

GEDORE ▾

2023-24

GSA RANGE CATALOGUE



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TOOLS FOR LIFE



2

SPANNERS



98

TOOL ASSORTMENTS



136

TORQUE TOOLS



54

SCREWDRIVERS



82

AUTOMOTIVE TOOLS



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SPANNERS

The key to success: perfect work results can only be reached with the perfect spanner. The name GEDORE stands for exact nominal dimensions, long service life, full torque transmission and work safety worldwide.

The GEDORE story began with the spanner in 1919. Since then, the range of open-end, ring, ring ratchet and special spanners has grown steadily. Classics such as the No. 6 and the 7R ratchet spanner continue to set standards in terms of precision and reliability. All GEDORE spanners are manufactured from high-quality steel in a forging

furnace, have precise nominal dimensions and a complex surface finish. Quality made in Germany and South Africa for optimum working quality and safety.



PRECISION, CORRECT MEASUREMENTS AND PERFECT FIT

- The most important requirements for a safe working environment
- Easy transmission of torque
- Profiles easy on the bolt heads (UD, jaw, hexagon)
- Precise manufacture of spanners ensure that spanners fit perfectly on bolts





WHY MATT CHROME-PLATED?

- Secure grip, even with oily hands
- Double corrosion protection



PRECISE
RELIABLE



DURABLE AND RESILIENT

- For hard, safe continuous use
- High torque tolerance - spanners bend instead of breaking when overloaded
- Extreme durability for a long life

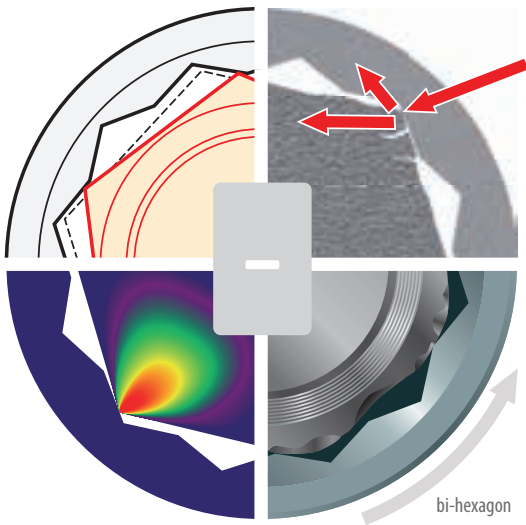
WIDEST RANGE

- A wide range of spanners for all work requirements.
- Available individually or in convenient sets

GEDORE UNIT-DRIVE

The GEDORE UNIT-DRIVE profile prevents the "round turning" of screw heads by means of a wave profile without pointed or sharp edges.

TRADITIONAL PROFILE



- 1** The reduced contact surface lessens the force closure. Certain torque transfer is no longer possible and can become a risk.
- 2** The influence exerted of the sharp edges raises the notching effect on the bolt. The profile is ruined.
- 3** Since there is no longer any torque transfer, the rounded bolt profiles cannot be unscrewed - the tool keeps on slipping.
- 4** Pronounced force on the tip of the bolt profile. Concentrated pressure deforms the bolt.

1 A large contact surface provides a secure force closure even for those bolts whose sizes lie outside of the tolerances.

2 Uniform distribution of the force on the bolt flanks. The resulting reduced notching effect stops the bolt from turning round and round.

3 Gentle torque transfer enables even worn bolts to be unscrewed with every certainty - no slipping of the tool at all.

4 Thanks to the optimally distributed force up to 20 % higher torques can be transferred.

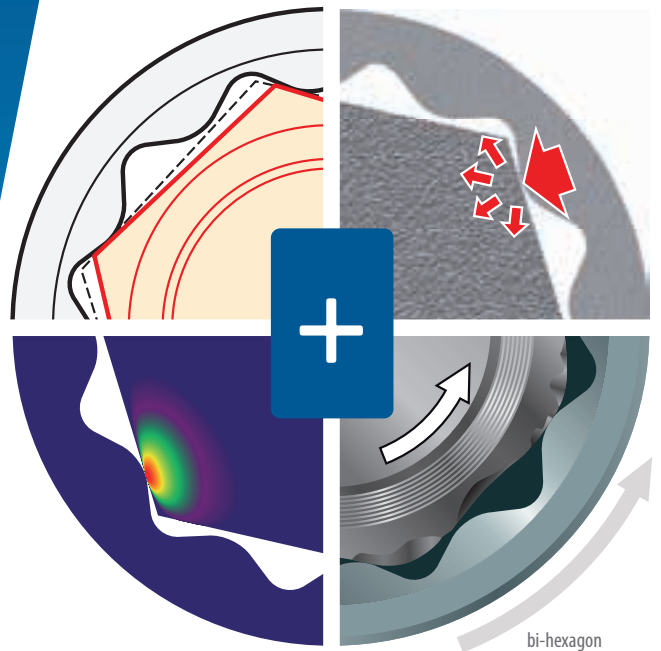
OPTIMUM FRICTIONAL LOCKING PROTECTS SCREW HEADS



Enlarged, round contact surfaces of GEDORE tools ensure reliable torque transmission, which acts evenly on the screw head.

The notch effect, reduced to a minimum as a result, prevents damage to the screw head profile - a plus for safety, as slipping and spinning is prevented, even with damaged screw heads.

GEDORE UNIT-DRIVE PROFILE (UD-PROFILE)



i NO. 1 B

The strong all-rounder



1 JAW: GROUND PRECISELY TO EXACT NOMINAL SIZE FOR OPTIMUM CONTACT AREAS

2 NON-GLARE, MATT CHROME-PLATING

3 RING: 10° OFFSET FROM SHAFT, WITH UD PROFILE FOR GENTLE TRANSMISSION OF FORCE

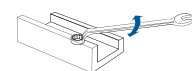
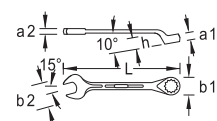
4 SLIM RIBBED OPEN END FOR ADDED STRENGTH GUARANTEES MAXIMUM TORQUE

- Acc. to DIN 3113 Form B, ISO 3318, ISO 7738
- Sizes 5 and 5.5 mm with hexagonal ring, up from size 6 mm with UD profile
- GEDORE vanadium steel 31CrV3, chrome plated
- Carefully forged and professionally machined

- Ring: cranked and angled 10°, with UD Profile for gentle power transmission
- Overloading indicated by deformation
- The offset ring ensures a better grip on deep seated or inset nuts or bolts
- Top-grade industrial quality for the hardest of continuous use

1 B (MM)

Combination spanner with same size each end metric



- > Size 5 and 5.5 mm with hexagonal ring, from 6mm with UD profile for gentle power transmission
- > Ring cranked and angled 10°
- > For actuating recessed or deep-set nuts or screws

Code	No.	mm	L	Weight g
6000240	1 B 5	5	100	15
6000320	1 B 5,5	5.5	100	15
600040	1 B 6	6	100	14
600059	1 B 7	7	112	21
600067	1 B 8	8	125	25
600075	1 B 9	9	138	33
600083	1 B 10	10	148	44
600091	1 B 11	11	158	50
600105	1 B 12	12	168	70
600113	1 B 13	13	185	77
600121	1 B 14	14	198	88
600148	1 B 15	15	210	103
600156	1 B 16	16	220	120
600164	1 B 17	17	232	140
600172	1 B 18	18	245	160
600180	1 B 19	19	258	190
600199	1 B 20	20	270	220
600202	1 B 21	21	280	250
600210	1 B 22	22	292	300
600229	1 B 23	23	305	335
600237	1 B 24	24	318	370

Code	No.	mm	L	Weight g
600245	1 B 25	25	328	410
600253	1 B 26	26	340	450
600261	1 B 27	27	352	500
600288	1 B 28	28	370	560
600296	1 B 29	29	370	570
600318	1 B 30	30	390	645
600326	1 B 32	32	412	780
002540	1 B 33	33	412	1000
600415	1 B 34	34	412	840
600342	1 B 36	36	460	1160
600350	1 B 38	38	460	1450
002527	1 B 41	41	520	1485
002528	1 B 46	46	550	1900
002529	1 B 50	50	580	2350
002530	1 B 55	55	620	3600
6004070	1 B 60	60	660	3600
6004660	1 B 65	65	710	4500
6004740	1 B 70	70	760	5600
6004820	1 B 75	75	810	6454
6004900	1 B 80	80	860	8800

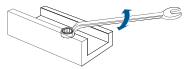
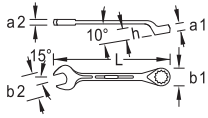
1 B (AF)

Combination spanner with same size each end metric



- > With UD profile for gentle power transmission, from SW 1.3/8" 12-edge ring
- > Ring cranked and angled 10
- > For actuating recessed or deep-set nuts or screws

