers

Type as above; however, with **WIHA MicroFinish handle, with slip-proof surface structure**, optimum for oily and wet hands, impact-resistant, black, cadmium-free



57 068...

Blade tip mm	57 062...		57 068...		Blade length mm	Total length mm
2.5 x 0.4	037		-	-	75	179
3 x 0.5	043		-	-	80	184
3 x 0.5	045		-	-	150	254
3.5 x 0.6	056		-	-	100	204
4 x 0.8	065		065	-	100	211
4 x 0.8	066		066	-	150	261
4.5 x 0.8	074		-	-	125	236
5.5 x 1.0	092		-	-	125	236
5.5 x 1.0	-	-	093	-	150	261
5.5 x 1.0	094		-	-	200	311
6.5 x 1.2	106		106	-	150	268
8 x 1.2	117		117	-	175	299
10 x 1.6	130		130	-	200	324



57 029 Screwdrivers

for plain slotted screws

Handle: Ergonomic triangular shape corresponds to the ideal angle of rotation of the hand (120°), with quick-turn zone and anti-slip protection made of soft plastic, highly impact-resistant core, triangular shaped collar prevents the key from rolling away, practical hang hole for more order.

Blade: Special, highly hardened and tempered steel, matt chrome-plated, durably labelled, with black blade tip for maximum precision.



57 029...

Blade tip mm	57 029...		Blade length mm	Total length mm	Hexagon mm
5.5 x 1.0	055		100	200	8
6.5 x 1.2	065		125	235	10
8 x 1.2	080		150	275	13
10 x 1.6	100		175	300	13

57 032 Screwdrivers

with **WIHA Soft Finish** handle, **hexagon blade** made of high-quality chrome vanadium molybdenum steel, hardened throughout, with hexagonal bolster for spanner, matt chrome-plated, WIHA ChromTop tip



57 032...

57 038 Screwdrivers

Type as above; however, with **WIHA MicroFinish** handle, with **slip-proof surface structure**, optimum for oily and wet hands, impact-resistant, black, cadmium-free



57 038..

Blade tip mm	57 032...		57 038...		Blade length mm	Total length mm	Hexagon mm
3.5 x 0.6	255		-	-	75	186	-
4.5 x 0.8	273		073	-	90	201	-
5.5 x 1.0	292		092	-	100	213	8
6.5 x 1.2	-	-	106	-	125	240	10
7 x 1.1	310		-	-	125	238	10
8 x 1.2	-	-	117	-	150	271	13
9 x 1.4	323		-	-	150	268	13
10 x 1.6	329		127	-	175	293	13
12 x 2.0	348		-	-	200	318	16
14 x 2.5	365		-	-	250	368	16

57 010 Screwdrivers, impact-resistant

with **WIHA Soft Finish** handle and **metal end cap** as striking plate, **continuous hexagon blade through whole handle**, made of high-quality chrome vanadium molybdenum steel, hardened throughout, matt chrome-plated, Wiha ChromTop tip, hexagonal bolster for spanner



impact-proof, continuous
blade through handle



57 010...

Blade tip mm	57 010...		Blade length mm	Total length mm	Hexagon mm
3.5 x 0.6	255		75	186	-
4.5 x 0.8	273		90	201	-
5.5 x 1.0	291		100	213	8
6.5 x 1.2	309		125	238	10
8 x 1.2	321		150	271	13
10 x 1.6	327		175	296	13
12 x 2.0	345		200	321	16
14 x 2.5	363		250	371	16

57 072 Offset screwdriver

DIN 5200, **plastic grip handle**, impact-proof, blade tip position 0° and 90°, for plan slotted screws, blade made of chrome vanadium steel, hardened throughout, chrome-plated



57 072...

Blade tip mm	57 072...		Total length mm
3.5 x 0.6	055		90
4 x 0.8	065		100
5.5 x 1.0	092		125
8 x 1.2	117		150
10 x 1.6	129		175
12 x 2.0	148		200



57 100 Screwdriver set

consisting of 57 015..., 57 018... and 57 117...

Number of screwdrivers	57 100...		Blade type	Blade size mm
6	420		Plain slot Plain slot Plain slot Plain slot Phillips Phillips	3.0 x 75 4.0 x 100 5.5 x 125 6.5 x 150 1 x 80 2 x 100

Primat®



57 100 420

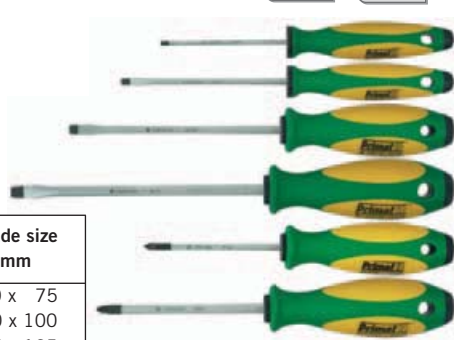


57 100 Screwdriver set

consisting of 57 015..., 57 018... and 57 155...

Number of screwdrivers	57 100...		Blade type	Blade size mm
6	440		Plain slot Plain slot Plain slot Plain slot Pozidrive Pozidrive	3.0 x 75 4.0 x 100 5.5 x 125 6.5 x 150 1 x 80 2 x 100

Primat®



57 100 440

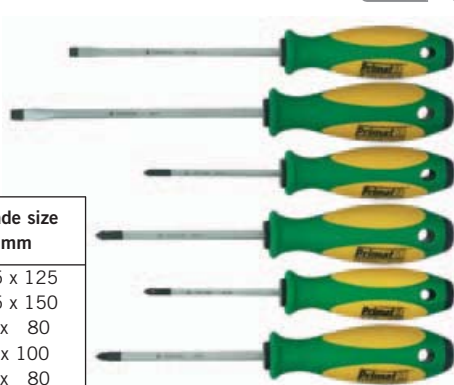


57 100 Screwdriver set

consisting of 57 015..., 57 117... and 57 155...

Number of screwdrivers	57 100...		Blade type	Blade size mm
6	460		Plain slot Plain slot Phillips Phillips Pozidrive Pozidrive	5.5 x 125 6.5 x 150 1 x 80 2 x 100 1 x 80 2 x 100

Primat®



57 100 460



57 100 Screwdriver set

consisting of 57 117... and 57 155...

Number of screwdrivers	57 100...		Blade type	Blade size mm
6	480		Phillips Phillips Phillips Pozidrive Pozidrive Pozidrive	0 x 60 1 x 80 2 x 100 0 x 60 1 x 80 2 x 100

Primat®



57 100 480



57 033 Screwdriver set

6-piece consisting of No. 57 032... and 57 132...



57 033 400

57 039 Screwdriver set

consisting of No. 57 038... and No. 57 136...



57 039...

57 330 Screwdriver sets, impact-proof

Wera Chiseldriver®. With metal impact cap and continuous blade through handle. Extra tough.

Blade: Continuous hexagonal blade made of high-quality bits material, hexagonal bolster for use with spanner, precise-fitting Wera Black Point tip

Handle: Ergonomic multi-component Kraftform® handle; integrated impact cap



57 330...

Contents Qty	Blade type	Blade width / length mm	57 330...	
6	Plain slot Plain slot Plain slot Plain slot Phillips Phillips	3.5 x 100 4.5 x 90 5.5 x 100 7.0 x 125 Size 1 x 80 Size 2 x 100	106	
6	Plain slot Plain slot Plain slot Plain slot Pozidrive Pozidrive	3.5 x 80 4.5 x 90 5.5 x 100 7.0 x 125 Size 1 x 80 Size 2 x 100	206	
6	TX 15, TX 20, TX 25, TX 27, TX 30, TX 40		306	



57 302 Ratchet handle

Reversible tool, free running ratchet and bit holder. Holder for 6 mm combination interchangeable blades 57 308... and 1/4" Bits. Ergonomically designed handle with free running ratchet and bit holder enables powerful and tireless, no-fatigue working. Fast screwing in and out with two fingers or fixed, powerful fastening using the handle.



Handle length mm	57 302...		Ratchet width mm
100	010		85



57 302...

57 304 Reversible, power handle

6 mm hexagon holder for interchangeable blades 57 308..., **WIHA Soft Finish** telescopic handlecellulose acetate, impact-resistant, red, cadmium-free, Advantages: Extensive range in the smallest space



Handle length mm	57 304...		Handle Ø mm
115	122		36



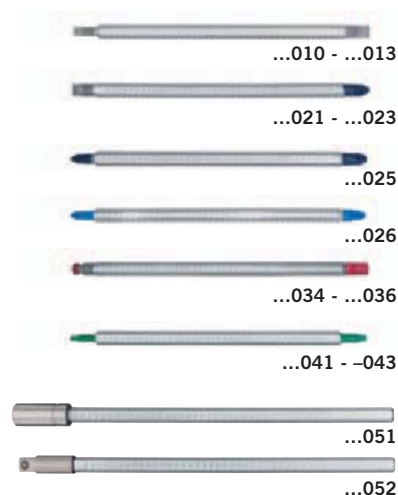
57 304...

57 308 Reversible blades

High-quality chrome vanadium molybdenum steel, hardened throughout, matt chrome-plated, 6 mm hexagon for ratchet and reversible power handle **No. 57 302... and 57 304...**



Blade length mm	57 308...		Blade type	Blade size
150	010		Plain slot	4 x 6
150	013		Plain slot	5.5 x 6.5
150	021		Plain slot - Phillips	4 x Size 1
150	022		Plain slot - Phillips	6 x Size 2
150	023		Plain slot - Phillips	6.5 x Size 3
150	025		Phillips	Size 1 x Size 2
150	026		Pozidrive	Size 1 x Size 2
150	034		Hexagon - Ball point	AF 4 x AF 4
150	035		Hexagon - Ball point	AF 5 x AF 5
150	036		Hexagon - Ball point	AF 6 x AF 6
150	041		TORX®	T 10 x T 15
150	042		TORX®	T 20 x T 25
150	043		TORX®	T 30 x T 40
164	051		Bit holder	1/4"
166	052		Holder for sockets (slotted nut driver)	1/4"



57 316 Screwdriver set, 11 piece.

Blades made of high-quality chrome vanadium molybdenum steel, hardened throughout, matt chrome-plated, free running ratchet with WIHA Topra handle, made of high-quality plastic, impact-resistant, red, cadmium-free, 6 mm hexagonal holder for WIHA reversible blades (Prod. No. 57 308...)



Contents Blade type	Blade width / size	57 316...	
Topra ratchet handle Plain slot / Plain slot Phillips / Phillips Pozidrive / Pozidrive TORX® / TORX® Hex. (Allen screw) / Hex. (Allen screw)	4.0 - 6.0 / 5.5 - 6.5 PH1 - PH2 PZ1 - PZ2 T10 - T15 / T20 - T25 / T30 - T40 4 - 4 / 5 - 5 / 6 - 6	010	



57 316 010

57 320 Interchangeable blades set, telescopic

- 11 piece
- Flexible, versatile precision reversible tool system
- Sets in space-saving roll bags made of black synthetic leather, extra strong
- Ergonomic handle for every use
- Colour-coded blades made of high-quality, tough, hard, chrome vanadium molybdenum steel, hardened throughout, matt chrome-plated
- Wiha ChromTop® tips ensure maximum dimensional stability

...004:

- 4 mm blade Ø
- Telescopic from 18 - 90 mm

...006:

- 6 mm blade Ø
- Telescopic from 42 - 114 mm



57 320 004



57 320 006

Telescopic from to mm	57 320...		Blade type	Blade size mm
18 - 90	004		Plain slot Phillips/Pozidrive Torx Hex. (Allen)/Ball point	1.5 - 3.0 / 2.0 - 3.5 / 2.5 - 4.0 PH 000 - 00 / PH 0 - 1 6 - 8 / 7 - 9 1.5 - 1.5 / 2 - 2 / 2.5 - 2.5
42 - 114	006		Plain slot Phillips/Pozidrive Torx Hex. (Allen)/Ball point	4.0 - 6.0 / 5.5 - 6.5 PH 1 - 2 / PZ 1 - 2 10 - 15 / T 20 - 25 / T 30 - 40 4 - 4 / 5 - 5 / 6 - 6

57 102 Screwdrivers

Chrome plated, made of high-alloy chrome vanadium steel, **hexagonal bolster** for using a spanner, **wooden handle** for optimum torque transfer, even with oily or wet hands, sealed beechwood protected by leather cap, for **Phillips** screws, **Standard: ISO 8764**



57 102...

Size	57 102...		Blade length mm	Hexagon mm	Total length mm
1	010		80	6	180
2	013		100	10	205
3	016		150	12	270
4	019		200	16	340

57 102 Screwdriver sets

consisting of No. 57 102...

Number of screwdrivers	57 102...		Size
3	801		1 - 3
4	802		1 - 4



57 102...

57 112 Screwdrivers

with **red square handle** made of **cellulose acetate**, impact-resistant, round blade made of special chrome vanadium molybdenum steel, hardened throughout, bright nickel-plated, for **Phillips** screws



57 112 007-019

Size	57 112...		Blade length mm	Total length mm
0	007		60	135
1	010		80	175
2	013		100	205
3	016		150	265
4	019		200	325
01	020		25	85
02	023		25	85
03	026		25	85



57 112 020-026



57 117 Screwdrivers

for PH Phillips screws

Handle: Ergonomic triangular shape corresponds to the ideal angle of rotation of the hand (120°), with quick-turn zone and anti-slip protection made of soft plastic, highly impact-resistant core, triangular shaped collar prevents the key from rolling away, practical hang hole for more order.

Blade: Special, highly hardened and tempered steel, matt chrome-plated, durably labelled, with black blade tip for maximum precision.



57 117...



57 128...

57 128 Screwdrivers

Type as 57 117...; however, with hexagonal bolster for use with spanner, **for PH Phillips screws**

Size	57 117...		57 128... Hexagon		Blade length mm	Total length mm	Hexagon 57 128... only mm
1	001		-	-	60	150	-
1	010		010		80	180	6
2	020		020		100	210	10
3	030		030		150	275	13

57 122 Screwdrivers

Round blade made of high-quality chrome vanadium molybdenum steel, hardened throughout, matt chrome-plated, WIHA ChromTop tip, for **Phillips screws**, with **Wiha Soft Finish handle** for maximum torques and optimum handling



57 122 007-019



57 122 020-023



57 126...

57 126 Screwdrivers

Type as above; however, with **WIHA Micro-Finish handle**, **Micro-Finish Zone with slip-proof surface structure, optimum for oily and wet hands**, impact-resistant, black, cadmium-free, for **Phillips screws**

Size	57 122...		57 126...		Blade length mm	Total length mm
0	007		-	-	60	164
1	010		010		80	191
1	011		011		200	311
2	013		013		100	218
2	014		014		200	318
3	016		016		150	274
4	019		-	-	200	324
01	020		-	-	25	81
02	023		-	-	25	81

57 132 Screwdrivers

Hexagonal blade made of high-quality chrome vanadium molybdenum steel, hardened throughout, matt chrome-plated, **hexagonal bolster for use with spanner**, **WIHA Soft Finish handle** made of special soft material, pleasant to the touch, for maximum torques, for **Phillips screws**



57 132...

Size	57 132...		Blade length mm	Total length mm	Hexagon mm
1	010		80	186	8
2	013		100	213	10
3	016		150	268	13
4	019		200	318	16

57 136 Screwdrivers, impact-resistant

with striking plate, **hexagonal blade extends through whole handle**, made of high-alloy chrome vanadium molybdenum steel, hardened, matt chrome-plated, WIHA ChromTop tip, hexagonal bolster for use with spanner, **WIHA Micro Finish handle with slip-resistant surface structure optimum for use with wet or oily hands**, impact-resistant, black, cadmium-free, for **Phillips screws**



impact-proof, continuous
blade through handle



57 136...

Size	57 136...		Blade length mm	Total length mm	Hexagon mm
1	010		80	187	8
2	013		100	214	10
3	016		150	271	13

57 152 Offset screwdrivers

DIN 5208, chrome vanadium steel blade, hardened throughout, chrome plated, high-quality plastic handle, impact-resistant, black, cadmium-free, for **Phillips screws**



57 152...

57 176 Offset screwdriver

Blade made of chrome vanadium steel, hardened throughout, manganese phosphated, high-quality plastic handle, impact resistant, red, cadmium-free, for **Pozidriv e/Supadrive cross-slot screws**



57 176...

Size	57 152...		57 176...		Total length mm
1+2	010		010		125
2+3	013		013		150

57 123 "Orbit" screwdrivers

for **Phillips screws**

SoftFinish® Orbit advantages:

movable screwdriver tip positions itself in the screw head with keyed fit • enables force-saving fastening at an angle of up to 20° • also ideally suited for difficult to access places • spring mounted, movable • screwdriver tip, specially hardened and black finished • shank made of high-quality chrome vanadium molybdenum steel, hardened throughout and matt chrome plated • SoftFinish® multi-component handle ensures perfect grip comfort



57 123...

**57 158 "Orbit" screwdrivers**

Type as above; however, for **Pozidriv e/Supadrive cross-slot screws**



57 158...

Size	57 123...		57 158...		Blade length mm	Total length mm
1	010		010		80	186
2	013		013		100	213

57 157 "All in one" screwdrivers

- 6 output drives (PH 1/2/3 - PZ 1/2/3) are combined in one blade tip only
- Fulfills all torques provided for by the DIN
- Perfected flank geometry at the blade tip
- Hexagon blade made of special optimised steel with hexagonal bolster
- Ergonomic multi-component handle for very good force transfer



1 blade for
6 screw types

57 157 100

Output drives	57 157...		Blade length mm	Total length mm
PH 1 / 2 / 3 PZ 1 / 2 / 3	100		110	210

57 155 Screwdrivers

for **PZ Pozidriv screws**

Handle: Ergonomic triangular shape corresponds to the ideal angle of rotation of the hand (120°), with quick-turn zone and anti-slip protection made of soft plastic, highly impact-resistant core, triangular shaped collar prevents the key from rolling away, practical hang hole for more order.

Blade: Special, highly hardened and tempered steel, matt chrome-plated, durably labelled, with black blade tip for maximum precision.



57 155...

Size	57 155...		Blade length mm	Total length mm
0	001		60	150
1	010		80	180
2	020		100	210
3	030		150	275



57 160 Screwdrivers

Round blade made of high-quality chrome vanadium molybdenum steel, hardened throughout, matt chrome-plated, WIHA ChromTop tip, WIHA Micro Finish handle, with slip-resistant surface structure, optimal for use with oily or wet hands, for Pozidrive/Supadrive cross-slot screws



57 160...

Size	57 160...		Blade length mm	Total length mm
1	010		80	192
2	013		100	220
3	016		150	277

57 161 Screwdrivers

for Pozidrive

Handle: Ergonomic triangular shape corresponds to the ideal angle of rotation of the hand (120°), with quick-turn zone and anti-slip protection made of soft plastic, highly impact-resistant core, triangular shaped collar prevents the key from rolling away, practical hang hole for more order.

Blade: Special, highly hardened and tempered steel, matt chrome-plated, durably labelled, with black blade tip for maximum precision.



57 161...

Size	57 161...		Blade length mm	Total length mm	Hexagon mm
1	010		80	180	6
2	020		100	210	10
3	030		150	275	13

57 162 Screwdrivers

with hexagonal blade made of high-quality chrome vanadium molybdenum steel, hardened, matt chrome-plated, WIHA ChromTop tip, calibrated, hexagonal bolster for use with spanner, Wiha Soft Finish handle, for maximum torques and optimum handling, for Pozidrive/Supadrive cross-slot screws



57 162...

Size	57 162...		Blade length mm	Total length mm	Hexagon mm
1	010		80	186	8
2	013		100	213	10
3	016		150	268	13

57 166 Screwdrivers, impact-resistant

with striking plate, hexagonal blade continues through whole handle, special chrome vanadium molybdenum steel, hardened, matt chrome-plated, WIHA ChromTop tip, hexagonal bolster for use with spanner, WIHA Micro Finish handle as 57 160..., impact-resistant, for Pozidrive/Supadrive cross-slot screws



impact-proof, continuous
blade through handle



57 166...

Size	57 166...		Blade length mm	Total length mm	Hexagon mm
1	010		80	187	8
2	013		100	214	10
3	016		150	271	13

57 464 Magnetiser and demagnetiser

for magnetising and demagnetising screwdriver blades, tweezers and similar tools made of steel, housing made of high-quality plastic, breakproof, green, cadmium-free, instructions for use: For magnetising the tools are slowly passed through the bottom, rectangular opening (+), for demagnetising they are passed through the upper opening (-).

Coil opening mm	57 464...		Dimensions mm
24 x 15	010		52 x 29 x 50



57 464...

57 402 Slotted nut driver

for slotted nuts to DIN 546, DIN 3115, blade made of chrome vanadium steel, hardened throughout and matt chrome-plated, square handle.



57 402...

For slotted nuts	57 402...		Outer blade width	Blade tip thickness	Blade length	Total length
			mm	mm	mm	mm
M 2.6	039		5.5	1.2	90	175
M 3	043		6	1.2	100	195
M 4	064		8	1.4	100	205
M 5	085		10	2	125	230
M 6	097		11	2.5	125	230
M 8	115		14	3	150	265

57 416 Screw holding screwdriver

Screw is held fast by the clamping sleeve. Blade made of chrome vanadium steel, hardened throughout, black finish, polyamide clamping sleeve, sheathed sliding sleeve, WIHA square handle made of cellulose acetate, impact-resistant, red, cadmium-free



57 416...

Blade tip width mm	57 416...		Blade length mm	Total length mm
3	044		100	195
4	065		125	230
5	087		150	265
6	099		175	290

57 422 Screw holding screwdriver

PH Phillips screws, screw is held fast by clamping screw, with WIHA square handle, blade made of chrome vanadium steel, hardened throughout, black finish, polyamide clamping sleeve, sheathed sliding sleeve, WIHA square handle cellulose acetate, impact-resistant, red, cadmium-free



57 422...

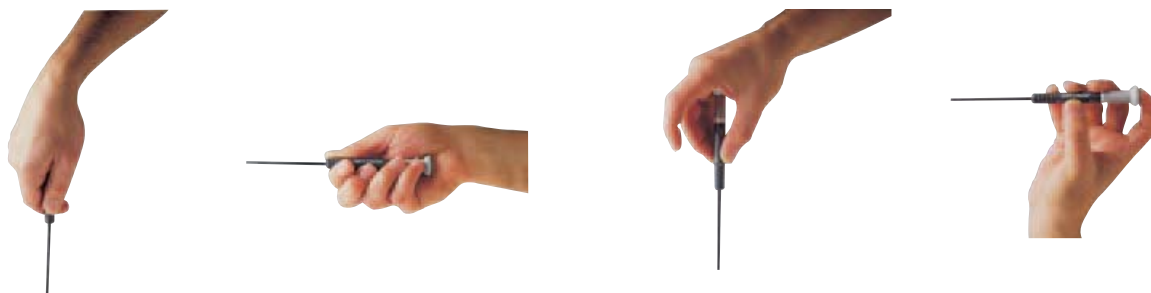
Size	57 422...		Blade length mm	Total length mm
0	007		100	195
1	010		125	230
2	013		175	290

Electronics screwdrivers



Precision work needs precision tools - especially for precision engineering and electronic applications. Here the WITTRON screwdriver series are optimally suitable due to their further developed geometry.

- Large finger recess, even more slender quick turn zone and anti-slip device close to the blade for precise, sensitive working
- Comfortable grip soft components under the rotating centring head
- Practical colour guide system for quick selection of the correct blade tip
- Chrome plated blades made of highly hardened and tempered special steel with black tip



57 452 Electronics screwdrivers

for plain slotted screws



57 452...

Blade tip width mm	57 452...		Blade tip thickness mm	Blade length mm	Total length mm
1.5	019		0.30	40	140
1.8	025		0.30	60	160
2	028		0.40	60	160
2.5	037		0.40	75	175
3	043		0.50	75	175
3.5	055		0.60	100	200
4	064		0.80	100	200

57 452 Electronics screwdrivers set

7 piece set for plain slotted screws in high-quality hinged plastic box



57 452 803

consisting of	57 452...	
1.0 x 0.18 x 40 mm 1.2 x 0.25 x 40 mm 1.5 x 0.30 x 40 mm 1.8 x 0.30 x 60 mm 2.0 x 0.40 x 60 mm 2.5 x 0.40 x 75 mm 3.0 x 0.50 x 75 mm	803	

57 454 Electronics screwdrivers

for Phillips screws



57 454...

Size	57 454...		Blade length mm	Total length mm
00	004		40	140
0	007		60	160
1	010		80	180



57 456 Electronics screwdrivers

for hexagon socket head screws (Allen screws)



57 456...

Width across flats mm	57 456...		Blade length mm	Overall length mm
0.7	007		40	140
0.9	010		40	140
1.3	016		40	140
1.5	019		50	150
2	028		50	150
2.5	037		60	160
3	043		60	160

57 458 Electronics screwdrivers

for (external) hexagon head screws



57 458...

Width across flats mm	57 458...		Blade length mm	Overall length mm
2.5	037		60	160
3	043		60	160
3.2	049		60	160
3.5	055		60	160
4	064		60	160
4.5	073		60	160
5	085		60	160
5.5	091		60	160
6	097		60	160

57 460 TORX® electronic screwdrivers

for Torx® screws



57 460...

Size mm	57 460...		Blade length mm	Overall length mm
T 5	085		50	150
T 6	097		50	150
T 7	109		50	150
T 8	115		60	160
T 9	121		60	160
T 10	127		80	180
T 15	139		80	180

57 462 Electronics screwdriver sets

7 piece screwdriver sets in hinged plastic boxes, equipped with plain slot and cross-slot (Phillips) screwdrivers or with Torx screwdrivers from the series.



57 462...

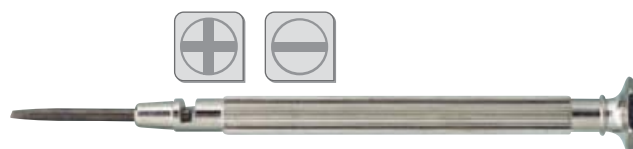
Contents Blade/mm	57 462...		Overall length mm
57 452 019 1.5	100		140
57 452 028 2.0			160
57 452 037 2.5			175
57 452 043 3.0			175
57 454 004 PH 00			140
57 454 007 PH 0			160
57 454 010 PH 1			180
57 460 085 T 5 x 50	150		150
57 460 097 T 6 x 50			150
57 460 109 T 7 x 50			150
57 460 115 T 8 x 60			160
57 460 121 T 9 x 60			160
57 460 127 T10 x 80			180
57 460 139 T15 x 80			180



57 480 Jewellers' screwdrivers

Nickel-plated handle, blades made of special steel, hardened and blued (annealed)

Blade mm	57 480...		Blade Ø mm	Shank Ø mm	Overall length mm
00	004		2	5.5	100
0	007		3	7.5	120
0.6	006		1	3.5	80
0.8	008		1	3.5	80
1	010		1	3.5	80
1.5	019		1.5	4.5	90
1.8	025		1.8	5.5	100
2.3	035		2.3	6.5	110
2.9	042		2.9	7.5	120
3.6	059		2.9	8.5	130



57 480...