*WHILE STOCKS LAST



Code	No.	⊙"AF	L	Weight g	Code	No.	⊙"AF	L	Weight g
600512	1 B 1/4AF	1/4"	100	14	600881	1 B 1.3/16AF	1.3/16"	370	570
600520	1 B 5/16AF	5/16"	125	25	600687	1 B 1.1/4AF	1.1/4"	412	780
600539	1 B 3/8AF	3/8"	148	45	600695	1 B 1.5/16AF	1.5/16"	412	790
600547	1 B 7/16AF	7/16"	158	50	600709	1 B 1.3/8AF	1.3/8"	460	1150
600555	1 B 1/2AF	1/2"	185	80	600717	1 B 1.7/16AF	1.7/16"	460	1160
600563	1 B 9/16AF	9/16"	198	97	600725	1 B 1.1/2AF	1.1/2"	460	1170
600571	1 B 5/8AF	5/8"	220	120	6007330	1 B 1.5/8AF	1.5/8"	520	1500
600598	1 B 11/16AF	11/16"	245	174	6007410	1 B 1.3/4AF	1.3/4"	550	1900
600601	1 B 3/4AF	3/4"	258	185	6007760	1 B 1.7/8AF	1.7/8"	550	1900
600628	1 B 13/16AF	13/16"	280	250	6007840	1 B 2AF	2"	580	2400
600636	1 B 7/8AF	7/8"	292	300	6007920	1 B 2.1/16AF	2.1/16"	580	3200
600644	1 B 15/16AF	15/16"	318	370	6008060	1 B 2.3/16AF *	2.3/16"	620	3600
600652	1 B 1.AF	1"	340	450	6008140	1 B 2.1/4AF	2.1/4"	620	4000
600660	1 B 1.1/16AF	1.1/16"	352	500	6008220	1 B 2.3/8AF	2.3/8"	660	4400
600679	1 B 1.1/8AF	1.1/8"	370	570	6008300	1 B 2.7/16AF	2.7/16"	660	4800

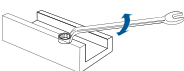
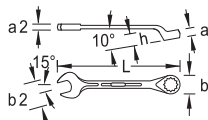
1 B

Combination spanner sets



- > With UD profile for gentle power transmission, from SW 1.3/8" 12-edge ring
- > Ring cranked and angled 10
- > For actuating recessed or deep-set nuts or screws

*WHILE STOCKS LAST



Code	No.	Contents	pieces	kg
601152	1 B-04M	10 13 17 19 mm	4	0.500
601160	1 B-06M*	10 11 13 14 17 19 mm	6	0.670
601187	1 B-08M	10 12 13 14 17 19 22 24 mm	8	1.380
601200	1 B-10M*	10 11 12 13 14 15 16 17 18 19 mm	10	2.100
601217	1 B-12M	10 11 12 13 14 17 19 22 24 27 30 32 mm	12	3.260
601268	1 B-17M	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 mm	17	1.910
601268TR	1 B-17M WITH TOOLROLL*	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 mm	17	2.270
601438	1 B-18M	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 24 mm	18	2.390
601292	1 B-TOP 20M*	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 24 27 30 mm	20	3.373
601276	1 B-26M	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 mm	26	6.740
601276TR	1 B-26M WITH TOOLROLL*	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 mm	26	7.100
601179	1 B-13A	1/4" 5/16" 3/8" 7/16" 1/2" 9/16" 5/8" 11/16" 3/4" 13/16" 7/8" 15/16" 1."	13	2.285
601209	1 B-017A	1/4" 5/16" 3/8" 7/16" 1/2" 9/16" 5/8" 11/16" 3/4" 13/16" 7/8" 15/16" 1." 1.1/16" 1.1/8" 1.3/16" 1.1/4"	17	4.765

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i NO. 7

The handy



1 JAW: GROUND PRECISELY TO EXACT NOMINAL SIZE FOR OPTIMUM CONTACT AREAS

2 RING: 15° OFFSET FROM SHAFT, WITH UD PROFILE FOR GENTLE TRANSMISSION OF FORCE

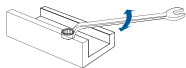
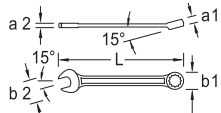
3 NON-GLARE, MATT CHROME-PLATING

- Acc. to DIN 3113 Form A, ISO 3318, ISO 7738
- GEDORE vanadium steel 31CrV3, chrome plated
- Carefully forged and professionally machined
- Slim jaw and jaw walls make this spanner lighter overall
- Overloading indicated by deformation

- Secure grip thanks to hollow shaft - very ergonomic and handy
- Non-glare look thanks to matt chrome-plating
- Designed for universal use
- Top-grade industrial quality for the hardest of continuous use

7 (MM)

Combination spanner with same size each end metric



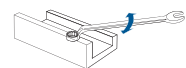
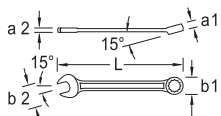
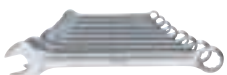
- > Slim jaw and jaw walls make this spanner lighter overall
- > Ring 15° angled, with UD profile - for gentle power transmission
- > Mouth position 15°, precisely ground to exact nominal dimension for optimum contact surfaces

Code	No.	mm	L	Weight g
608955	7 6	6	100	12
608963	7 7	7	110	15
608971	7 8	8	120	20
608998	7 9	9	130	32
609005	7 10	10	140	34
609013	7 11	11	150	45
609021	7 12	12	160	50
609048	7 13	13	170	65
609056	7 14	14	180	73
609064	7 15	15	190	90
609161	7 16	16	200	120
609072	7 17	17	210	105
609188	7 18	18	220	165
609080	7 19	19	230	150

Code	No.	mm	L	Weight g
609196	7 20	20	240	220
609218	7 21	21	252	250
609099	7 22	22	262	215
609226	7 23	23	270	335
609102	7 24	24	282	295
609234	7 25	25	290	410
609242	7 26	26	302	450
609110	7 27	27	310	400
609250	7 28	28	320	440
609269	7 29	29	330	500
609129	7 30	30	340	544
609137	7 32	32	380	624

7 (MM)

Combination spanner set metric



- > Practical composition
- > With same size each end
- > Ring 15° angled, with UD profile - for gentle power transmission
- > Mouth position 15°, precisely ground to exact nominal dimension for optimum contact surfaces

*WHILE STOCKS LAST

Code	No.	Contents	pieces	Weight g
609358	7-17 M	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 mm	17	1.65
609579	7-21M*	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 24 27 30 32 mm	21	3.70
609374	7-26 M	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 mm	26	5.11

RATCHET SPANNER

The revolution



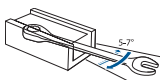
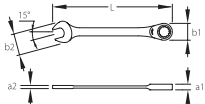
- 1** HOLLOW PROFILE
COMFORTABLE TO HOLD
- 2** FOR RATCHET LOOSENING
AND TIGHTENING
- 3** WARP-RESISTANT GEOMETRY
WITH DOUBLE T-GIRDER EFFECT
- 4** NON-GLARE, MATT CHROME-PLATING

- With same size each end
- UD profile
- GEDORE vanadium steel 31CrV3
- Non-glare look thanks to matt chrome plating

- Locking insert and pawl manganese-phosphated
- Hot forged
- Jaw: ground precisely to exact nominal size for optimum contact areas
- High torque transfer

7 R

Combination
ratchet spanner
Flat pattern

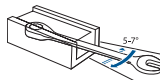


- > With same size each end
- > For ratcheting release or quick tightening
- > Flat pattern
- > High torque transfer

Code	No.	Ø mm	L	Weight g	Code	No.	Ø mm	L	Weight g
2297051	7 R 8	8,0	140	32	2297167	7 R 18	18,0	237	197
2297078	7 R 9	9,0	150	42	2297175	7 R 19	19,0	250	202
2297086	7 R 10	10	160	54	2219433	7 R 21	21,0	274	262
2297094	7 R 11	11	164	63	2297191	7 R 22	22,0	292	319
2297108	7 R 12	12,0	170	69	2297205	7 R 24	24,0	325	520
2297116	7 R 13	13,0	180	88	2297213	7 R 27	27,0	359	590
2297124	7 R 14	14,0	190	101	2297221	7 R 30	30,0	399	780
2297132	7 R 15	15,0	200	125	2297248	7 R 32	32,0	424	920
2297140	7 R 16	16,0	212	137	2219549	7 R 34	34,0	449	1010
2297159	7 R 17	17,0	225	160	2219557	7 R 36	36,0	480	1208

7 R-005

Combination
ratchet spanner set
5 pieces



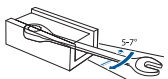
- > Practical composition
- > For ratchet loosening and fast tightening
- > Flat pattern
- > In plastic case

*WHILE STOCKS LAST

Code	No.	Contents	Pieces	kg
2297434	7 R-005	7 R 8 10 13 17 19 mm	5	0.930

7 R-012

Combination
ratchet spanner set
12 pieces



- > Practical composition
- > For ratchet loosening and fast tightening
- > Flat pattern
- > In robust sheet metal case

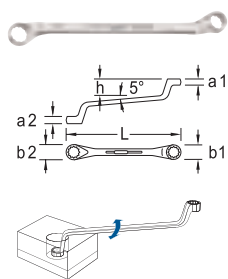
Code	No.	Contents	Pieces	kg
2297442	7 R-012	7 R 8 10 12 13 14 15 16 17 18 19 mm	12	2.840

i NO. 2
Offset



- Rings deep offset, thin, strong walls
- Acc. to DIN 838, ISO 3318, ISO 1085, ISO 10104
- GEDORE vanadium steel 31CrV3, chrome plated
- Carefully forged and professionally machined:
- Ring: thin-walled, 5° deep offset from shaft, with UD profile for gentle transmission of force
- High torque - does not fracture or splinter when overloaded, minimising the risk of injury
- Overloading indicated by deformation
- Non-glare look, matt chrome-plating
- For deep or inset bolts
- Top-grade industrial quality for the hard, continuous use

2
Double ended ring spanners



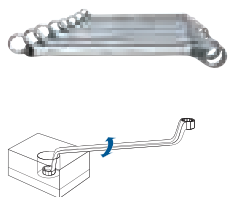
- > With different key widths
- > Rings deeply cranked and angled at 5°
- > For extremely deep or inset bolts

*WHILE STOCKS LAST

Code	No.	Ø mm	L	Weight g
601535	2 6X7	6x7	170	50
601551	2 8X9	8x9	182	65
601594	2 10X11	10x11	195	95
601659	2 12X13	12x13	212	120
601691	2 14X15	14x15	225	155
601721	2 16X17	16x17	245	210
601748	2 17X19	17x19	265	260
601756	2 18X19	18x19	265	260
601780	2 20X22	20x22	287	325
601799	2 19X24	19x24	305	410
601802	2 21X23	21x23	305	410
601837	2 24X26	24x26	325	475
601853	2 24X30	24x30	345	580
601861	2 25X28	25x28	345	580
601918	2 27X32	27x32	370	680
601926	2 30X32	30x32	370	680
601934	2 30X36	30x36	400	1000
601942	2 32X36	32x36	400	1100

Code	No.	Ø mm	L	Weight g
003518	2 36X41	36x41	440	1150
003518	2 38X42	38x42	440	1200
003520	2 41X46	41x46	485	2250
003521	2 46X50	46x50	535	2150
003558	2 13/16x7.8*	13/16x7.8	285	360
003561	2 1.1/16x1.1/4*	1.1/16x1.1/4	370	700
003567	2 1.7/16x1.5/8*	1.7/16x1.5/8	440	1300
003568	2 1.13/16x2*	1.13/16x2	540	2200

2
Double ended ring spanner sets



- > Practical composition
- > With different key widths
- > Rings deeply cranked and angled at 5°

*WHILE STOCKS LAST

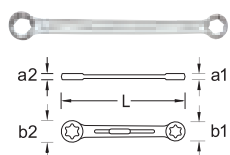
Code	No.	Contents	Pieces	Weight g
603058	2-8M	6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 mm	8	1.297
603112	2-11M*	6x7 8x9 10x11 12x13 14x15 16x17 17x19 18x19 20x22 21x23 24x30 mm	11	2.555
603090	2-12M	6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x26 25x28 27x32 mm	12	4.06

TX4
Flat ring spanner
TORX®



> With different key widths

*WHILE STOCKS LAST



Code	No.	★ mm	L	kg
6059800	TX 4 E6XE8*	5,74 x 7,52 mm	110	0.014
6059990	TX 4 E10XE12*	9,42 x 11,17 mm	140	0.039
6060140	TX 4 E14XE18*	12,90 x 16,70 mm	180	0.074
6060220	TX 4 E20XE24*	18,45 x 22,16 mm	226	0.163

i SPECIAL

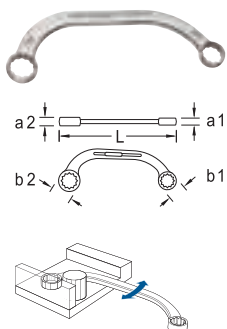


- Thin walled rings
- GEDORE vanadium steel 31CrV3, chrome plated
- Specialists in tight spaces

304
Half moon ring
spanners



> Thin walled rings
> For working in extremely difficult to access areas

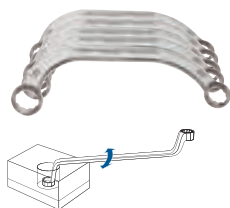


Code	No.	mm	L	kg
006001	304 11X13	11x13	152	0.075
006006	304 13X15	13x15	185	0.135
6470120	304 13X17	13X17	185	0.135
006002	304 14X16	14X16	185	0.120
6470390	304 14X17	14X17	185	0.135
006003	304 15X17	15X17	186	0.120
006007	304 16X18	16X18	185	0.170
006005	304 19X21	19X21	233	0.230
006004	304 19X22	19X22	233	0.230
006051	304 7/16X1/2	7/16X1/2	150	0.075
006052	304 9/16X5/8	9/16X5/8	185	0.135
006053	304 3/4X7/8	3/4X7/8	230	0.275

304
Half moon ring
spanner sets

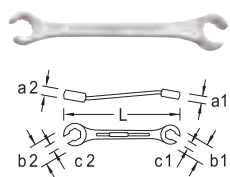


> Thin walled rings
> For working in extremely difficult to access areas



Code	No.	Contents	Pieces	kg
634018	304 6M	11x13 14x16 15x17 16x18 19x21 19x22 mm	6	1.200

400
Flare nut spanners



- > With different key widths
- > Application on hydraulic/brake lines
- > Sizes 8x10 to 12x14 mm with hexagon
- > Heads 15° angled
- > hexagonal opening 30° offset, UD profile opening 15° offset

Code	No.	mm	L	kg
005001	400 8X10	8x10	140	0.045
6056970	400 9X11	9x11	145	0.050
005002	400 10X11	10x11	150	0.055
6051070	400 10X12	10x12	150	0.110
005003	400 11X13	11x13	160	0.075
005004	400 12X14	12x14	170	0.100
005005	400 14X17	14x17	195	0.135
005006	400 17X19	17x19	210	0.160
005007	400 22X24	22x24	250	0.320
005051	400 5/16x3/8	5/16x3/8	140	0.045
005053	400 7/16x1/2	7/16x1/2	160	0.075
005055	400 9/16x5/8	9/16x5/8	195	0.135
005056	400 5/8x3/4	5/8x3/4	210	0.160

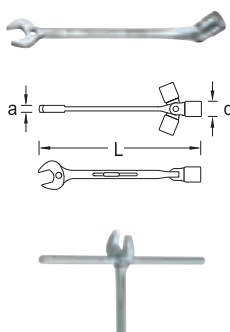
400
Flare nut spanners



- > Heads 15° angled
- > hexagonal opening 30° offset, UD profile opening 15° offset

Code	No.	Contents	Pieces	kg
634026	400 5M	8X10 11X13 12X14 17X19 22X24 mm	5	1.200

534
Combination swivel head spanner



- > Slim pattern, with free moving socket wrench
- > With hole for tommy bars 26 D and 26 RS (please order separately)

Code	No.	mm	L	26 D	26 RS	kg
651206	534 10	10	179		1	0.055
651214	534 11	11	189		1	0.065
651222	534 12	12	198		1	0.075
651230	534 13	13	208		1	0.095
651249	534 14	14	218	6	1	0.110
651257	534 15	15	231	6	1	0.120
651265	534 16	16	244	6	1	0.140
651273	534 17	17	255	8	2	0.170
651303	534 18	18	269	8	2	0.220
651281	534 19	19	283	8	2	0.240

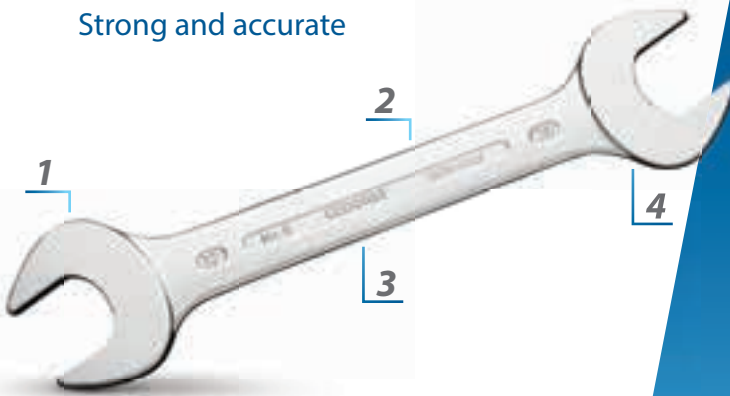
534
Combination swivel head spanner sets



- > Slim pattern, with free moving socket wrench
- > With hole for tommy bars 26 D and 26 RS (please order separately)

Code	No.	Contents	Pieces	kg
651389	534-6M	10 12 13 14 17 19	6	1.000
6151397	534-9M	10 11 12 13 14 15 16 17 19	9	1.410

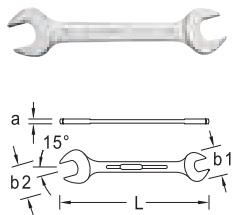
i NO. 6
Strong and accurate



- 1** JAW: GROUND PRECISELY TO EXACT NOMINAL SIZE FOR OPTIMUM CONTACT AREAS
- 2** NON-GLARE, MATT CHROME-PLATING
- 3** SECURE GRIP THANKS TO SLIM PROFILE SHAFT
- 4** SLIM PATTERN

- Acc. to DIN 3110, ISO 3318, ISO 1085, ISO 10102
- Top-grade industrial quality for the hardest of continuous use
- Overloading indicated by deformation
- GEDORE vanadium steel 31CrV3, heads finely polished, chrome-plated

6
Double open ended spanners metric



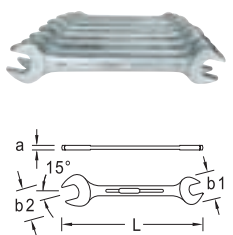
- > With different key widths
- > For hard to reach places thanks to very flat head

Code	No.	Ø mm	L	Weight g
606383	6 6X7	6x7	122	0.020
606421	6 8X9	8x9	140	0.025
606448	6 8X10	8x10	140	0.030
606472	6 10X11	10x11	157	0.040
606537	6 12X13	12x13	172	0.060
606588	6 14X15	14x15	188	0.070
606626	6 16X17	16x17	205	0.110
606642	6 17X19	17x19	222	0.155
606650	6 18X19	18x19	222	0.155
606677	6 19X22	19x22	236	0.210
606685	6 20X22	20x22	236	0.210