57 482 Jewellers' screwdriver sets

consisting of Prod. No. 57 480..., in polished wooden box, 6 piece

Contents Qty	Blade size mm	57 482...	
6	1.0 - 1.5 - 1.8 2.3 - 2.9 - 3.6	500	
6	1.5 - 1.8 - 2.3 2.9 - 00 - 0	510	



57 482...

57 484 Impact driver set

the ideal tool for loosening stuck screws with a hammer blow.
Supplied in metal box. 190 x 59 x 45 mm

Blade size	57 484	
9 + 11 2 + 3	055	



57 484...

57 485 Impact driver set

with screwdriver bits for loosening stuck screws by hitting them with a hammer, can be reversed for left-hand and right-hand operation, 5/16" square drive with bits for plain slotted and square slot (Phillips) screws

Set contents	57 485	
11-piece, in sheet steel case		
1 impact driver	010	
1 adaptor		
5.5 - 6.5 - 8 - 10 - 12 and 14 mm		
2, 3 and 4		



57 485...

57 622 1/4" bit holder

magnetic, holds bits and screws fast, bit holder made of stainless steel, hexagon shank made of chrome vanadium steel, bright nickel-plated, WIHA SoftFinish handle

Hexagon bit inch	57 622...		Blade length mm	Overall length mm
1/4	044		125	225
1/4	047		300	400



57 622...

57 624 1/4" bit holder

2-component handle for pleasant working and optimum force transfer, with flexible blade, with snap ring for angular screwing of (external) hexagon head screws



57 624 001

Hexagon bit inch	57 624...		Blade length mm	Overall length mm
1/4	001		200	310

57 633 Bit holder for power tools

suitable for all types of screwdriver blade bits with 1/4" hexagon drive C 6.3; E 6.3



...023 - ...026: Magnetic universal holder, sleeve made of stainless steel

...029: Magnetic universal holder / snap ring - for when the bit has to reliably hold, e.g. series bolting, sleeve made of stainless steel, with lug coupling

...038: Quick change "ClicFix" holder for one-hand use, magnetic, anodised aluminium sleeve

...042: Quick change "RapidFix" holder, for when the bit has to be held securely without any play, for one-hand use and quick bit change, optimised for use of long bits and drill bits

...046: Quick change magnetic holder, for SDS-Plus chuck



Bit holder inch	57 633...		Drive (machine)	Length mm	Bit holder
1/4	023		1/4"	59	magnetic
1/4	026		1/4"	74	magnetic
1/4	029		7 mm Ø lug coupling,	72	Snap ring
1/4	038		1/4" / hex	60	magnetic
1/4	042		1/4" / hex	60	
1/4	046		SDS-Plus	100	magnetic

57 641 Bit adapters and connectors

with square drive, with snap ring for holding the blade



57 642 Bit adapters and connectors

with square drive, with snap ring and **quick change chuck** for holding the blade



Bit holder	57 641...		Square drive	57 642...		Length 57 641... mm	Length 57 642... mm
1/4"	043		1/4"	043		25	30
1/4"	055		3/8"	055		30	43
5/16"	057		3/8"	057		30	50
1/4"	061		1/2"	061		35	50
5/16"	063		1/2"	-	-	-	-



57 636 Tool shanks

for machine-operated sockets with spring-loaded pin lock according to DIN 3121, shape E



Square end (male)	57 636...		Drive (machine)	Length mm
1/4"	020		5.5 mm	50
1/4"	023		1/4	50
1/4"	024		1/4	100
1/4"	029		7 mm Ø lug coupling	75
3/8"	123		1/4	50
3/8"	124		1/4	100
1/2"	226		11.2 mm	75



57 645 Screwdriver bits

DIN 3126, shape C 6.3, with 1/4" hexagon end (male), for plain slotted screws, torsion zone, considerably wear inhibiting



57 645...



57 648...

57 648 Screwdriver bits, long

DIN 3126, shape C 6.3, long type, with 1/4" hexagon end (male), for plain slotted screws

Blade tip width mm	57 645...		57 648...		Blade tip thickness mm	Length 57 645... mm	Length 57 648... mm
4.0	064		064		0.5	25	39
4.5	073		073		0.6	25	39
5.5	091		091		0.8	25	39
5.5	092		092		1.0	25	39
6.5	106		106		1.2	25	39
8.0	115		115		1.6	25	39

57 655 Screwdriver bits

DIN 3127 shape C 6.3 with 1/4" hexagon end (male) for plain slotted screws, cemented carbide coated, for extremely long life



57 655...

Blade tip width mm	57 655...		Blade tip thickness mm	Overall length mm
4.5	065		0.6	25
5.5	091		0.8	25
6.5	106		1.2	25
8.0	115		1.2	25

57 658 Screwdriver bits

DIN 3126, shape C 6.3, with 1/4" hexagon end (male), for Phillips screws

Torsion zone (substantially inhibits wear)

Cemented carbide coating for long life



Size	57 658...		57 658... Torsion zone		57 658... Torsion zone TIN coated	Preis	57 658... Cemented carbide coated		Overall length mm
0	007		-	-	-	-	-	-	25
1	009		109		209		309		25
1	010		-	-	-		-	-	50
2	012		112		212		312		25
2	013		-	-	-		-	-	32
2	014		-	-	-		-	-	50
3	015		115		215		315		25
3	016		-	-	-		-	-	32
4	019		-	-	-		-	-	32

57 671 Screwdriver bits

DIN 3126, shape C 6.3, with 1/4" hexagon end (male), for Pozidrive screws

Torsion zone (substantially inhibits wear)

Cemented carbide coating for long life



Size	57 671...		57 671... Torsion zone		57 671... Torsion zone TIN coated		57 671... Cemented carbide coated		Overall length mm
0	007		-	-	-		-	-	25
1	009		109		209		309		25
1	010		-	-	-		-	-	50
2	012		112		212		312		25
2	013		-	-	-		-	-	50
3	015		115		215		315		25
3	016		-	-	-		-	-	32
4	019		-	-	-		-	-	32



57 683 Screwdriver bits

DIN 3126, shape C 6.3, with 1/4" hexagon end (male), for hexagon socket head screws (Allen screws)



1/4 "



...143 - ...197:

DIN 7426, shape C 6.3, with 1/4" socket end (male); however, with additional wearproof retaining ring, holds screws fast in any position



57 683 028 - ...127



57 683 143 - ...197

Width across flats mm	57 683...		57 683... with retaining ring		Overall length mm
2	028		-	-	25
2.5	037		-	-	25
3	043		143		25
4	064		164		25
5	085		185		25
6	097		197		25
8	115		-	-	25
10	127		-	-	25

57 687 Screwdriver bits with ball end

DIN 3126, shape C 6.3, with 1/4" hexagon end (male), for hexagon socket head screws (Allen screws), the ball end makes it easier to insert the bit in the screw head, for fastening up to 25°



1/4 "



...143 - ...197: with 1/4" socket end (male); however, with additional wearproof retaining ring, holds screws fast in any position



57 687 037 - ...097



57 687 143 - ...197

Width across flats mm	57 687...		57 687... with retaining ring		Overall length mm
2.5	037		-	-	38
3	043		143		38
4	064		164		38
5	085		185		38
6	097		197		38

57 691 TORX® screwdriver bits

DIN 3126, shape C 6.3, with 1/4" hexagon end (male), for internal Torx® screws



1/4 "



57 695 TORX® screwdriver bits

DIN 3128, shape C 6.3 with 1/4" hexagon end (male) for internal Torx® screws, cemented carbide coated, therefore extremely long life

HM



57 691...



57 695...

Size	57 691...		57 695... Cemented carbide coated		For thread	Overall length mm
T 6	097		-	-	M 2	25
T 7	109		-	-	M 2.5	25
T 8	115		-	-	M 2.5	25
T 9	121		-	-	M 3	25
T 10	127		127		M 3	25
T 15	175		175		M 3.5	25
T 20	205		205		M 4	25
T 25	232		232		M 5	25
T 27	238		-	-	M 5	25
T 30	253		253		M 6	25
T 40	276		276		M 8	25

57 693 TORX® screwdriver bits

DIN 3126, shape C 6.3, with 1/4" hexagon end (male),
for internal Torx® screws, with hole in the drive tip



Size	57 693... with hole		For thread	Overall length mm
TR 10	127		M 3	25
TR 15	175		M 3.5	25
TR 20	205		M 4	25
TR 25	232		M 5	25
TR 27	238		M 5	25
TR 30	253		M 6	25
TR 40	276		M 8	25



57 693...

57 701 Torq set screwdriver bits

Shape C 6.3 with 1/4" hexagon end (male) for Torq-Set screw
systems, with optimised torsion zone, tough, hard, ideal for use in
areas with security screw systems



Size Torq-Set profile	57 701...		Overall length mm
4	014		25
5	015		25
6	016		25
8	018		25
10	020		25



57 701...

57 758 Sockets, long

Shape E 6.3, with 1/4" hexagon end (male), for (external) hexagon
head screws and nuts Prod. No. 57 758 350 to 57 758 503 with
strong permanent magnet



Width across flats mm, inch	57 758...		57 758... with magnet		Overall length mm
5.0	050		350		55
5.5	055		355		55
6.0	060		360		55
7.0	070		370		55
8.0	080		380		55
10.0	100		400		55
13.0	113		413		55
1/4	201		501		55
3/8	203		503		55



57 758 050 - ...203

57 758 350 - ...503
magnetic**57 763 Screwdriver bits**

DIN 3126, shape G 7, with 7 mm Ø shank and lug coupling,
torsion zone, for Phillips screws



Size	57 763...		Overall length
1	010		53
2	013		53
3	016		53



57 763...

57 765 Screwdriver bits

DIN 3126, shape G 7, with 7 mm Ø shank and lug coupling,
torsion zone, for Pozidrive/Superdrive screws



Size	57 765...		Overall length
1	010		53
2	013		53
3	016		53



57 765...



57 703 Screwdriver bits

DIN 3126, shape C 8, with 5/16" hexagon end (male),
for plain slotted screws



5/16 "



Blade tip width mm	57 703...		Blade tip thickness mm	Overall length mm
5.5	091		1	41
6.5	106		1.2	41
8	115		1.2	41
10	127		1.6	41
12	145		2	41



57 703...

57 705 Screwdriver bits

DIN 3126, shape C 8, with 5/16" hexagon end (male),
for Phillips screws



5/16 "

**57 708 Screwdriver bits**

DIN 3126, shape C 8, with 5/16" hexagon end (male),
for Pozidrive/Supadrive screws

Size	57 705		57 708		Overall length mm
1	010		010		32
2	013		013		32
3	016		016		32
4	019		019		32



57 705...



57 708...

57 711 Screwdriver bits

DIN 3126, shape C 8, with 5/16" hexagon end (male),
for hexagon socket head screws (Allen screws)



5/16 "



Width across flats mm	57 711...		Overall length mm
3	043		30
4	064		30
5	085		30
6	097		30
8	115		30
10	127		30



57 711...

57 715 TORX® screwdriver bits

DIN 3126, shape C 8, with 5/16" hexagon end (male),
for internal Torx® screws



5/16 "



Size	57 715...		For thread	Overall length mm
T 20	205		M 4	35
T 25	232		M 5	35
T 27	238		M 5	35
T 30	253		M 6	35
T 40	276		M 8	35
T 45	279		M 10	35
T 50	288		M 10	35
T 55	293		M 12	35



57 715...

Screwdriver blades (bits) for power screwdrivers

57 718 Screwdriver bits, long

DIN 3126, shape E 6.3, with 1/4" hexagon end (male),
for plain slotted screws



1/4 "



Blade width mm	57 718...		Blade thickness mm	Overall length mm
3.0	043		0.5	50
3.5	055		0.6	50
4.5	073		0.6	50
5.5	091		0.8	50
6.5	106		1.2	50
8.0	115		1.2	50



57 718...