Code	No.	Ø mm	L	Weight g
606707	6 21X23	21x23	247	0.240
606731	6 24X26	24x26	266	0.300
606758	6 24X27	24x27	266	0.300
606774	6 25X28	25x28	280	0.355
004518	6 27X32	27x32	302	0.460
606812	6 30X32	30x32	302	0.460
004520	6 32X36	32x36	328	0.650
004521	6 36X41	36x41	360	0.850
004522	6 38X42	38x42	360	0.800
004523	6 41X46*	41x46	400	1.100
004524	6 46X50*	46x50	450	1.600

*WHILE STOCKS LAST

6
Double open ended spanner sets metric



- > Practical sets
- > With different key widths
- > For hard to reach places thanks to very flat head

*WHILE STOCKS LAST

Code	No.	Contents	Pieces	Weight g
607703	6-4M*	10x11 12x13 14x15 16x17 mm	4	0.280
607711	6-6M*	8x9 10x11 12x13 14x15 16x17 19x22 mm	6	0.510
607738	6-8M	6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 mm	8	0.690
607754	6-10M	6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27 mm	10	1.230
607878	6-11M*	6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27 30x32 mm	11	1.690
607770	6-12M	6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x26 25x28 27x32 mm	12	2.040

i **62P**
Heavy duty



- A smaller angle 15° wrench aligns the wrench with the nut in a manner that offers speed, precision, ergonomic comfort and provides greater leverage distance thus reducing hand & arm fatigue
- Non-Protruding on the movable jaw end. This allows a greater ease of use in tight spaces
- Chrome vanadium, exceeding international standards as ISO 6787-1982
- Thicker Handle provides a comfortable fit making it easy to apply force
- With ruler scale
- Uniform mechanical grinding of face gives wrenches a very flat and strong industrial appearance
- Blister packed

62P
Adjustable wrench



- > Heavy duty
- > Exceeding international standards as ISO 6787-1982

Code	No.	mm	L	kg
6368000	62 P6 150mm	22	155	0.138
6368190	62 P8 200mm	28	205	0.257
6368270	62 P10 250mm	33	255	0.425
6368350	62 P12 300mm	38	306	0.590
6368430	62 P15 375mm	50	383	1.030
6368510	62 P18 450mm	60	460	1.675
6360880	62 P24 600mm	63	610	3.555

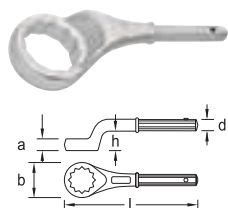
i **NO. 2 A**
The strong



- Heavy-duty pattern for highest torques
- GEDORE vanadium steel 31CrV3, chrome plated
- Special sizes available on request
- Optional accessories: No. 2 AR extension tube for extending the lever arm



2A
Single ended ring spanners



- > Heavy-duty pattern for highest torques
- > Special sizes available on request
- > Optional accessories: No. 2 AR extension tube for extending the lever arm

Code	No.	mm	L	kg	Code	No.	mm	L	kg
6033840	2 A 24	24	180	0.350	6034730	2 A 60	60	345	2.300
6033920	2 A 27	27	190	0.400	6034810	2 A 65	65	355	2.600
6034060	2 A 30	30	200	0.450	6035030	2 A 70	70	365	2.600
6034140	2 A 32	32	235	0.550	6035110	2 A 75	75	375	3.000
6030150	2 A 34	34	235	0.650	6035380	2 A 80	80	385	3.450
6034220	2 A 36	36	245	0.750	6035460	2 A 85	85	385	3.800
6034300	2 A 41	41	265	1.050	6035540	2 A 90	90	410	4.870
6034490	2 A 46	46	280	1.150	6035620	2 A 95	95	410	4.560
6034570	2 A 50	50	290	1.400	6035700	2 A 100	100	412	4.500
6034650	2 A 55	55	300	2.100					

2AR
Extension tubes



- > For single ended ring spanner no. 2 A
- > Ideal for extending the lever arm and applying higher forces

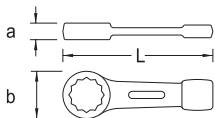
Code	No.	Internal-Ø	Ø mm	L	
6048600	2 AR 0	19 mm	24-30	460	0.614
6048790	2 AR 1	22 mm	32-41	610	1.568
6048870	2 AR 2	25 mm	46-55	760	2.840
6048950	2 AR 3	30 mm	60-95	860	3.715

i THE POWERFUL



- Top-grade industrial quality for the hardest of continuous use
- For very heavy-duty work
- Special sizes available on request up to size 250 mm

306 (MM) / 306 (AF)
Ring slogging spanners

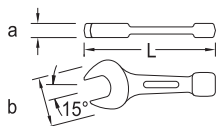


- > For heavy-duty work
- > Special sizes available on request

• SPECIAL ORDER
* WHILE STOCKS LAST

Code	No.	Ø mm	L		Code	No.	Ø mm	L	
010001	306 22	24	185	0.300	6477130	306 115	115 •	435	9.600
010002	306 27	27	185	0.400	6477210	306 120	120 •	480	9.800
010003	306 30	30	195	0.500	6477480	306 125	125 •	510	9.800
010004	306 32	32	195	0.500	6477560	306 130	130 •	510	13.600
010035	306 34	34	195	0.400	010051	306 15/16"	15/16" *	185	0.400
010005	306 36	36	200	0.700	010050	306 1"	1" *	185	0.400
6474460	306 38	38	205	0.660	010053	306 1.1/8"	1.1/8" *	185	0.400
010006	306 41	41	225	0.800	010054	306 1.1/4"	1.1/4" *	195	0.500
010007	306 46	46	240	1.100	010056	306 1.7/16"	1.7/16" *	200	0.700
010008	306 50	50	250	1.200	010057	306 1.1/2"	1.1/2" *	200	0.600
6475940	306 55	55	260	1.500	010058	306 1.5/8"	1.5/8" *	225	0.800
6476080	306 60	60	270	1.600	010059	306 1.11/16"	1.11/16" *	225	0.800
6476160	306 65	65	290	2.200	010060	306 1.3/4"	1.3/4" *	240	1.100
6476240	306 70	70	325	2.500	010062	306 1.7/8"	1.7/8" *	240	1.100
6476320	306 75	75	325	3.200	010063	306 2"	2" *	250	1.200
6476400	306 80	80	345	3.600	6479930	306 2.3/16"	2.3/16" *	260	1.600
6476590	306 85	85	345	3.900	6480000	306 2.1/4"	2.1/4" *	260	1.600
6476670	306 90	90	380	7.000	6480190	306 2.3/8"	2.3/8" *	270	1.600
6476750	306 95	95	380	7.000	6480350	306 2.9/16"	2.9/16"*	290	2.200
6476830	306 100	100 *	410	6.600	6480430	306 2.5/8"	2.5/8"	290	2.200
6476910	306 105	105 *	415	9.600	6480510	306 2.3/4"	2.3/4"	325	2.400
6477050	306 110	110 *	435	9.600	6480780	306 3"	3"	325	3.100

133
Open ended slogging
spanner

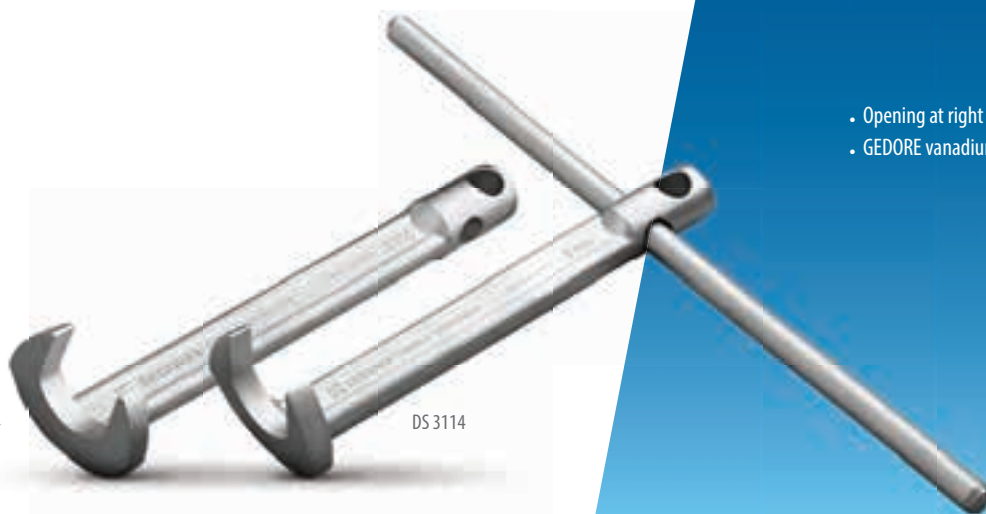


- > For heavy-duty work
- > Special sizes available on request

* WHILE STOCKS LAST

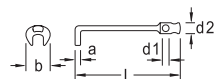
Code	No.	mm	L	kg	Code	No.	mm	L	kg
009000	133 25	25	180	0.400	6401150	133 70	70	370	4.600
009002	133 27	27	181	0.400	6401230	133 75	75	390	5.900
009003	133 30	30	188	0.500	6401310	133 80	80	406	7.000
009004	133 32	32	196	0.600	6401580	133 85	85	406	6.800
009005	133 34	34	196	0.600	6401660	133 90	90	456	10.000
6400420	133 36	36	211	0.800	6401740	133 95*	95	456	9.500
009006	133 41	41	227	1.000	6401820	133 100*	100	500	14.600
009007	133 46	46	256	1.300	6401900	133 105*	105	500	13.500
009008	133 50	50	281	1.700	6402040	133 110*	110	500	13.300
6400850	133 55	55	310	2.700	6402120	133 115*	115	525	16.800
6400930	133 60	60	321	2.700	6402200	133 120*	120	525	17.100
6401070	133 65	65	351	3.400					

i THE SPECIAL



- Opening at right angle to shaft for maximum accessibility
- GEDORE vanadium steel 31CrV3, chrome-plated

3114
Crowfoot spanners



- > Angled open-end wrench for working in hard-to-reach areas
- > Delivery without pivot pin

* WHILE STOCKS LAST

Code	No.	mm	L	26 D	kg
6670050	3114 13*	13	160	8	0.095
6670130	3114 14*	14	160	8	0.093
6676920	3114 16*	16	200	10	0.160
6670210	3114 17*	17	200	10	0.169
6677060	3114 18*	18	200	12	0.216
6670480	3114 19*	19	200	12	0.224
6677140	3114 21*	21	200	12	0.272
6670560	3114 22*	22	200	12	0.265
6670640	3114 24*	24	250	14	0.419
6670720	3114 27*	27	250	14	0.519
6670800	3114 30*	30	250	16	0.633
6670990	3114 32*	32	250	16	0.712
6671020	3114 36*	36	315	18	1.034
6671290	3114 46*	46	315		1.500
6671370	3114 50*	50	315		1.600

SPANNERS

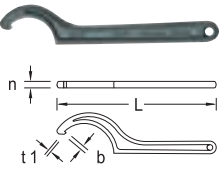
29 I Construction ratchets



- › Reversible ratchet with two different size heads
- › Bi-hexagon and rat-tail handle

Code	No.	Ø mm	L	Weight g
1648934	29 I 17x19	17x19	315	0.500
1382853	29 I 19x22	19x22	315	0.700
1648926	29 I 19x24	19x24	365	0.700
031320	29 I 22x24	22x24	365	0.800
031322	29 I 24x27	24x27	370	0.800
6262790	29 I 24x30	24x30	450	1400
031325	29 I 27x30	27x30	450	1400
031170	29 I 27x32	27x32	450	1400
031328	29 I 30x36	30x36	450	1400
031330	29 I 32x36	32x36	450	1600

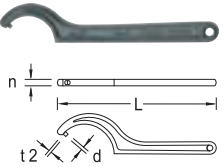
40 Hook spanners



- › Design according to DIN 1810 form A
- › For slotted round nuts according to DIN 981

Code	No.	mm	L	Weight g
6333990	40 16-20	16-20	110	0.020
6334020	40 25-28	25-28	135	0.040
6334100	40 30-32	30-32	135	0.045
6334290	40 34-36	34-36	170	0.075
6334370	40 40-42	40-42	170	0.080
6334450	40 45-50	45-50	205	0.115
6334530	40 52-55	52-55	205	0.120
6334610	40 58-62	58-62	240	0.200
6334880	40 68-75	68-75	240	0.210
6334960	40 80-90	80-90	280	0.290
6335180	40 95-100	95-100	280	0.300
6335260	40 110-115	110-115	335	0.480

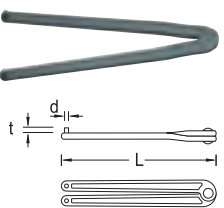
40Z Pin spanners



- › Design according to DIN 1810 form B
- › For cross-drilled nuts according to DIN 1816

Code	No.	mm	L	Weight g
6335850	40 Z 16-18	16-18	110	0.020
6335930	40 Z 20-22	20-22	110	0.025
6336580	40 Z 25-28	25-28	135	0.040
6336660	40 Z 30-32	30-32	135	0.045
6336740	40 Z 34-36	34-36	170	0.075
6336820	40 Z 40-42	40-42	170	0.080
6336900	40 Z 45-50	45-50	205	0.115
6337040	40 Z 52-55	52-55	205	0.120
6337120	40 Z 58-62	58-62	240	0.200
6337200	40 Z 68-75	68-75	240	0.210
6337390	40 Z 80-90	80-90	280	0.290
6337470	40 Z 95-100	95-100	280	0.300

44 Caliper face spanners



- › For loosening and clamping of cutting and grinding wheels
- › Similar to DIN 3116
- › Special sizes available on request

Code	No.	Ø mm	L	L"	Weight g
6354480	44 3	3	178	7"	0.135
6354560	44 4	4	178	7"	0.140
6354640	44 5	5	230	9"	0.275
6354720	44 6	6	230	9"	0.275
6354990	44 8	8	230	9"	0.285



WWW.GEDORE.CO.ZA

SOCKETS & ACCESSORIES

Powerful, safe, durable: ratchets and sockets from GEDORE are made to meet the highest demands for long-term use. Whether in heavy industry or precision mechanics, GEDORE tools are at home wherever precision, safety and reliability are required.

In industry and DIY, the hand-operated loosening and tightening of various screw connections is part of everyday life. With its comprehensive range of tools, GEDORE offers a wide range of ratchets and sockets for a huge variety of uses and applications. Over 100 years of manufacturing expertise are reflected in GEDORE's intelligently constructed and designed ratchets. Thanks to the careful selection of materials, advanced manufacturing processes and stringent quality management, all ratchets are extremely robust, durable and precise. Ergonomic designs and hand-flattering surfaces ensure that provide relief for the user, even during hard even in tough continuous use.

The broad portfolio of sockets includes solutions for every requirement - from classic sockets to intelligent solutions for power screwdriver sockets to specially developed intelligent profiles. A wide variety of combinations with extensions and articulated pieces enable the optimised use of tools without loss of torque, e.g. for very deep-seated screws or threaded connections.



IT'S THE MECHANICS

- The pawl only engages 100% with the ratchet wheel when it is fully loaded.
- Ratchets work with perfect concentricity
- No unnecessary load on the components
- Mechanism does not jam - even under high loads
- A big plus in terms of efficiency and safety at work





**DURABLE
VERSATILE**

HUGE RANGE IN FORM AND FUNCTION

- GEDORE actuating tools and accessories for professional use in every industry.
- For tough continuous use and safety in everyday working life
- Available individually or in practical sets

GEDORE SOCKETS

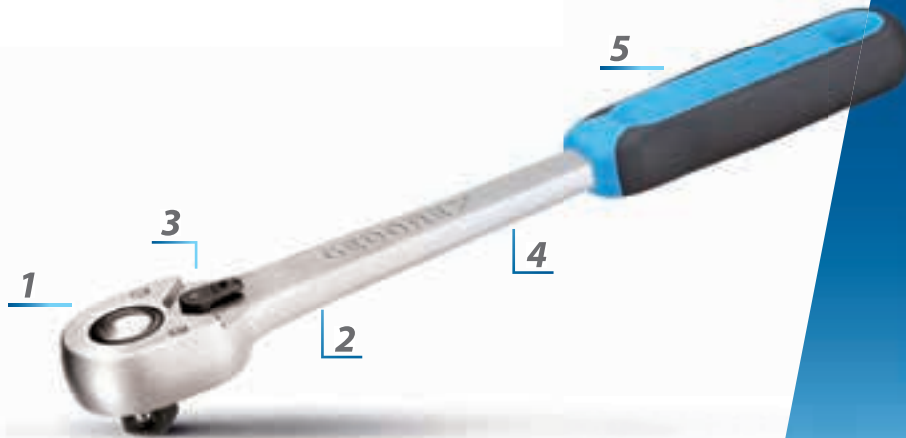
- Optimum power transmission and low wear
- Pronounced ball catching groove provides a secure grip on the square drive end
- Deep knurling ensures good grip even with oily hands or when working with protective gloves

GEDORE PREMIUM RATCHETS

- 2-component handle
- Slim and ergonomic design
- Robust and fine-tuned, durable and resilient
- High-grade industrial quality for the toughest continuous use
- Intelligently constructed and designed ratchets meet all demands

i U-10 RATCHETS

Design-oriented premium ratchets



1 The release head simplifies attachment and removal of sockets. A ball locking device ensures a tight connection when the ratchet is in use.

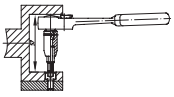
2 Slim, ergonomic design

3 Easy change lever for clockwise and anti-clockwise movement.

4 The shaft is made from high-grade chrome-vanadium steel, making it ideal for heavy and constant use.

5 2-component handle, comprising a hard plastic core with rubber sheathing for heavy industrial use. Hanging hole for easy-to-find storage.