57 721 Screwdriver bits

DIN 3126, shape E 6.3, with 1/4" hexagon end (male),
for Phillips screws



1/4 "



...210 - ...216: DIN 3126, shape E 6.3, with 1/4" hexagon end (male); however, with additional **torsion zone** and **TiN** coating for longer tool life and reduced ejection forces

...310 - ...316: DIN 3126, shape E 6.3, with 1/4" hexagon end (male); however, **cemented carbide coated**, extremely wear resistant

...410 - ...431: DIN 3126, shape E 6.3, with 1/4" hexagon end (male); however, **extra long**



...010 - ...016



...210 - ...216



...310 - ...316



...410 - ...431

Size	57 721...		57 721... Torsion zone TiN coated		57 721... Cemented carbide coated		57 721... very long		Overall length mm
1	010		210		310		-	-	50
1	-	-	-	-	-	-	410	-	90
1	-	-	-	-	-	-	411	-	150
2	013		213		313		-	-	50
2	-	-	-	-	-	-	420	-	90
2	-	-	-	-	-	-	421	-	150
3	016		216		316		-	-	50
3	-	-	-	-	-	-	430	-	90
3	-	-	-	-	-	-	431	-	150

57 731 Screwdriver bits

DIN 3126, shape E 6.3, with 1/4" hexagon end (male),
for Pozidrive/Supadrive screws



1/4 "



...210 - ...216: DIN 3126, shape E 6.3, with 1/4" hexagon end (male); however, with additional **torsion zone** and **TiN** coating for longer tool life and reduced ejection forces

...310 - ...316: DIN 3126, shape E 6.3, with 1/4" hexagon end (male); however, **cemented carbide coated**, extremely wear resistant

...410 - ...431: DIN 3126, shape E 6.3, with 1/4" hexagon end (male); however, **extra long**



...010 - ...016



...210 - ...216



...310 - ...316



...410 - ...431

Size	57 731...		57 731... Torsion zone TiN coated		57 731... Cemented carbide coated		57 731... very long		Overall length mm
1	010		210		310		-	-	50
1	-	-	-	-	-	-	410	3.60	90
1	-	-	-	-	-	-	411	5.48	150
2	013		213		313		-	-	50
2	-	-	-	-	-	-	420	3.60	90
2	-	-	-	-	-	-	421	5.48	150
3	016		216		316		-	-	50
3	-	-	-	-	-	-	430	3.60	90
3	-	-	-	-	-	-	431	5.48	150



57 743 Screwdriver bits

DIN 3126, shape E 6.3, with 1/4" hexagon end (male), for hexagon socket head screws (Allen screws)



57 745 Screwdriver bits

DIN 7426, shape E 6.3, with additional ring and 1/4" hexagon end (male), for hexagon socket head screws (Allen screws), holds screws perfectly fast in any position thanks to wearproof spring steel ring



57 743...



57 745...

Width across flats mm	57 743...		57 745... with retaining ring		Overall length mm
3	043		043		50
4	064		064		50
5	085		085		50
6	097		097		50
8	115		-	-	50

57 748 TORX® screwdriver bits

DIN 3126, shape E 6.3, with 1/4" hexagon end (male), for internal Torx® screws, length 70 mm



57 748...

57 750 TORX® screwdriver bits, extra long

shape E 6.3, with 1/4" hexagon end (male), for internal Torx® screws, extra long, 90 mm or 150 mm

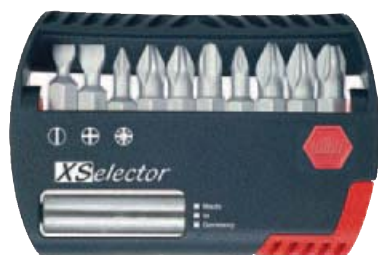


57 750...

Size	57 748...		57 750... very long		Overall length mm
T 6	-	-	001		90
T 7	-	-	002		90
T 8	-	-	003		90
T 9	-	-	004		90
T 10	127		-	-	70
T 10	-	-	005		90
T 10	-	-	006		150
T 15	175		-	-	70
T 15	-	-	007		90
T 15	-	-	008		150
T 20	205		-	-	70
T 20	-	-	009		90
T 20	-	-	010		150
T 25	232		-	-	70
T 25	-	-	011		90
T 25	-	-	012		150
T 27	238		-	-	70
T 27	-	-	013		90
T 30	253		-	-	70
T 30	-	-	014		90
T 30	-	-	015		150
T 40	276		-	-	70
T 40	-	-	016		90
T 40	-	-	017		150

57 768 Screwdriver bit sets

Blade length 25 mm with magnetic universal holder,
drive shape C 6.3



...001

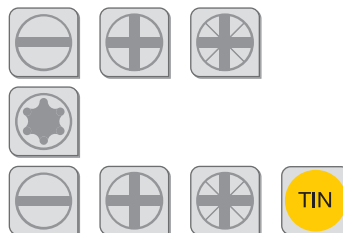


...003



...005

Contains bits	57 768...		Number / Parts
Plain slot 5.5 / 6.5 PH Size 1/2/2/3 PZ Size 1/2/2/3	001		11
Torx® T7,T8,T9,T10,T15, T20,T25,T27,T30,T40	003		11
Plain slot 5.5 / 6.5 PH Size 1/2/2/3 Pz Size 1/2/2/3	005		11

**57 774 Screwdriver bits set**

Blade length 25 mm, **cemented carbide coated**, therefore
extremely long life, **with quick change holder**, drive shape C 6.3,
1/4" bit holder, magnetic



Contains bits	57 774...		Number / Parts
Plain slot 5.5 / 6.5 PH Size 1/2/2/3 PZ Size 1/2/2/3	001		11



57 774 001

57 775 Screwdriver bits set

Blade length 25 mm, 1/4" bit holder, in steel box,
drive shape C 6.3, 31 piece



Contents	57 775...	
1 x 4.5 – 1 x 5.5 – 1 x 6.5 2 x PH1 – 6 x PH2 – 1 x PH3 2 x PZ1 – 6 x PZ2 – 1 x PZ3 1 x T10 – 1 x T15 – 1 x T20 – 1 x T25 – 1 x T30 – 1 x T40 1 x SW4 – 1 x SW5 – 1 x SW6 1 x 1/4" universal holder, magnetic	001	



57 775 001



57 780 Screwdriver bits

Large 50 bit pack, box can also be used as drawer, 25 mm standard bits, single type, especially for professional requirements



Size	57 780...		Quantity Bits
PH 1 x 25	001		50
PH 2 x 25	002		50
PH 3 x 25	003		50
PZ 1 x 25	101		50
PZ 2 x 25	102		50
PZ 3 x 25	103		50
T 15 x 25	215		50
T 20 x 25	220		50
T 25 x 25	225		50



57 780...

57 626 "Magazine" 1/4" bit storage handle

The alternative to a screwdriver set. 6 bits in one screwdriver. Blade made of chrome vanadium steel, hardened throughout, moulded on, with robust Wiha handle, bit holder made of stainless steel with strong permanent magnet. Drive to DIN 3126, ISO 1173, shape D 6.3



57 626 010

Bit sizes mm	57 626...	
4.5 x 25, 6.5 x 25, 8.0 x 25 PH 1 x 25, PH 2 x 25, PH 3 x 25	010	



57 627 Bits set, 17 piece

for manual and battery-operated use.



Contents: 89 mm bit length

1 hand holder with quick change chuck

1 each: Phillips: PH1, PH 2, PH3

1 each: Pozidrive: PZ 1, PZ 2, PZ 3

1 each: TORX®: TX 10, TX 15, TX 20, TX 25, TX 30

1: Plain slot 1.0 x 5.5

1 each: Hexagon (Allen): SW 3, SW 4, SW 5, SW 6

In practical folding case, can also be attached to a belt



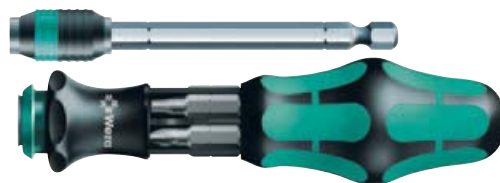
57 627...	
001	



57 627 001

57 628 "Magazine" 1/4" bit storage handle

With 6 bits in the handle. With bayonet blade which can be retracted into the handle, which can also be removed and used as a machine adaptor. The Rapidadaptor® quick-change chuck with 5 product advantages: Rapid-in, Rapid-out, Rapid-spin, Chuck-all, Single-hand



57 628...

Contents	57 628...	
Bit holder and bayonet blade; plain slot 1.0 x 5.5, 1.2 x 6.5, PH Size 1, Size 2; PZ Size 1, Size 2, bag	020	
Bit holder and bayonet blade; PZ 1 x Size 1, 2 x Size 2; TORX® TX 15, TX 20, TX 25, bag	022	



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Wiha Werkzeuge GmbH
D-78136 Schonach
Tel. +49 77 22 959-0
www.wiha.com

ibemo Kazakhstan - 090301 Republic of Kazakhstan, West Kazakhstan Oblast, Aksai, Pramzone, BKKS office complex
Phone: +7 71133 93077 ; Fax: +7 71133 93074 ; E-Mail: info@ibemo-kz.com

58 101 “Basic” tool kit, 35 piece

This basic set contains fundamental, indispensable precision tools for all kinds of different purposes.

...003 packed in carton

...005 Additionally with tool bag, cowhide leather combined with ABS plastic
Internal size: 400 x 180 x 310 mm, 2400 g weight when empty
Supplied without contents.



58 101 005

Type	58 101...	
packed in carton	003	
with tool bag	005	

Set contents

Set contents	Order No.	
Safety goggles, clear, DIN P plastic	01 100 101	Engineers' square file, 100 mm, cut grade 3
Ear plugs, SNR value 27	03 050 101	Engineers' half-round file, 100 mm, cut grade 1
Work gloves, split cowhide	05 005 109	Engineers' half-round file, 100 mm, cut grade 3
Vernier callipers, 0 - 150 mm	30 004 001	Engineers' round file, 100 mm, cut grade 1
Metalworker's steel square, 100 x 70 mm, with wide overlapping base	33 256 010	Engineers' round file, 100 mm, cut grade 3
Scriber, 175 mm	33 402 017	File handle, 90 mm, wood, 10 handles
Precision spring dividers, 150 mm leg length	33 456 015	PUK universal saw frame, 290 mm fixed
Scale ruler, flexible, rustproof, 300 mm	33 510 030	Wire handbrush, cast steel wire, 3 rows
Pocket measuring tape, 3 m	34 059 002	File card, fill 40 x 115 mm
Engineers' flat file, 100 mm, cut grade 1	40 001 101	Cross pein hammer, 500 g, with ash shaft
Engineers' flat file, 100 mm, cut grade 2	40 001 102	Centre punch, 120 mm
Engineers' three-square file, 100 mm, cut grade 2	40 008 102	Triangular, hollow-ground scraper, 200 mm blade length
Engineers' square file, 100 mm, cut grade 1	40 011 101	Flat scraper, 250 mm blade length

58 131 "Trainee" tool kit, 37 piece

High-quality range of precision tools, especially suitable for trainees or apprentices.

...003 packed in carton

...005 Additionally with tool bag, cowhide leather combined with ABS plastic
Internal size: 400 x 145 x 280 mm, 3300 g weight
when empty
Supplied without contents.

...007 supplied with sheet steel tool box
Internal size: 530 x 200 x 200 mm, 5-piece, 5500 g weight
when empty
Supplied without contents.



58 131 005



58 131 007

Type	58 131...	
packed in carton	003	
with tool bag	005	
with tool box	007	

Set contents	Order No.	
Safety goggles, clear,	01 100 101	Engineers' file, round, 150 mm
Ear plugs	03 050 101	Engineers' file, round, 250 mm
Work glove, lined	05 005 109	File card, beechwood, 8 cards
Vernier callipers 0 - 150 mm, with lock screw	30 008 002	File brush, 115 x 40 mm
Metalworker's steel square, 100 x 70 mm, with wide overlapping base	33 256 010	Handbrush, coconut
Scriber, 140 mm	33 404 001	Plain slot screwdriver, 6.5 mm
Spring dividers 150 mm	33 456 015	PH2 screwdriver
Flexible scale ruler, 250 mm	33 510 025	PZ2 screwdriver
Pocket measuring tape, 3 m	34 054 003	Cross pein hammer, 500 g
Engineers' file, flat, parallel, 150 mm	40 001 152	Flat chisel, 150 mm
Engineers' file, flat, parallel, 250 mm	40 001 252	Centre punch, 120 x 12 mm
Engineers' file, three-square, 150 mm	40 008 152	Taper punch, 3 x 12 x 120 mm
Engineers' file, three-square, 250 mm	40 008 252	Taper punch, 6 x 12 x 120 mm
Engineers' file, square, 150 mm	40 011 152	Triangular, hollow-ground scraper, 75 mm
Engineers' file, square, 250 mm	40 011 252	Flat scraper, 200 mm

58 151 Small "Assembly" tool kit, 57 piece

Assembly of high-quality tools especially for the maintenance and repair of plant, machines, equipment, etc.

...003 packed in carton

...005 Additionally with tool bag, cowhide leather combined with ABS plastic
Internal size: 400 x 145 x 280 mm, 3300 g weight when empty
Supplied without contents.

...007 supplied with sheet steel tool box
Internal size: 530 x 200 x 200 mm, 5-piece, 5500 g weight when empty
Supplied without contents.



58 151 005



58 151 007

Type	58 151...	
packed in carton	003	
with tool bag	005	
with tool box	007	

Set contents

	Order No.
Wooden folding rule, 2 m, made of beechwood	34 020 002
Set of engineers' files, cut length 200 mm, 5 files	40 080 002
PUK universal saw frame, 290 mm fixed	42 850 001
Wire handbrush, cast steel wire, 3 rows	47 401 003
Set of double open-ended spanners, 12 piece	50 102 120
Set of offset screwdrivers, 2-10 mm, 8 piece	51 023 010
Set of screwdrivers, 6 piece	57 100 460
Screwdriver Size 2, with square handle	60 002 116
Water pump pliers, 240 mm	60 034 124
Universal locking pliers, 250 mm	60 060 125
Radio pliers, 160 mm	60 150 116
Circlip pliers Size J2	60 204 002
Circlip pliers Size A2	60 214 003

Pincers, 200 mm	60 602 120
Side cutters, 160 mm, polished	60 612 116
Blacksmiths' hammer, 300 g, hickory shaft	61 004 030
Soft-faced hammer, 374 g, nylon head	61 106 032
Flat chisel, 175 mm	61 207 017
Taper punches, 1 - 5 mm/1 centre punch, 6 piece	61 269 100
Plastic oiler, 125 ccm	64 208 001
Cable stripping knife, 190 mm	64 946 001
Voltage tester 150 - 250 V, 3 x 55 mm	65 002 001
Insulating tape, 19 x 2500 mm	65 032 001
Felt tip pen, black	66 169 008
Square awl, 100 mm	67 085 002

58 171 "Metalworker" tool kit, 69 piece

Basic precision tools and testing equipment for metalworking trades.