2093 U-10
Reversible ratchet 1/4"



6.3 1/4"

- > Acc. to DIN 3122, ISO 3315
- > With recessed lever change, locks in middle position
- > Return angle 15°

> For hand-operated sockets and accessories with square drive as per DIN 3120 - C 6.3, ISO 1174, ball locking device

Code	No.	"		°	mm	mm	kg
6180470	2093 U-10	1/4"	6,3	15	129	21,5	0.109

2093 U-3
Reversible ratchet 1/4"



6.3 1/4"

- > Acc. to DIN 3122, ISO 3315
- > With non-slip metal disc change, fine-toothed (72 teeth) and robust
- > Return angle 5°

> For hand-operated sockets and accessories with square drive as per DIN 3120 - C 6.3, ISO 1174, ball locking device

Code	No.	"		°	mm	mm	kg
6170590	2093 U-3	1/4"	6,3	5	129	25	0.095

2093 Z-94
Ratchet handle with coupler 1/4"



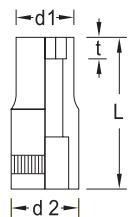
6.3 1/4"

- > Acc. to DIN 3122, ISO 3315
- > With square coupler, medium-fine toothed, extremely rugged
- > Return angle 18°

> For hand-operated sockets and accessories with square drive as per DIN 3120 - C 6.3, ISO 1174, ball locking device

Code	No.	"		°	mm	mm	kg
6170750	2093 Z-94	1/4"	6,3	18	129	12	0.076

20 (MM)
Socket 1/4"
hexagon

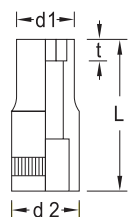


6.3 1/4"

- > Acc. to DIN 3124, ISO 2725-1
- > Square drive as per DIN 3120 - C 6.3, ISO 1174, with ball retention groove
- > Hand-operated

Code	No.	mm	L	d1	d2	t	kg
6165400	20 4mm	4	25	6,9	12,0	2,0	0.012
6165590	20 4,5mm	4,5	25	7,5	12,0	2,3	0.013
6165670	20 5mm	5	25	8,2	12,0	2,5	0.010
6165830	20 6mm	6	25	9,4	12,0	3,5	0.010
6165910	20 7mm	7	25	11,0	12,0	4,0	0.011
6166050	20 8mm	8	25	12,0	12,0	5,0	0.014
6166130	20 9mm	9	25	13,0	13,0	5,0	0.016
6166210	20 10mm	10	25	14,7	14,7	6,0	0.018
6166480	20 11mm	11	25	16,0	16,0	7,0	0.025
6166560	20 12mm	12	25	17,0	17,0	8,0	0.029
6166640	20 13mm	13	25	18,5	18,5	8,0	0.030
6166720	20 14mm	14	25	19,7	19,7	10,0	0.180

20 (AF)
Socket 1/4"
hexagon



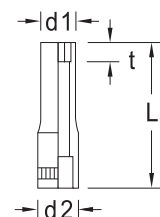
6.3 1/4"

- > Square drive as per DIN 3120 - C 6.3, ISO 1174, with ball retention groove
- > Hand-operated

* WHILE STOCKS LAST

Code	No.	"AF	L	d1	d2	t	kg
6167020	20 3/16AF*	3/16"	25	7,8	12,0	2,5	0.009
6167100	20 7/32AF*	7/32"	25	8,8	12,0	3,0	0.009
6167290	20 1/4AF*	1/4"	25	9,8	12,0	3,5	0.025
6167370	20 9/32AF*	9/32"	25	11,0	12,0	4,0	0.010
6167450	20 5/16AF*	5/16"	25	12,0	12,0	5,0	0.013
6167530	20 11/32AF*	11/32"	25	13,0	13,0	5,0	0.015
6167610	20 3/8AF*	3/8"	25	14,0	6,0	6,0	0.018
6167880	20 7/16AF*	7/16"	25	16,0	16,0	7,0	0.023
6167960	20 1/2AF*	1/2"	25	18,0	18,0	8,0	0.029
6161840	20 9/16AF*	9/16"	25	20,0	20,0	10,0	0.036

20L (MM)
Socket 1/4"
hexagon



6.3 1/4"

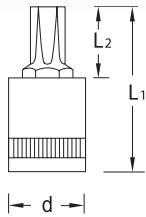
- > Acc. to DIN 3124, ISO 2725-1
- > Square drive as per DIN 3120 - C 6.3, ISO 1174, with ball retention groove
- > Hand-operated

* WHILE STOCKS LAST

Code	No. mm	mm	L	d1	d2	t	kg
6191400	20 L 4mm*	4	50	6,7	12,0	3,0	0.028
6191590	20 L 4,5mm*	4,5	50	7,2	12,0	3,4	0.026
6191670	20 L 5mm*	5	50	7,8	12,0	3,7	0.030
6191830	20 L 6mm*	6	50	9,1	12,0	5,2	0.029
6191910	20 L 7mm*	7	50	10,5	12,0	6,0	0.025
6192050	20 L 8mm*	8	50	11,3	12,0	7,5	0.024
6192130	20 L 9mm*	9	50	12,0	13,2	7,5	0.032
6192210	20 L 10mm*	10	50	12,7	14,7	9,0	0.039
6192480	20 L 11mm*	11	50	14,0	16,0	10,5	0.050
6192560	20 L 12mm*	12	50	15,0	17,0	12,0	0.055
6192640	20 L 13mm*	13	50	16,0	18,0	12,0	0.055

ITX20

Screwdriver bit
socket 1/4"
for recessed TORX®
head screws



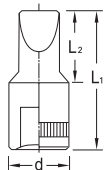
6.3 1/4"

- > Square drive as per DIN 3120 - C 6.3, ISO 1174, with ball retention groove
- > Hand-operated

Code	No.	⌀	mm	L1	L2	d		
6190430	ITX 20 T8	T8	M2,5	2,31	37	15,0	12	0.015
6190510	ITX 20 T9	T9	M3	2,50	37	15,0	12	0.015
6190780	ITX 20 T10	T10	M3 - M3,5	2,74	37	15,0	12	0.015
6190860	ITX 20 T15	T15	M3,5 - M4	3,27	37	15,0	12	0.016
6190940	ITX 20 T20	T20	M4 - M5	3,86	37	15,0	12	0.016
6191080	ITX 20 T25	T25	M4,5 - M5	4,43	37	15,0	12	0.016
6191160	ITX 20 T27	T27	M4,5 - M6	4,99	37	15,0	12	0.016
6191240	ITX 20 T30	T30	M6 - M7	5,52	37	15,0	12	0.016
6265890	ITX 20 T40	T40	M7 - M8	6,65	37	15,0	12	0.017

IS 20

Screwdriver bit
socket 1/4" for
slotted head screws



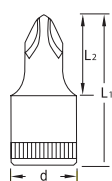
6.3 1/4"

- > Square drive as per DIN 3120 - C 6.3, ISO 1174, with ball retention groove
- > Hand-operated
- > Blade tip acc. to DIN ISO 2380-1 Form B

Code	No. mm	⌀ mm	mm±	L1	L2	d	
6171560	IS 20 4	4	0,8	28	16,0	12	0.011
6171640	IS 20 5,5	5,5	1,0	28	16,0	12	0.012
6174230	IS 20 6,5	6,5	1,2	28	16,0	12	0.012
6174310	IS 20 8	8	1,6	28	16,0	12	0.012

IKS 20

Screwdriver bit
socket 1/4" for
cross-head screws PH



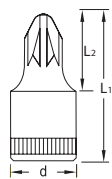
6.3 1/4"

- > Square drive as per DIN 3120 - C 6.3, ISO 1174, with ball retention groove
- > Hand-operated
- > Tip as per DIN ISO 8764-1 PH

Code	No.	⊕ PH	L1	L2	d	
6174579	IKS 20 0	0	28	16,0		0.011
6174580	IKS 20 1	1	28	16,0	12	0.011
6174660	IKS 20 2	2	28	16,0	12	0.012
6174740	IKS 20 3	3	28	16,0	12	0.012

IKS 20 PZD

Screwdriver bit
socket 1/4" for
cross-head screws
Pozi PZ



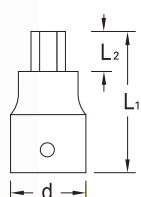
6.3 1/4"

- > Square drive as per DIN 3120 - C 6.3, ISO 1174, with ball retention groove
- > Hand-operated
- > Tip as per DIN ISO 8764-1 PZ

Code	No.	⊕ PZ	L1	L2	d	
6187130	IKS 20 PZD 1	1	28	16,0	12	0.012
6187210	IKS 20 PZD 2	2	28	16,0	12	0.013
6187480	IKS 20 PZD 3	3	28	16,0	12	0.014

IN 20L

Screwdriver bit
socket 1/4" for in-hex
screws, long pattern



6.3 1/4"

- > Acc. to DIN 7422
- > Square drive as per DIN 3120 - C 6.3, ISO 1174, with ball retention groove
- > Hand-operated

Code	No.	⌀ mm	L1	L2	d	
1933256	IN 20 L 3-60	3	60	32,0	12	0.024
1933264	IN 20 L 4-60	4	60	32,0	12	0.025
1933272	IN 20 L 5-60	5	60	32,0	12	0.027
1933280	IN 20 L 6-60	6	60	32,0	12	0.029
1933298	IN 20 L 7-70	7	60	32,0	12	0.035
1933299	IN 20 L 8-60	8	60	32,0	12	0.050

20 E
Socket sets 1/4"



6,3 1/4"

- > For manually operated sockets and accessories with 1/4" square drive
- > Chrome Vanadium steel 31CrV3
- > In plastic case
- > Dimensions: 200x120x38mm

Code	No.	Ratchet	Sockets	Accessories	
6172100	No.20 EMZ	⊙ Z-94 2093 Z-94	○ 20 4 4,5 5 6 7 8 9 10 11 13	2087 2090-4 2095 2098	0.71
6172250	No.20 MDX	⊙ Z-94 2093 Z-94	○ 20 4 5 6 7 8 9 10 11 12 13 IKS20 PZD1 PZD2 PZD3 IKS20 PH1 PH2 PH3 IS20-4 IS20-5.5 IS20-6.5 IS20-7 ITX20 T8 T10 T15 T20 T25 T27 T30 T40 IN20L 3 4 5 6 7 8	2090-4 2095 2098 20 MDX Foam Insert MDX Plastic Case	1.197

20 NZ
Socket sets 1/4"



6,3 1/4"

- > For manually operated sockets and accessories with 1/4" square drive
- > Chrome Vanadium steel 31CrV3
- > In plastic case
- > Dimensions: 200x120x38mm

Code	No.	Ratchet	Sockets	Accessories	
6172460	No.20 NZA	⊙ Z-94 2093 Z-94	1/4" drive sockets 4 4,5 5 6 7 8 9 10 11 12 13 14 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2	2087 2090-2 / 4 Extensions 2095 2098 2088 Flexible Extension Foam Insert Plastic Case	1.050
6172465	No.20 NZI	⊙ Z-94 2093 Z-94	1/4" drive sockets 4 4,5 5 6 7 8 9 10 11 12 13 14mm 3/16 7/32 1/4 9/32 5/16 11/32 3/8 7/16 1/2 Torx T8 T10 T15 T20 T25 T27 T30 T40 Screwdriver bits IS20 4 5.5 6.5 7 Screwdriver sockets IKS20 PH0 PH1 PH2 PH3	2090-2 / 4 Extensions 2095 2098 2087 2088 Flexible Extension Foam Insert Plastic Case	1.150

2030
Converter 1/4" to 3/8"



1/4" 6,3 mm 3/8" 10 mm

- > Acc. to DIN 3123, ISO 3316
- > For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174, ball locking device

Code	No.	□ "	□ mm	■ "	■ mm	↳ mm ▷	
6170080	2030	1/4"	6,3	3/8"	10	26	0.02

2087
Sliding t-bar 1/4"



- > Acc. to DIN 3122, ISO 3315
- > For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174, ball locking device

Code	No.	■ "	■ mm	↳ mm ▷	
6170160	2087	1/4"	6,3	115	0.039

2088
Flexible extension 1/4"



- > For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174, ball locking device

Code	No.	■ "	■ mm	↳ mm ▷	
6170240	2088	1/4"	6,3	120	0.046

SOCKETS & ACCESSORIES

2090
Extensions 1/4"



- > Acc. to DIN 3123, ISO 3316
- > For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174, ball locking device

Code	No.	"	mm	mm	kg
6170320	2090-2	1/4"	6,3	55	0.025
6170400	2090-4	1/4"	6,3	97	0.041
6171210	2090-6	1/4"	6,3	148	0.061
6171211	2090-10	1/4"	6,3	220	0.090
6173340	2090-12	1/4"	6,3	305	0.124

2094
Coupler 1/4"



- > Acc. to DIN 3122, ISO 3315
- > For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174, ball locking device

Code	No.	"	mm	mm	kg
6170830	2094	1/4"	6,3	19,8	0.006

2095
Universal joint 1/4"



- > Acc. to DIN 3123, ISO 3316
- > For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174, ball locking device

Code	No.	"	mm	"	mm	mm	kg
6170910	2095	1/4"	6,3	1/4"	6,3	38	0.026

2097
Swivel handle 1/4"



- > For manually operated sockets and accessories with 1/4" square drive.
- > Chrome Vanadium steel 31CrV3.
- > In accordance with SANS 1113 and DIN 3122.

Code	No.	"	mm	mm	kg
6171050	2097	1/4"	6,3	146	0.094

2098
Driving handle 1/4"



- > Acc. to DIN 3122, ISO 3315
- > For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174, ball locking device

Code	No.	"	mm	mm	kg
6171480	2098	1/4"	6,3	140	0.07

3093 U-3
Reversible ratchet 3/8"



- > Acc. to DIN 3122, ISO 3315
- > With non-slip metal disc change, fine-toothed (72 teeth) and robust
- > Return angle 5°

- > For hand-operated sockets and accessories with square drive as per DIN 3120 - C 10, ISO 1174, ball locking device

Code	No.	"	mm	°	mm	mm	kg
6237090	3093 U-3	3/8"	10	5	200	33,5	0.244

3093 Z-94

Ratchet handle with coupler 3/8"



10 3/8"

- > Acc. to DIN 3122, ISO 3315
- > With square coupler, medium-fine toothed, extremely rugged
- > Return angle 10°

> For hand-operated sockets and accessories with square drive as per DIN 3120 - C 10, ISO 1174, ball locking device

Code	No.	"	"	°	mm	mm	kg
6237680	3093 Z-94	3/8"	10	10	200	18	0.223

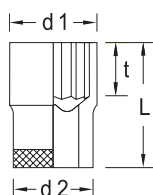
D30 (MM)

Sockets 3/8"

Bi-hexagon UD profile

10 3/8"

- > Acc. to DIN 3124, ISO 2725-1
- > Square drive as per DIN 3120 - C 10, ISO 1174, with ball retention groove
- > Hand-operated



Code	No.	mm	L	d1	d2	t	kg
6230160	D 30 6mm	6	28	17,5	9,7	5,0	0.020
6230240	D 30 7mm	7	28	17,5	11,0	5,0	0.024
6230320	D 30 8mm	8	28	17,5	12,1	9,0	0.026
6230400	D 30 9mm	9	28	17,5	13,5		0.027
6230590	D 30 10mm	10	28	17,5	14,7	9,0	0.028
6230670	D 30 11mm	11	28	17,5	16,0	9,0	0.030
6230750	D 30 12mm	12	28	18,3	17,2	9,0	0.032
6230830	D 30 13mm	13	28	17,5	18,5	9,0	0.031
6230910	D 30 14mm	14	29	18,4	19,7	11,0	0.037
6231050	D 30 15mm	15	30	19,7	21,0	12,5	0.040
6231130	D 30 16mm	16	30	21,0	22,2	12,5	0.049
6231210	D 30 17mm	17	30	22,3	23,5	12,5	0.054
6231480	D 30 18mm	18	30	23,0	24,7	12,5	0.062
6231560	D 30 19mm	19	30	23,7	26,0	12,5	0.064
6231640	D 30 20mm	20	31	24,5	27,2	12,5	0.074
6231720	D 30 21mm	21	31	25,8	28,5	13,5	0.083
6231800	D 30 22mm	22	32	26,3	29,7	14,5	0.087

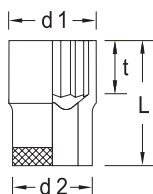
D30 (AF)

Sockets 3/8"

Bi-hexagon UD profile

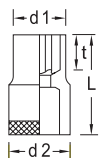
10 3/8"

- > Square drive as per DIN 3120 - C 10, ISO 1174, with ball retention groove
- > Hand-operated



Code	No.	mm	L	d1	d2	t	kg
2016613	D 30 1/4AF	1/4"	28	17,5	10,1	5,0	0.050
2101009	D 30 9/32AF	9/32"	28	17,5	11,1	5,0	0.020
1997122	D 30 5/16AF	5/16"	28	17,5	12,1	5,0	0.020
2101017	D 30 11/32AF	11/32"	28	17,5	13,1	9,0	0.026
1997130	D 30 3/8AF	3/8"	28	17,5	14,1	9,0	0.010
6232610	D 30 7/16AF	7/16"	28	17,5	16,1	9,0	0.027
6232880	D 30 1/2AF	1/2"	28	19,2	18,1	9,0	0.034
6232960	D 30 9/16AF	9/16"	29	18,7	20,1	11,0	0.036
6233180	D 30 19/32AF	19/32"	30	19,7	21,0	12,5	0.039
6233260	D 30 5/8AF	5/8"	30	20,7	22,1	12,5	0.044
6233340	D 30 11/16AF	11/16"	30	22,7	24,0	12,5	0.053
6233420	D 30 3/4AF	3/4"	30	23,7	26,0	12,5	0.061
1997157	D 30 25/32AF	25/32"	31	24,3	27,0	12,5	0.075
1997165	D 30 13/16AF	13/16"	31	25,3	28,0	12,5	0.080
6232020	D 30 7/8AF	7/8"	32	26,5	30,0	14,5	0.082

TX 30
Sockets 3/8"
for protruding TORX®
head screws

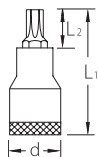


10 3/8"

- > Square drive as per DIN 3120 - C 10, ISO 1174, with ball retention groove
- > Hand-operated

Code	No.	mm	M	mm	L	d1	d2	t	kg
6250270	TX 30 E5	E5	M4	4,73	28	7,2	17,5	5,0	0.025
6250350	TX 30 E6	E6	M5	5,74	28	8,5	17,5	5,0	0.025
6250430	TX 30 E7	E7	M6	6,16	28	9,5	17,5	5,5	0.025
6250510	TX 30 E8	E8	M6 - M7	7,52	28	10,8	17,5	6,0	0.027

ITX 30
Screwdriver bit
sockets 3/8"

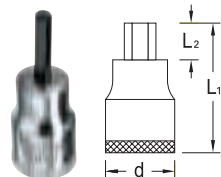


10 3/8"

- > Square drive as per DIN 3120 - C 10, ISO 1174, with ball retention groove
- > Hand-operated

Code	No.		M	mm	L1	L2	d	kg
6246320	ITX 30 T20	T20	M4 - M5	3,86	49	17,0	17,5	0.050
6246830	ITX 30 T25	T25	M4,5 - M5	4,43	49	17,0	17,5	0.051
6247210	ITX 30 T27	T27	M4,5 - M6	4,99	49	17,0	17,5	0.051
6247560	ITX 30 T30	T30	M6 - M7	5,52	49	17,0	17,5	0.051
6247720	ITX 30 T40	T40	M7 - M8	6,65	49	17,0	17,5	0.052

IN 30
Screwdriver bit
sockets 3/8"
for in-hex screws



10 3/8"

- > Acc. to DIN 7422
- > Square drive as per DIN 3120 - C 10, ISO 1174, with ball retention groove
- > Hand-operated

Code	No.	mm	L1	L2	d	kg
6241010	IN 30 4mm	4	47	19,0	17,5	0.038
6241280	IN 30 5mm	5	47	19,0	17,5	0.039
6241360	IN 30 6mm	6	47	19,0	17,5	0.041
6241440	IN 30 8mm	8	49	17,0	17,5	0.053
6242920	IN 30 10mm	10	49	17,0	19	0.073

D30 FMZ
Socket set 3/8"



10 3/8"

- > Manually operated 3/8" sockets and accessories
- > Supplied in blue powder coated, D19 K steel box
- > Dimensions: 281x77x37mm

Code	No.	Ratchet	Sockets	Accessories	kg
623202	D30 FMZ	Z-94 3093 Z-94	D 30 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	3090-125	1.490

D30 HMZ
Socket set 3/8"



10 **9/8"**

- > Manually operated 3/8" sockets and accessories.
- > Supplied in blue powder coated, D19 J steel box.
- > Dimensions: 290x186x52mm.