...003 packed in carton

...007 supplied with sheet steel tool box
 Internal size: 530 x 200 x 200 mm, 5500 g weight when empty
 Supplied without contents.



58 171 007

Type	58 171...	
packed in carton	003	
with tool box	007	

Set contents**Order No.**

Safety goggles, clear, with black frame	01 215 101	Engineers' file, flat, parallel, cut grade 1, 250 mm	40 001 251
HSS twist drill, DIN 338, Type N, 3.3 mm	10 015 226	Engineers' file, flat, parallel, cut grade 3, 250 mm	40 001 253
HSS twist drill, DIN 338, Type N, 4.2 mm	10 015 244	Engineers' file, three-square, cut grade 1, 200 mm	40 008 201
HSS twist drill, DIN 338, Type N, 6.8 mm	10 015 296	Engineers' file, three-square, cut grade 3, 200 mm	40 008 203
HSS twist drill, DIN 338, Type N, 10.2 mm	10 015 362	Engineers' file, square, cut grade 1, 200 mm	40 011 201
HSS twist drill set, DIN 338, Type N, 1-10 mm	10 031 040	Engineers' file, square, cut grade 3, 200 mm	40 011 203
HSS countersink, DIN 335C, 5.0 mm, 90°	11 110 260	Engineers' file, half-round, cut grade 1, 200 mm	40 014 201
HSS countersink, DIN 335C, 11.5 mm, 90°	11 110 386	Engineers' file, half-round, cut grade 3, 200 mm	40 014 203
HSS spotfacer, DIN 373, M8, 180°	11 712 240	Engineers' file, round, cut grade 1, 200 mm	40 017 201
HSS-TiN counterbore, DIN 373, M4, 180°	11 713 160	Engineers' file, round, cut grade 3, 200 mm	40 017 203
HSS-TiN counterbore, DIN 373, M5, 180°	11 713 190	File card, beechwood 100 mm	40 341 003
HSS-TiN counterbore, DIN 373, M6, 180°	11 713 210	File card, beechwood 120 mm	40 341 005
HSS hand tap set, DIN 352, M4	13 002 160	Metal saw frame, 300 mm	42 844 005
HSS hand tap set, DIN 352, M5	13 002 190	Wire handbrush, 3-rows, thickness 0.35 mm	47 401 003
HSS hand tap set, DIN 352, M6	13 002 210	File brush, 115 x 40 mm	47 431 040
HSS hand tap set, DIN 352, M8	13 002 240	Double open-ended spanners, 6-22 mm, 8 piece	50 102 080
Tap wrench, adjustable, Size 2 for M4-12	13 955 013	Set of offset screwdrivers, 2-10 mm, 8 piece	51 023 110
Vernier callipers, 0 -150 mm	30 008 002	Set of screwdrivers, plain slotted, PH blades, 6 piece	57 100 420
External micrometer, 0 - 25 mm	31 002 025	Combination pliers, 160 mm, 2-component handle	60 002 416
Precision knife edge square, 100 x 70 mm	33 204 010	Universal locking pliers, 250 mm	60 060 125
Precision try square, 100 x 70 mm	33 238 010	Cross pein hammer, 500 g	61 002 050
Precision flat steel square, 150 x 100 mm	33 246 015	Rubber composite hammer 65 x 115 mm	61 162 065
Protractor 0-180°	33 320 108	Flat chisel, 125 mm flat oval	61 207 012
Scriber, 175 mm	33 402 017	Cross-cut chisel, 125 mm octagonal	61 219 012
Dividers 150 mm	33 450 015	Parting chisel, 125 x 2 mm octagonal	61 225 002
Flexible scale rule 300 mm, rustproof	33 510 030	Centre punch, 120 x 10 mm	61 245 012
Radii template, 1-7 mm, ordinary strength steel	35 152 001	Set of pin punches, 6 piece, 3-8 mm	61 277 100
Radii template, 7.5-15 mm, ordinary strength steel	35 152 002	Triangular, hollow-ground scraper, 150 mm long	61 412 015
Engineers' file, flat, parallel, cut grade 1, 150 mm	40 001 151	Hand letter stamps, A-Z, 3.0 mm high	66 111 030
Engineers' file, flat, parallel, cut grade 3, 150 mm	40 001 153		



58 191 “Mechatronics” tool kit, 38 piece

Basic precision tools and testing equipment for mechatronics technicians and fitters.

...003 packed in carton

...007 supplied with sheet steel tool box

Internal size: 530 x 200 x 200 mm, 5500 g weight when empty

Supplied without contents.



58 191 007

Type	58 191...	
packed in carton	003	
with tool box	007	

Set contents

Order No.

Safety goggles, clear, with black frame	01 215 101	File brush, 115 x 40 mm	47 431 040
Vernier callipers, 0 -150 mm	30 008 002	Set of offset screwdrivers, 2-10 mm, 8 piece	51 023 110
External micrometer, 0 - 25 mm	31 002 025	Set of VDE screwdrivers, plain slotted, PH blades, 7 piece	59 070 420
Precision try square, 100 x 70 mm	33 238 010	VDE combination pliers, 160 mm	59 210 516
Precision flat steel square, 150 x 100 mm	33 246 015	VDE bent nose pliers, 200 mm	59 262 620
Scriber 175 mm, needle Ø 4 mm	33 402 017	VDE side cutters, 160 mm	59 298 516
Engineers' file, flat, parallel, cut grade 1, 150 mm	40 001 151	VDE wire strippers, 160 mm	59 314 516
Engineers' file, flat, parallel, cut grade 3, 150 mm	40 001 153	Cross pein hammer, 300 g	61 002 030
Engineers' file, three-square, cut grade 1, 150 mm	40 008 151	Rubber composite hammer, 65 x 115 mm	61 162 065
Engineers' file, three-square, cut grade 3, 150 mm	40 008 153	Centre punch, 120 x 10 mm	61 245 012
Engineers' file, square, cut grade 1, 150 mm	40 011 151	Set of pin punches, 6 piece, 3-8 mm	61 277 100
Engineers' file, square, cut grade 3, 150 mm	40 011 153	Triangular, hollow-ground scraper, 125 mm	61 412 012
Engineers' file, round, cut grade 1, 150 mm	40 017 151	Cable stripping knife, 8-28 mm	64 951 003
Engineers' file, round, cut grade 3, 150 mm	40 017 153	Crimping tool, 0.5-4 sqmm	64 980 001
File card, beechwood, 100 mm	40 341 003	Digital multimeter, Benning MM1	65 017 001
Metal saw frame, 300 mm	42 844 005		

58 201 “Electrical Starter Kit” tool kit, 22 piece

Basic assortment of high-quality precision tools, especially for electrical work.

...003 packed in carton

...007 supplied with sheet steel tool box

Internal size: 530 x 200 x 200 mm, 5-piece, 5500 g weight when empty

Supplied without contents.



58 201 007

Type	58 201...	
packed in carton	003	
with tool box	007	

Set contents

	Order No.
Wooden folding rule, 2 m, made of beechwood	34 020 002
PUK universal saw frame, 290 mm fixed	42 850 001
Flat brush, 50 mm wide	47 805 003
Set of screwdrivers, 7 piece	59 100 400
Combination pliers, 180 mm, chrome-plated	60 002 418
Water pump pliers, 240 mm	60 034 124
Side cutters, 160 mm, chrome-plated	60 612 416
Cross pein hammer, 300 g, with ash shaft	61 002 030

Club hammer, 1000 g, hickory shaft	61 022 100
Bricklayers' chisel, 300 mm	61 234 030
Cable-stripping knife, 1 blade	64 947 001
Cable-stripping knife, hooked knife blade	64 951 003
Wire strippers, 160 mm	64 957 316
Voltage tester 150 - 250 V, 3 x 55 mm	65 002 001
Painter's filling knife, 60 mm blade width	67 308 006
Plaster mixing cup, Ø 130 mm	67 316 001

58 211 “Electrician’s” tool kit, 30 piece

Comprehensive assortment of precision tools,
especially for electricians

0

...003 packed in carton

...005 in addition with ABS hard plastic case

Internal size: 440 x 180 x 350 mm, 3900 g weight
when empty

Supplied without contents.



58 211 005

Type	58 211...	
packed in carton	003	
with tool case	005	

Set contents

Order No.

Safety goggles, clear, DIN P plastic	01 100 101	Cross pein hammer, 300 g, with ash shaft	61 002 030
Work gloves, split cowhide	05 005 109	Club hammer, 1000 g, hickory shaft	61 022 100
Wooden folding rule, 2 m, made of beechwood	34 020 002	Bricklayers' chisel, 300 mm	61 234 030
Lightweight metal spirit level, 500 mm	34 306 040	Chisel hand guard, plastic	61 240 012
PUK universal saw frame, 290 mm fixed	42 850 001	Cable-stripping knife, 1 blade	64 947 001
Flat brush, 50 mm wide	47 805 003	Cable-stripping knife, straight knife blade	64 950 011
Set of screwdrivers, 7 piece	59 070 420	Wire stripper	64 954 004
Combination pliers, 160 mm, VDE tested	59 210 516	Voltage tester, Testboy 100	65 008 100
Water pump pliers, 250 mm, VDE tested	59 230 125	Insulating tape, 19 x 2500 mm	65 032 001
C60 strong side cutters, 200 mm, VDE tested	59 303 520	Carpenter's pencil, 240 mm	66 151 001
Wire strippers, 160 mm, VDE tested	59 314 516	Painter's filling knife, 60 mm blade width	67 308 006
Cable-stripping knife, 180 mm, according to VDE 0680	59 330 005	Plaster mixing cup, Ø 130 mm	67 316 001

58 221 “VDE” tool kit, 14 piece

Assortment of high-quality VDE tools. Insulated according to EN/IEC 60900:2004, VDE and GS tested



...003 packed in carton

...005 Supplied with tool rucksack made of lined Kordura with box for small parts
Outer dimensions: 340 x 200 x 400 mm, 1900 g weight when empty
Supplied without contents.



58 221 005

Type	58 221...	
packed in carton	003	
with rucksack	005	

Set contents**Order No.**

Wooden folding rule, 2 m, made of beechwood	34 020 002
Lightweight metal spirit level, 500 mm	34 306 050
PUK universal saw frame, 290 mm fixed	42 850 001
Combination pliers, 180 mm, VDE tested	59 210 518

Set of screwdrivers, 7 piece	59 100 400
C60 strong side cutters, 200 mm, VDE tested	59 303 520
Wire strippers, 160 mm, VDE tested	59 314 516
Cable stripping knife, 180 mm, according to VDE 0680	59 330 005



58 241 “Maintenance” tool kit, 60 piece

Assortment of high-quality tools for the maintenance of machines and equipment.

...003 packed in carton

...005 Additionally with tool bag, cowhide leather combined with ABS plastic
Internal size: 390 x 120 x 260 mm, 2000 g weight when empty
Supplied without contents.

...007 supplied with sheet steel tool box
Internal size: 530 x 200 x 200 mm, 5-piece, 5500 g weight
when empty
Supplied without contents.



58 241 005



58 241 007

Type	58 241...	
packed in carton	003	
with tool bag	005	
with tool box	007	

Set contents

Order No.

Dividers, 200 mm	33 450 020	Universal locking pliers, 250 mm	60 060 125
Wooden folding rule, 2 m, made of beechwood	34 020 002	Radio pliers, 160 mm	60 162 116
Set of engineers' files and wooden rasps, 200 mm, cut grade 2	40 082 005	Circlip pliers Size J2	60 204 002
Metal saw frame, 300 mm, frame thickness 18 x 8 mm	42 840 001	Circlip pliers Size A2	60 214 003
PUK universal saw frame, 290 mm fixed	42 850 001	Pincers, 200 mm	60 602 120
Wire handbrush, 3 rows	47 401 003	Side cutters	60 612 116
Set of double-ended open spanners, 6-32 mm, 12 piece	50 102 120	Cross pein hammer, 300 g, with ash shaft	61 002 030
Set of offset screwdrivers, 2-10 mm. 8-piece	51 023 010	Soft-faced hammer, 32 mm, with hickory shaft	61 102 032
Set of screwdrivers with wooden handle, 5 piece	57 004 802	Flat chisel, 175 mm	61 207 017
Offset screwdriver for plain slotted screws, 5.5 mm	57 072 092	Taper punches, 1 - 5 mm/1 centre punch, 6 piece	61 269 100
Screwdriver Size 1, with square handle	57 112 010	Plastic oiler, 125 ccm	64 208 001
Screwdriver Size 2, with square handle	57 112 013	Cable stripping knife, 190 mm	64 946 001
Combination pliers 160 mm	60 002 116	Voltage tester 150 - 250 V, 3 x 55 mm	65 002 001
Water pump pliers, 240 mm	60 034 124	Square awl, 100 mm	67 085 002



58 261 “Maintenance Plus” tool kit, 95 piece

Extensive assortment of high-quality tools for the maintenance of machines and equipment.

...003 packed in carton

...005 Additionally with tool bag, cowhide leather combined with ABS plastic
Internal size: 450 x 150 x 320 mm, 3100 g weight when empty
Supplied without contents.

...007 supplied with sheet steel tool box
Internal size: 530 x 200 x 200 mm, 5-piece, 5500 g weight when empty
Supplied without contents.



58 261 005



58 261 007

Type	58 261...	
packed in carton	003	
with tool bag	005	
with tool box	007	

Set contents**Order No.**

Scriber, 250 mm, with straight and curved needle	33 402 025
Dividers, 200 mm	33 450 020
Wooden folding rule, 2 m, made of beechwood	34 020 002
Set of engineers' files and wooden rasps, 200 mm, cut grade 2	40 082 005
Set of warding files, 100 mm, cut grade 2, 6 piece	40 303 060
Metal saw frame, 300 mm, frame thickness 18 x 8 mm	42 840 001
PUK universal saw frame, 290 mm fixed	42 850 001
Wire handbrush, 3 rows	47 401 003
Wire handbrush, 4 rows	47 401 004
Set of double-ended open spanners, 6-32 mm, 12 piece	50 102 120
Set of double-ended ring spanners, 6-22 mm, 8 piece	50 302 080
Set of offset screwdrivers, 2-10 mm. 8-piece	51 023 010
Socket set, 1/2" drive, 25 piece	53 790 260
Set of screwdrivers with wooden handle, 5 piece	57 004 802
Screwdriver, short, 5.5 x 25 mm, with square handle	57 020 091
Offset screwdriver for plain slotted screws, 5.5 mm	57 072 092
Screwdriver Size 1, with square handle	57 112 010
Screwdriver Size 2, with square handle	57 112 013
Combination pliers 160 mm	60 002 116
Water pump pliers, 240 mm	60 034 124

Universal locking pliers, 250 mm	60 060 125
Radio pliers, 160 mm	60 162 116
Circlip pliers Size J2	60 204 002
Circlip pliers Size A2	60 214 003
Pincers, 200 mm	60 602 120
Side cutters	60 612 116
Cross pein hammer, 300 g, with ash shaft	61 002 030
Cross pein hammer with ash shaft	61 002 050
Soft-faced hammer, 32 mm, with hickory shaft	61 102 032
Flat chisel, 175 mm	61 207 017
Cross-cut chisel, 150 mm	61 213 015
Taper punches, 1 - 5 mm/1 centre punch, 6 piece	61 269 100
Ideal scissors, HSS tungsten alloy, 260 mm	61 616 001
right-hand cutting with leverage	
Phone and electricians' scissors, 145 mm	61 676 002
Plastic oiler, 125 ccm	64 208 001
Cable stripping knife, 190 mm	64 946 001
Voltage tester 150 - 250 V, 3 x 55 mm	65 002 001
Square awl, 100 mm	67 085 002

58 401 Tool kit

Ideal on-board set of tools just in case, compact box for every vehicle boot. 29-piece in plastic case.

HEYCO

Set contents:

- 1 push-through ratchet
1/2, 265 mm,
1 extension, 1/2", 125 mm,
1 Cardan joint, 1/2", 80 mm,
1 bi-hexagon socket, 1/2",
10-11-12-13-14-17-19- 22 mm,
1 spark plug socket,
1/2", 20.8 mm,

1 double-ended open spanner
each size
x7-8x9-10x11-12x13-14x15-
16x17 mm,
1 rotating bar, 13x295 mm,
1 screwdriver, Phillips No. 2,
1 screwdriver, Phillips No. 2, short,
1 screwdriver for plain slotted
screws, 5x100 mm,

1 screwdriver for plain slotted
screws, short 6.5x25 mm,
1 combination pliers, 165 mm,
1 water pump pliers, 200 mm,
1 set of feeler gauges,
0.05-1 mm, 13 piece,
1 auto light tester, 6-24 V,
1 spark plug brush

58 401...	
001	



58 401 001

58 403 Tool kit

for forestry trades, gardening and landscape gardening, building, the home, garden, hunting, leisure, in 40-piece, impact-proof, oil and acid resistant plastic case.

HEYCO

Set contents:

- 1 hatchet, DIN 5131, 600g,
1 nail puller, 500mm, DIN 6480,
1 "Profi 2000" garden shears,
1 original "PUK" handsaw,
DIN 6473,
1 scale rule, 2 m, "BMI",
4 gimlets DIN 6455,
3-5-8-10 mm,
1 adjustable spanner, comparable
with DIN 3177, 200 mm,
2 assortments of nails,
1 centre punch CVL,
DIN 7250, 120x10 mm,
1 taper punch CVL,
DIN 6458 B, 120x10x3 mm,

1 pin punch CVL,
DIN 6450 C, 150x10x4 mm,
1 all-purpose knife,
5 spare blades,
1 roll of insulating tape, VDE 0340,
1 cross pein hammer
DIN 1041, 500 g,
5 Allen keys CV,
DIN 911, 2-2.5-3-4-5 mm,
1 Phillips screwdriver
CV, DIN 5252, size 1,
1 screwdriver CV,
DIN 5265, 100x4 mm,
1 screwdriver CV,
DIN 5265, 175x7 mm,

1 voltage tester VDE, 140 mm,
1 scratch awl CV, 100x6 mm,
1 hand-held countersink, 125 mm,
similar DIN 6446,
1 pair of leather gloves,
1 point chisel CVL,
DIN 7256, 300x18 mm,
1 stone chisel CVL,
DIN 7254, 300x18 mm,
1 ripping chisel, DIN 5139,
1 grooved water pump pliers
CV, DIN 5231 F, 300 mm,
1 combination pliers, insulated,
DIN 5244, 160 mm,
1 hacksaw, 500 mm

58 403...	
005	



58 403 005

58 480 Tool sets in plastic modules

for tidy storage in workshop trolleys, workbenches and drawers, etc.,
made of ABS, impact-proof, oil, grease and petrol resistant, size of
the modules: 345 x 175 x 35 mm

HEYCO

Contents	58 480...	
Set of double-ended open spanners; chrome vanadium steel; 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 24 - 27 x 30 mm, 10 piece	001	
Set of combination spanners; cranked shape, 17 piece Chrome vanadium steel; 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 21 - 22 - 24 mm	003	
Set of combination spanners; cranked shape, 14 piece Chrome vanadium steel 50 Cr V 4, spring steel; 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 24 mm	005	
Set of double-ended ring spanners; chrome vanadium steel; 8 piece 6 x 7 - 8 x 9 - 10 x 11 - 12 x 13 - 14 x 15 - 16 x 17 - 18 x 19 - 20 x 22 mm, highly cranked shape	007	
Formel Plus set of pliers; 1 Combination pliers 185 mm, 1 side cutters, 160 mm, 1 radio pliers, 200 mm, 1 wire strippers, 160 mm, 4 piece	009	
Set of Formel Plus VDE pliers; 1 Combination pliers 185 mm, 1 side cutters, 160 mm, 1 radio pliers, 200 mm, 1 wire strippers, 160 mm, 4 piece	009	
Set of screwdrivers; chrome vanadium steel; 8 piece 1 PHILLIPS screwdriver each No. 0, No. 1, No. 2, No. 3 1 screwdriver each for plain slotted screws 3 x 75 - 5.5 x 100 - 6.5 x 125 - 8 x 150 mm	013	
Set of VDE screwdrivers; Chrome vanadium steel, 8 piece 1 PHILLIPS screwdriver each No. 0, No. 1, No. 2, No. 3, 1 screwdriver each for plain slotted screws 2.5 x 75 - 4 x 100 - 5.5 x 125 - 6.5 x 150 mm	015	
Set of pliers; chrome vanadium steel; 4 piece 1 pair of pliers for external snap rings, straight, 175 mm, 1 pair of pliers for external snap rings, curved, 165 mm, 1 pair of pliers for internal snap rings, straight, 175 mm, 1 pair of pliers for internal snap rings, curved, 165 mm	017	
Socket set with 1/4" square drive; 38 piece Chrome vanadium steel; 1 lever reversing ratchet HEYCO VARICA, 1 sliding T-bar with slider, 115 mm, 1 extension, 55 mm, 1 extension, 150 mm, 1 Cardan joint, 35 mm, 1 flexible handle, 155 mm, 1 hexagon socket each size 4 - 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 mm, 1 bit each for plain slot screws size 4 - 5.5 - 8 mm, 1 bit each for PHILLIPS screws No. 1, No. 2, 1 bit each for Allen screws size 3 - 4 - 5 - 6 - 8 mm, 1 offset screwdriver each for hexagon head cap screws 1.5 - 2 - 2.5 - 3 - 4 - 5 - 6 - 8 - 10 mm	019	
Socket set with 1/2" square drive; Chrome vanadium steel; 1 lever reversing ratchet HEYCO VARIAT, 275 mm, 1 sliding T-bar with slider, 300 mm, 1 extension, 75 mm, 1 extension, 125 mm, 1 extension, 250 mm, 1 extension, 80 mm, 1 bi-hexagon socket each size 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 21 - 22 - 23 - 24 - 27 - 30 - 32 mm	021	
Socket set with 1/2" square drive; Chrome vanadium steel; as 58 480 021 ; however, with hexagon sockets	023	



58 480 001



58 480 003



58 480 005



58 480 007



58 480 009



58 480 011



58 480 013



58 480 015



58 480 017



58 480 019



58 480 021



58 480 023



Contented craftspeople can be spotted a mile off.

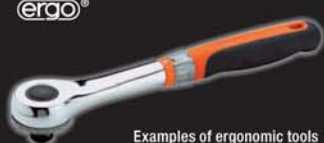
And the reasons for this are equally plain to see.

Premium-quality tools are an essential ingredient when it comes to ensuring maximum efficiency and perfect results. At the same time, they provide craftspeople with the satisfaction of knowing that they have invested in a “reliable partner” – the key to sustained success. It’s all made possible by ergonomic design, innovative details and the superior quality that is needed to meet the demands of a challenging work environment.

A job well done.

For example: Ergonomic hand hacksaw frame, 325

ergo®



Examples of ergonomic tools
developed by Bahco, based
on a scientifically recognised
11-point programme



■ Ergonomically designed
with very high blade tension.

- Centred blade for correct balance
and spring tensioned blade loading mechanism.
- Alternative 55° blade mounting for flush cutting.
- Supplied with the reliable and shatterproof SANDFLEX® Bi-metal blade.

- VDE tools - VDE tools - VDE tools - VDE tools

59 001 Single open-ended spanner

15° jaw offset, basic tool chrome-plated, chrome vanadium steel, insulated according to **VDE 0680/2**, tested according to DIN EN 60900, IEC 900 up to 1000 V



59 001...

Spanner size mm	59 001...		Length mm	Head width mm	Head thickness mm
10	127		110	27	5
11	139		120	30	5.5
13	154		140	34	6.5
14	163		150	35	6.5
17	187		165	42	8
19	199		180	47	9
22	214		205	52	9
24	223		230	56	9

Further sizes available on request

59 008 Single end ring spanner

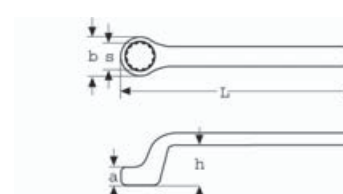
basic tool chrome-plated, chrome vanadium steel, **insulated according to VDE 0680/2**, tested according to DIN EN 60900, IEC 60 900 up to 1000 V



59 008...

Spanner size mm	59 008...		Length mm	Head width mm	Head thickness mm
10	127		170	17	9
11	139		180	18.5	10
13	154		200	21.5	11
14	163		210	23	12
17	187		220	27	13
19	199		240	30	14

Further sizes available on request

**59 014 Adjustable spanner**

Chrome vanadium steel, chrome-plated. Very clean and easy moving jaw guide. With measurement scale. Red/yellow two-colour safety insulation **insulated according to VDE 0680/2**



59 014...

Length mm	59 014...		Jaw opening capacity up to mm
200	020		26
250	025		30
300	030		35

59 016 Sockets

Hexagon, with 1/2" square drive, chrome vanadium steel, **insulated according to VDE 0680/2**, tested according to DIN EN 60 900, IEC 60900 up to 1000 V



59 016..

Socket size mm	59 016...		Ø mm
10	127		19.5
11	139		20.7
12	145		23
13	154		23.2
14	163		24.5
17	187		28.2
19	199		30.7

Further sizes available on request

59 022 Ratchets and accessories

with 1/2" square drive, chrome vanadium steel, **insulated according to VDE 0680/2**, tested according to DIN EN 60 900, IEC 60900 up to 1000 V, reversible ratchet DBGM tested, lock or release the socket with the press of a button



59 022 001



59 022 052



59 022 055

Description	59 022...		Length mm
Reversible ratchet	001		265
Extension	052		125
Extension	055		250



59 051 Screwdrivers

for hexagon socket head screws (Allen screws)

Ergonomics, power and safety - the PRIMAT-VDE achieves top scores in all disciplines. Individually tested at 10,000 volt in a water bath, it is approved for working on live equipment up to 1,000 volt. It fulfils all the conditions of EN 60900 / IEC 60900 and is cold impact tested at -40 °C (marking C):

Handle: Ergonomic triangular shape corresponds to the ideal angle of rotation of the hand (120°), with quick-turn zone and anti-slip protection made of soft plastic, highly shock-resistant core, triangular shaped collar prevents the key from rolling away, practical hang hole for better organisation and order.

Blade: Special, highly hardened and tempered steel, totally insulated, durably marked, with black blade tip for maximum precision.



59 051...

Width across flats mm	59 051...		Blade length mm	Overall length mm
2.5	025		75	165
3	030		75	165
4	040		75	175
5	050		75	185
6	060		100	210
8	080		100	225

59 056 TORX® screwdrivers

Type as above; however, for TORX screws



59 056...

Size	59 056...		Blade length mm	Overall length mm
T 10	010		60	150
T 15	015		75	165
T 20	020		100	190
T 25	025		100	200
T 30	030		100	210
T 40	040		150	275
T 45	045		150	275

59 061 Hexagon nut driver

Type as above; however, for (external) hexagon head screws and bolts



59 061...

Socket size mm	59 061...		Blade length mm	Overall length mm
5.5	055		125	235
6	060		125	235
7	070		125	235
8	080		125	235
9	090		125	235
10	100		125	235
11	110		125	250
12	120		125	250
13	130		125	250

59 068 Screwdrivers

- for plain slotted screws
- made of chrome vanadium steel
- according to VDE 0680/201 - IEC 900 - EN 60900



59 068...

Blade tip width mm	59 068...		Overall length mm	Blade length mm
2.5	001		115	75
3.0	002		175	100
3.5	003		185	100
4.0	004		195	100
5.5	005		230	125
6.5	006		255	150
8	007		290	175
10	008		325	200



- VDE tools - VDE tools - VDE tools - VDE tools

59 070 Screwdrivers**for plain slotted screws**

Ergonomics, power and safety - the PRIMAT-VDE achieves top scores in all disciplines. Individually tested at 10,000 volt in a water bath, it is approved for working on live equipment up to 1,000 volt. It fulfils all the conditions of EN 60900 / IEC 60900 and is cold impact tested at -40 °C (marking C):

Handle: Ergonomic triangular shape corresponds to the ideal angle of rotation of the hand (120°), with quick-turn zone and anti-slip protection made of soft plastic, highly shock-resistant core, triangular shaped collar prevents the tool from rolling away, practical hang hole for more order.

Blade: Special, highly hardened and tempered steel, totally insulated, durably marked, with black blade tip for maximum precision.



59 070...

Blade tip width mm	59 070...		Blade tip thickness mm	Blade length mm	Overall length mm
2.5	025		0.4	75	165
3	030		0.5	100	190
3.5	035		0.6	100	190
4	040		0.8	100	190
5.5	055		1.0	125	225
6.5	065		1.2	150	260
8	080		1.2	175	300
10	100		1.6	200	325

59 070 Screwdriver set**consisting of 59 070... and a voltage tester**

with voltage tester



59 070 400

Number of screwdrivers	59 070...		Size mm
7	400		0.4 x 2.5; 0.5 x 3.0; 0.6 x 3.5; 0.8 x 4.0; 1.0 x 5.5; 1.2 x 6.5

59 080 Screwdrivers

• For plain slotted screws

Wiha SoftFinish handle, according to VDE regulations DIN EN 60900

(IEC 900), blade made of special chrome vanadium molybdenum steel, hardened throughout, black surface finish, blade insulation sprayed onto the blade



59 080...

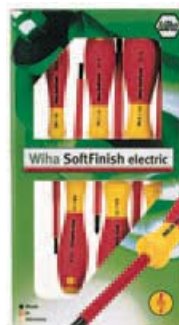
Blade tip width mm	59 080...		Blade tip thickness mm	Blade length mm	Overall length mm
2	028		0.4	60	164
2.5	037		0.4	75	179
3	044		0.5	100	204
3.5	056		0.6	100	204
4	065		0.8	100	211
4.5	074		1	125	236
4.5	075		1	175	286
5.5	092		1	125	243
5.5	093		1	175	293
6	099		1.2	150	268
6.5	106		1.2	150	268
8	117		1.2	175	299
10	130		1.6	200	324



- VDE tools - VDE tools - VDE tools - VDE tools

59 081 Screwdriver set

consisting of: No. 59 080... and 59 089...



59 081 500

Number of screwdrivers	59 081...		Blade type	Blade size mm
6	500		Plain slot Plain slot Plain slot Plain slot Phillips Phillips	5.5 x 125 3 x 100 4 x 100 6.5 x 150 1 x 80 2 x 100

59 084 Screwdrivers

• For Phillips screws

made of chrome vanadium steel according to VDE 0680/201 - IEC 900 - EN 60900



59 084...

Size	59 084...		Overall length mm	Blade length mm
0	001		135	60
1	002		175	80
2	003		205	100

59 086 Screwdrivers

for Phillips PH screws

Ergonomics, power and safety - the PRIMAT-VDE achieves top scores in all disciplines. Individually tested at 10,000 volt in a water bath, it is approved for working on live equipment up to 1,000 volt. It fulfils all the conditions of EN 60900 / IEC 60900 and is cold impact tested at -40 °C (marking C):

Handle: Ergonomic triangular shape corresponds to the ideal angle of rotation of the hand (120°), with quick-turn zone and anti-slip protection made of soft plastic, highly shock-resistant core, triangular shaped collar prevents the key from rolling away, practical hang hole for better organisation and more order.

Blade: Special, highly hardened and tempered steel, totally insulated, durably marked, with black blade tip for maximum precision.



59 086...

Size	59 086...		Blade length mm	Overall length mm
0	001		60	150
1	010		80	180
2	020		100	210
3	030		150	275
4	040		200	325

- VDE tools - VDE tools - VDE tools - VDE tools

59 070 Screwdriver set

consisting of 59 070..., 59 086... and a voltage tester



with voltage tester



59 070 420

Number of screwdrivers	59 070...		Blade type	Blade size mm
7	420		Plain slot	2.5 x 75
			Plain slot	4.0 x 100
			Plain slot	5.5 x 125
			Plain slot	6.5 x 150
			Phillips	1 x 80
			Phillips	2 x 100

59 089 Screwdrivers

• For Phillips PH screws

• According to VDE regulations DIN EN 60900 (IEC 900) up to 1000 volt, Blade chrome vanadium molybdenum steel, hardened throughout, black surface finish, blade insulation sprayed on the blade, WIHA SoftFinish handle



59 089...

Size	59 089...		Blade length mm	Overall length mm
0	007		60	164
1	010		80	191
2	013		100	218
3	016		150	268
4	019		200	318

59 091 Screwdrivers

• For Pozidrive/Supadrive cross-head screws

Made of chrome vanadium steel according to VDE 0680/201 - IEC 900

- EN 60900



59 091...

Size	59 091...		Blade length mm	Overall length mm
1	002		80	191
2	003		100	218

59 093 Screwdrivers

for Pozidrive cross-head screws

Ergonomics, power and safety - the PRIMAT-VDE achieves top scores in all disciplines. Individually tested at 10,000 volt in a water bath, it is approved for working on live equipment up to 1,000 volt. It fulfils all the conditions of EN 60900 / IEC 60900 and is cold impact tested at -40 °C (marking C):

Handle: Ergonomic triangular shape corresponds to the ideal angle of rotation of the hand (120°), with quick-turn zone and anti-slip protection made of soft plastic, highly shock-resistant core, triangular shaped collar prevents the tool from rolling away, practical hang hole for more order.

Blade: Special, highly hardened and tempered steel, totally insulated, durably marked, with black blade tip for maximum precision.



59 093...

Size	59 093...		Blade length mm	Overall length mm
0	001		60	150
1	010		80	180
2	020		100	210
3	030		150	275
4	040		200	325



- VDE tools - VDE tools - VDE tools - VDE tools

59 070 Screwdriver set

consisting of 59 070..., 59 093... and a voltage tester



with voltage tester



59 070 440

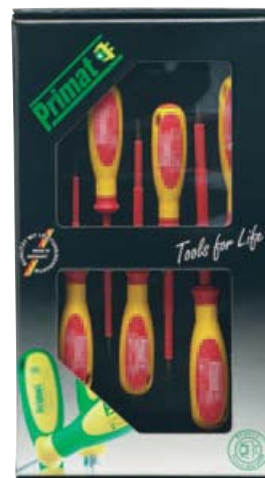
Number of screwdrivers	59 070...		Blade type	Blade size mm
7	440		Plain slot Plain slot Plain slot Plain slot Pozidrive Pozidrive	2.5 x 75 4.0 x 100 5.5 x 125 6.5 x 150 1 x 80 2 x 100

59 100 Screwdriver set

consisting of 59 086..., 59 093... and a voltage tester



with voltage tester



59 100 400

Number of screwdrivers	59 100...		Blade type	Blade size mm
7	400		Phillips Phillips Phillips Pozidrive Pozidrive Pozidrive	0 x 60 1 x 80 2 x 100 0 x 60 1 x 80 2 x 100

59 101 Special screwdrivers

for combined slot and Pozidrive screws. According to VDE regulations DIN EN 60900:2004 (IEC 60900:2004) for use in all connection and fastening technology. Optimum fit in the screw head, two-component handle



+



59 101...

Size	59 101...	
1	001	
2	002	

1 blade for slot and Pozidrive screws



"TOOLS"

- VDE tools - VDE tools - VDE tools - VDE tools

59 105 Screwdriver set

- the first compact, smart tool for electricians
- detachable rotary cap and soft sleeve zone for use as a precision tool
- 12 IEC interchangeable blades with 2-component handle in robust box
- safety tool according to DIN EN 60900 - all parts individually tested under 10.000 volt
- blades securely held in the handle, automatic locking against accidental pulling out



2 handles + 12 blades



59 105 014

Contents	59 105...	
2.5 x 0.4 / 3.0 x 0.5 / 3.5 x 0.6 4.0 x 0.8 / 5.5 x 1.0 / 6.5 x 1.2 PH1 / PH2 / PZ2 T10 / T15 / T20	014	

59 990 VDE pliers set

3-piece, in practical plastic case with cover

**Type:**

Heads chrome-plated, handles insulated, 1000 volt according to IEC 900, VDE tested, with inductively hardened cutting edges

Scope of supply:

- Side cutters 160 mm
- Combination pliers 180 mm
- Radio pliers 200 mm

59 990...	
100	



59 990 100

59 210 Combination pliers

with extra long, additionally inductively hardened cutting edges for medium-hard wire, hard, serrated jaw gripper surfaces made of special tool steel, DIN ISO 5746

Type: Head chrome plated, handles insulated, 1000 volt, tested according to EN/IEC 60900:2004 and GS



Overall length mm	59 210...	
160	516	
180	518	
200	520	



59 210...

59 212 Combination pliers

slender shape, **for hard and soft wire**, completely hardened in oil and tempered, additional inductive hardening of the cutting edges, material: Special tool steel, oil hardened (60 HRC),

Type: Head chrome plated, handles insulated, 1000 volt, tested according to IEC 900 and VDE



59 212...

Overall length mm	59 212...	
160	516	
180	518	
200	520	



- VDE tools - VDE tools - VDE tools - VDE tools

59 214 Combination pliers

with high-precision cutting edges for all wires (including piano wire), long cutting edges for thicker cables, wearproof gripping jaws, for the hardest continuous stress, material: Chrome vanadium electric steel, oil hardened,

Type: Head chrome plated, insulated with two-coloured multi-component handle sheaths, VDE tested, 1000 V according to IEC 60900



59 214...

for the toughest continuous use

Overall length mm	59 214...	
160	516	
190	519	

59 216 Strong combination pliers

for the hardest stresses and loads, 35% effort saving due to new, improved leverage ratios, with jaw gripping zones for flat and round material for versatile use, with cutting edges for soft, hard and piano wire, long cutting edges for thicker cable, cutting edges also inductively hardened, cutting edge hardness approx. 64 HRC, special grade tool steel, hardened in oil and tempered

Type: Head chrome plated, insulated with two-coloured multi-component handle sheaths, VDE tested, 1000 V according to IEC 60900



59 216...

Overall length mm	59 216...	
180	518	
200	520	
225	525	

59 230 "Alligator" water pump pliers

DIN 8976, with pushed through hinge, 7 adjustable positions for gripper jaws with special hardened teeth, with anti-nipping, material: Chrome vanadium electric steel, oil hardened,

Type: Head chrome plated, insulated with two-coloured multi-component handle sheaths, VDE tested, 1000 V according to IEC 60900



59 230...

Overall length mm	59 230...		Jaw capacity mm
250	125		36

59 245 Flat-nosed pliers

with long, flat jaws, gripping surface serrated, material: tool steel, DIN ISO

Type: Head chrome plated, insulated with two-coloured multi-component handle sheaths, GS tested, 1000 V according to IEC 60900



59 245...

Overall length mm	59 245...	
160	516	

59 247 Flat-nosed pliers

DIN 5745, short, flat jaws, gripping surface serrated, Material: Special tool steel, oil hardened,

Type: Head chrome plated, insulated with two-coloured multi-component handle sheaths, VDE tested, 1000 V according to IEC 60900



59 247...

Overall length mm	59 247...		Jaws length mm
160	516		30

- VDE tools - VDE tools - VDE tools - VDE tools

59 250 Round-nosed pliers

with long, round jaws, gripping surface serrated, material: Special tool steel, DIN ISO 5745

Type: Head chrome plated, insulated with two-coloured multi-component handle sheaths, GS tested, 1000 V according to IEC 60900



Overall length mm	59 250...	
160	516	



59 250...

59 252 Round-nosed pliers

DIN 5745, short round jaws, precision-ground, material: Chrome vanadium electric steel, oil hardened,

Type: Head chrome plated, insulated with two-coloured multi-component handle sheaths, VDE tested, 1000 V according to IEC 60900



Overall length mm	59 252...		Jaws length mm
160	516		30



59 252...

59 255 Long flat-nosed pliers

DIN 5745, flat, wide jaws, for gripping cables in housings with narrow access, material: Chrome vanadium electric steel, oil hardened, **Type:** Head chrome plated, insulated with two-coloured multi-component handle sheaths, VDE tested, 1000 V according to IEC 60900



Overall length mm	59 255...		Jaws length mm
160	516		47



59 255...

59 258 Long round-nosed pliers

DIN 5745, with long, round jaws, gripping surfaces clean and smooth ground, material: Chrome vanadium electric steel, oil hardened

Type: Head chrome plated, insulated with two-coloured multi-component handle sheaths, VDE tested, 1000 V according to IEC 60900



Overall length mm	59 258...		Jaws length mm
160	516		41



59 258...

59 262 Radio pliers

with cutting edge for medium-hard wire, cutting edge inductively hardened, made of special steel,

Type: Head chrome plated, handles insulated, with two-coloured multi-component handles, 1000 volt, tested according to EN/IEC 60900:2004, VDE and GS



...620 with 45° curved jaws

Overall length mm	59 262...		Jaws length mm
160	516		60
200	520		85
200	620		80



59 262 516



59 262 620



59 264 Radio pliers

DIN 5745, with cutting edge for hard and soft wire and flat, round jaws, gripping surfaces serrated, material: Special tool steel, oil hardened,
Type: Head chrome plated, insulated with two-coloured multi-component handle sheaths, VDE tested, 1000 V according to IEC 60900

...616 and ...620 with 40° curved jaws



59 264 516



59 264 616



59 264 520



59 264 620

Overall length mm	59 264...		Jaws length mm
160	516		50
160	616		50
200	520		73
200	620		73

59 298 Side cutters

for hard wire, cutting edges inductively hardened made of from special tool steel, DIN ISO 5749

Type: Head chrome plated, handles insulated, 1000 volt, tested according to EN/IEC 60900:2004, VDE and GS



59 298...

Länge mm	59 298...	
140	514	
160	516	
180	518	

59 301 Side cutters

DIN 5749, for hard and soft wire, inductively hardened precision cutting edges, material: vanadium electric steel, oil hardened

Type: Head chrome plated, insulated with two-coloured multi-component handle sheaths, VDE tested, 1000 V according to IEC 60900



59 301...

Length mm	59 301...		Cutting capacities medium-hard wire Ø mm	Cutting capacities hard wire Ø mm
125	512		2.3	1.5
140	514		2.5	1.8
160	516		2.8	2.0
180	518		3.0	2.5

59 303 C60 strong side cutters

DIN ISO 5749, for piano wire, inductively hardened precision cutting edges, (HRC 64) material: Special C60 tool steel, oil hardened

Type: Head chrome plated, handles insulated, 1000 volt, tested according to EN/IEC 60900:2004, VDE and GS



59 303...

Length mm	59 303...		Cutting capacities medium-hard wire Ø mm	Cutting capacities hard wire Ø mm
160	516		3.5	2.5
180	518		3.8	2.7
200	520		4.2	3.0

up to 4.2 mm
cutting capacity

- VDE tools - VDE tools - VDE tools - VDE tools

59 304 Strong side cutters

DIN 5749 A, for piano wire and soft wire, with forged on joint axis for even the hardest stresses, inductively hardened precision cutting edges, cutting edges hardness 64 HRC, material:

Chrome vanadium electric steel, oil hardened,

Type: Head chrome plated, insulated with two-coloured multi-component handle sheaths, VDE tested, 1000 V according to IEC 60900



59 304...

Length mm	59 304...		Cutting capacities hard wire Ø mm	Cutting capacities piano wire Ø mm
160	516		2.5	2.0
180	518		2.7	2.2
200	520		3.0	2.5
250	525		3.5	3.0

59 306 Wire stripping side cutters

- the indispensable pliers for electrical installation
- precision wire stripping holes for single wire (solid) conductors 1.5 and 2.5 mm²
- inductively hardened precision cutting edges for soft wire up to Ø 4.0 mm, cutting edge hardness approx. 60 HRC
- Vanadium electric steel, hardened and tempered in oil

Type: Head chrome plated, insulated with two-coloured multi-component handle sheaths, VDE tested, 1000 V according to IEC 60900



59 306 516

Length mm	59 306...		Wire stripping values mm ² /AWG
160	516		1.5 + 2.5/15 + 13

59 314 Wire strippers

for cables and stranded conductors up to 5 mm diameter, with adjusting screw and opening spring, material: Special steel,

Type: Head chrome plated, handles insulated, 1000 volt, tested according to EN/IEC 60900:2004, VDE and GS



59 314 516

Length mm	59 314...	
160	516	

59 316 Wire strippers

with opening spring and adjusting screw for adjusting to the required wire or stranded conductor diameters up to 5 mm or 10 mm

2 conductor cross-section, material: Special tool steel, oil hardened,

Type: Head chrome plated, insulated with two-coloured multi-component handle sheaths, VDE tested, 1000 V according to IEC 60900



59 316 516

Length mm	59 316...	
160	516	

59 330 Cable-stripping knives

according to VDE 0680, handy handle made of impact-proof plastic, with protective cap, blade made of stainless steel.



Overall length mm	59 330...		Blade length mm
180	005		50
180	010		50
180	015		50



...005

...010

...015



59 350 Cable shears

DIN ISO 5746 for cutting copper and aluminium cables, bolted, with opening spring and lock, VDE insulated

Type: Head chrome plated, handles insulated, 1000 volt, tested according to EN/IEC 60900:2004, VDE and GS

- Chrome vanadium steel



59 350...

Length mm	59 350...		Cutting values Ø mm / mm ²
170	117		12 mm/40 mm ²
230	123		18 mm/60 mm ²

59 352 Cable shears

...516

- for Cu and Al cables, single and multi-stranded
- **not suitable for steel wire and hard-drawn copper conductors**
- cuts smoothly and cleanly without crushing
- easy to cut with one hand
- with anti-nipping protection
- adjustable bolted hinge, self-locking
- forged
- special tool steel, hardened and tempered in oil

...520

- the pre- and re-cut (1st and 2nd cutting edge) can even be used to cut cables over 20 mm Ø
- low effort required due to favourable transformation ratios and new tool geometry
- special tool steel, hardened and tempered in oil



59 352 516



59 352 520

Length mm	59 352...		Cutting values Ø mm/mm ²
165	516		15/50
200	520		20/70

59 355 Cable cutters, ratchet principle

- For cutting Cu and Al cables, single and multi-stranded
- Not suitable for steel wire and wire ropes
- Hardened cutting edges with precision grinding
- Cuts smoothly and cleanly without crushing
- One-hand use due to ratchet principle
- Low effort required due to optimum transformation ratios
- Two-gear ring gear drive for easy cutting
- Easy handling due to low weight and compact design - can also be used in confined space conditions
- with anti-nipping protection

Type: Handles insulated with two-coloured multi-component handles, 1000 V, VDE tested



59 355 025



59 355 028

Length mm	59 355...		Cutting capacity Ø mm	Cutting capacity mm ²
250	025		32	240
280	028		52	380

59 370 Hacksaw frames

Fully insulated saw frames with plastic clamping screws. Completely insulated with double safety coating. Replaceable saw blade.



...015



...030

Length mm	59 370...	
150	015	
300	030	



Non-sparking safety tools

Ampco safety tools are recommended by the trade association liable for industrial safety (BG), the insurance industry and safety engineers for precautionary protection of humans and property to prevent and avoid disastrous situations such as explosions and fires.

Use of **"non-sparking"** tools for the Ampco safety tools has been approved by the Factory Mutual Corporation, USA and also by the chemical industry BG as well as by the state material testing agency of North-Rhine Westphalia.

Apart from this property, these alloys, and therefore the tools, are corrosion resistant and anti-magnetic.

Ampco Metal is one of the worldwide largest producers of safety tools. More than 1,600 products are available, if you should require tools, special sizes or types which are not illustrated, please ask us for a quotation.

59 802 Double open-ended spanners

non-sparking



59 802...

Spanner size mm	59 802...		Length mm
6 x 7	097		95
8 x 10	118		115
9 x 11	124		125
12 x 14	148		145
13 x 15	157		155
16 x 18	181		170
17 x 19	187		185

Spanner size mm	59 802...		Length mm
20 x 22	205		200
21 x 23	208		220
24 x 27	226		240
30 x 32	253		285
36 x 41	271		340
46 x 50	280		415

59 803 Combination spanners

with the same spanner sizes at both ends, non-sparking



59 803...

Spanner size mm	59 803...		Length mm
8	115		150
9	121		150
10	127		175
11	139		175
12	145		205
13	154		205
14	163		205
15	175		225

Spanner size mm	59 803...		Length mm
17	181		270
19	187		270
22	214		295
24	223		325
27	238		355
30	253		390
32	262		430
36	271		475

59 805 Double-ended ring spanners

cranked, bi-hexagon, non-sparking



59 805...

Spanner size mm	59 805...		Length mm
6 x 7	097		155
8 x 9	115		155
10 x 11	127		170
12 x 13	145		180
14 x 15	163		220
16 x 17	178		260
17 x 19	187		280

Spanner size mm	59 805...		Length mm
20 x 22	205		330
21 x 23	208		360
24 x 27	226		400
30 x 32	253		430
36 x 41	271		510
46 x 50	280		630



Non-sparking safety tools

59 808 Slogging ring spanner

bi-hexagon, non-sparking



59 808...

Spanner size mm	59 808...		Length mm
27	238		180
30	253		190
32	262		190
36	271		205
41	280		230
46	283		242
50	286		254

Spanner size mm	59 808...		Length mm
60	292		283
65	295		300
70	298		325
75	301		325
80	304		358
85	307		358
Open-ended slogging spanners & wrenches available on request			

59 810 Adjustable spanner

non-sparking



59 810...

Jaw opening capacity max. mm	59 810...		Length mm
19	001		150
25	003		200
30	005		250
36	007		300
44	009		380

59 811 Sockets

Hexagon, with 1/2" square drive, non-sparking



59 811...

Socket size mm	59 811...		Length mm
10	127		40
11	139		40
12	145		40
13	154		40
14	163		40
17	187		40

Socket size mm	59 811...		Length mm
19	199		42
22	214		44
24	223		46
27	238		48
30	253		50
32	262		50

59 812 Ratchets and accessories

with 1/2" square drive, non-sparking



59 812...

Product	59 812...		Length mm
Ratchet	001		250
Extension	058		250



Non-sparking safety tools

59 814 Screwdrivers

for plain slotted screws **non-sparking**



59 814...

Blade width mm	59 814...		Blade length mm	Overall length mm
3	001		60	150
4	003		120	210
5	005		80	170
6	007		100	200
8	009		150	260
10	011		200	320

59 816 Screwdrivers

for cross-slot (Phillips) screws **non-sparking**



59 816...

Size	59 816...		Blade length mm	Overall length mm
1	001		80	170
2	002		100	200
3	003		150	260
4	004		200	320

59 818 Water pump pliers

non-sparking



59 818...

Overall length mm	59 818...		Jaw capacity mm
250	001		40
300	002		50
400	003		85

59 820 Corner pipe wrenches

non-sparking



59 820...

For pipes inch	59 820...		Spread mm	Overall length mm
1	001		35	320
1 1/2	002		45	440
2	003		55	560

59 824 Combination pliers

non-sparking



59 824...

Overall length mm	59 824...	
170	018	
200	020	

59 826 Side cutters

non-sparking



59 826 017

Overall length mm	59 826...	
155	017	



Non-sparking safety tools

59 829 Flat-nosed pliers

non-sparking



59 829...

Length mm	59 829...	
160	003	

59 833 Round-nosed pliers

non-sparking



59 833...

Length mm	59 833...	
160	003	

59 836 Cross pein hammers

non-sparking



59 836...

Weight g	59 836...		Head length mm	Head width mm	Overall length mm
300	003		105	23	300
500	005		118	28	320
800	008		130	33	350
1000	010		135	36	360
1500	015		145	42	380
2000	020		155	47	400

Sledgehammers and club hammers available on request

59 840 Flat chisels

non-sparking



59 840...

Length mm	59 840...	
160	002	
230	004	
205	006	
310	008	

59 842 Cross-cut chisels

non-sparking



59 842...

Length mm	59 842...	
205	003	
235	005	

Non-sparking safety tools

59 845 Taper punches

non-sparking



59 845...

Ø mm	59 845...		Length mm
2	002		120
4	004		120
5	005		120
6	006		120
8	008		160
10	010		160

59 848 Centre punch

non-sparking



59 848 002

Length mm	59 848...	
100	002	

59 850 Scriber

non-sparking



59 850 001

Length mm	59 850...	
225	001	

59 854 Putty/filling knives

rigid blade, non-sparking



59 854...

Blade width mm	59 854...	
30	003	
50	005	
90	009	

Scrapers and other cleaning tools available on request

59 858 Wire handbrush

Round wire, non-sparking



59 858 001

Fill width mm	59 858...	
25	001	

59 860 Safety basin wrenches

Releases stubborn fittings in no time, slip-proof to use, work optimising and time saving, with rubber handle and extension protection.

Non-sparking type for particularly dangerous zones and for live working zones.



59 860 001

DN mm	59 860...		Length mm
25 - 80	001		280
50 - 100	003		340
125 - 250	005		450