Code	No.	Ratchet	Sockets	Accessories	
623962	D30 HMZ	Z-94 3093 Z-94	D 30 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	3087 3090-250 3090-125 3095 3081	2.750

D30 NZZ
Socket set 3/8"



10 **3/8"**

- > Manually operated 3/8" sockets and accessories.
- > Supplied in blue powder coated, D19 Y steel box.
- > In high-density foam insert.

Code	No.	Ratchet	Sockets	Accessories	
623968	D30 NZZ	Z-94 3093 Z-94	D 30 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22mm 1/4 9/32 5/16 11/32 3/8 7/16 1/2 9/16 19/32 5/8 11/16 3/4 25/32 13/16 7/8	3087 3090-250 3090-125 Plastic Insert Metal Case	3.025

3096
Swivel handle 3/8"



- > Acc. to DIN 3122, ISO 3315
- > For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174, ball locking device

Code	No.	"	mm	mm	
6238220	3096	3/8"	10	254	0.201

3087
Sliding T bar 3/8"



- > Acc. to DIN 3122, ISO 3315
- > For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174, ball locking device

Code	No.	"	mm	mm	
6236520	3087	3/8"	10	163	0.164

3081
L handle 3/8"



- > Acc. to DIN 3122, ISO 3315
- > For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174, ball locking device

Code	No.	"	mm	mm	
6236360	3081	3/8"	10	180	0.153

3090
Extensions 3/8"



- > Acc. to DIN 3123, ISO 3316
- > For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174, ball locking device

Code	No.	"	mm	mm	
6236600	3090-3	3/8"	10	75	0.093
6236790	3090-5	3/8"	10	125	0.117
6236870	3090-10	3/8"	10	250	0.222

SOCKETS & ACCESSORIES

3095
Universal joint 3/8"



- > Acc. to DIN 3123, ISO 3316
- > For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174, ball locking device

Code	No.	□"	□mm	■"	■mm	↳mm↳	
6238140	3095	3/8"	10,0	3/8"	10	50	0.053

3094
Coupler 3/8"



- > Acc. to DIN 3122, ISO 3315
- > For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174, ball locking device

Code	No.	■"	■mm	↳mm↳	
6237760	3094	3/8"	10	29	0.02

3019
Converter 3/8" to 1/2"



- > Acc. to DIN 3123, ISO 3316
- > For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174, ball locking device

Code	No.	□"	□mm	■"	■mm	↳mm↳	
6236010	3019	3/8"	10,0	1/2"	12,5	35	0.053

3020
Reducer 3/8" to 1/4"



- > Acc. to DIN 3123, ISO 3316
- > For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174, ball locking device

Code	No.	□"	□mm	■"	■mm	↳mm↳	
6236280	3020	3/8"	10,0	1/4"	6,3	28	0.026

30
Spares 3/8"

- > For the 3096 power bar and 3093 U-3 ratchet.
- > For F and H socket sets. Blue powder coated steel case.
- > Black matt-finish insert.

Code	No.	
545767	3096 Repair Kit	0.020
545759	3093 U-3 Repair Kit	0.080
514632	D 19 K Box	0.582
514640	D 19 J Box	1.188
515175	D 30 F Insert	0.075
515280	D 30 H Insert	0.165

1993 U-10 T
Reversible ratchet 1/2"



1/2" **12,5**

- > Acc. to DIN 3122, ISO 3315
- > with push-button release
- > Return angle 7.5°

> For hand-operated sockets and accessories with square drive as per DIN 3120 - C 12.5, ISO 1174, ball locking device

Code	No.	"	"	°	mm	mm	kg
6142620	1993 U-10 T	1/2"	12,5	7,5	270	39	0.598

1993 U-3
Reversible ratchet 1/2"



1/2" **12,5**

- > Acc. to DIN 3122, ISO 3315
- > With non-slip metal disc change, fine-toothed (72 teeth) and robust
- > Return angle 5°

> For hand-operated sockets and accessories with square drive as per DIN 3120 - C 12.5, ISO 1174, ball locking device

WHILE STOCKS LAST

Code	No.	"	"	°	mm	mm	kg
6144240	1993 U-3	1/2"	12,5	5	270	40,5	0.476

1993 Z-94
Ratchet handle with coupler 1/2"



1/2" **12,5**

- > Acc. to DIN 3122, ISO 3315
- > With square coupler, medium-fine toothed, extremely rugged
- > Return angle 7.5°

> For hand-operated sockets and accessories with square drive as per DIN 3120 - C 12.5, ISO 1174, ball locking device

Code	No.	"	"	°	mm	mm	kg
614459	1993 Z-94	1/2"	12,5	7,5	270	21,9	0.476

C19 (MM) / (AF)

Sockets 1/2"
C profile



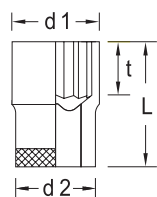
12,5 1/2"

- > Manually operated sockets with thin walls and knurled base.
- > CHROME VANADIUM steel – 31CrV3.
- > Chrome plated and polished.
- > In accordance with SANS 1113 and DIN 3124.

Code	No.		L	
612006	C19 8-5/16mm	8-5/16	38	0.056
612014	C19 9-11/32mm	9-11/32	38	0.054
612022	C19 10-3/8mm	10-3/8	38	0.055
612030	C19 11mm	11	38	0.057
612057	C19 12mm	12	38	0.058
612065	C19 13-1/2mm	13-1/2	38	0.057
612073	C19 14mm	14	38	0.059
612081	C19 15-19/32mm	15-19/32	40	0.065
612103	C19 16-5/8mm	16-5/8	40	0.065
612111	C19 17mm	17	40	0.073
612138	C19 18-11/16mm	18-11/16	40	0.062
612146	C19 19-3/4mm	19-3/4	40	0.078
612154	C19 20-25/32mm	20-25/32	40	0.084
612162	C19 21-13/16mm	21-13/16	41,5	0.096
612170	C19 22mm	22	41,5	0.099
612189	C19 23mm	23	41,5	0.121
612197	C19 24-15/16mm	24-15/16	41,5	0,124
612200	C19 25mm	25	41,5	0.135
612219	C19 26-1. mm	26-1	41,5	0.135
612227	C19 27-1.1/16mm	27-1.1/16	41,5	0.145
612235	C19 28mm	28	43,0	0.148
612243	C19 29-1.1/8mm	29-1.1/8	43,0	0.159
612251	C19 30-1.3/16mm	30-1.3/16	43,0	0.175
612278	C19 32-1.1/4 mm	32-1.1/4	43,0	0.189

D19 (MM)

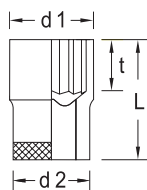
Sockets 1/2"
bi-hexagon UD profile



12,5 1/2"

- > Acc. to DIN 3124, ISO 2725-1
- > Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retention groove
- > Hand-operated

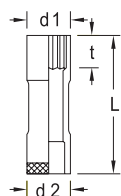
Code	No. mm		L	d1	d2	t	
613304	D 19 8mm	8	38	22,5	13,0	7,0	0.051
613312	D 19 9mm	9	38	22,5	14,2	8,0	0.052
613320	D 19 10mm	10	38	22,5	15,5	13,5	0.056
613339	D 19 11mm	11	38	22,5	16,7	12,5	0.057
613347	D 19 12mm	12	38	22,5	18,0	12,5	0.057
613355	D 19 13mm	13	38	22,5	19,2	12,5	0.059
613363	D 19 14mm	14	38	22,5	20,5	12,5	0.061
613371	D 19 15mm	15	39,5	23,8	21,7	15,0	0.072
613398	D 19 16mm	16	39,5	23,8	22,5	15,0	0.072
613401	D 19 17mm	17	39,5	22,5	24,0	15,0	0.070
613428	D 19 18mm	18	39,5	23,0	25,5	17,0	0,068
613436	D 19 19mm	19	40	24,2	26,7	17,0	0.081
613444	D 19 20mm	20	40	25,5	28,0	17,0	0.090
613452	D 19 21mm	21	41,5	26,0	29,2	18,5	0.101
613460	D 19 22mm	22	41,5	26,3	30,5	18,5	0.106
613479	D 19 23mm	23	41,5	27,5	31,7	18,5	0.118
613487	D 19 24mm	24	41,5	28,0	33,0	18,5	0.123
613495	D 19 25mm	25	41,5	28,8	34,2	18,5	0.131
613509	D 19 26mm	26	41,5	29,4	35,5	18,5	0.139
613517	D 19 27mm	27	41,5	30,0	36,7	18,5	0.143
613525	D 19 28mm	28	43	30,5	38,0	20,0	0.163
613533	D 19 29mm	29	43	31,2	39,2	20,0	0.168
613541	D 19 30mm	30	43	32,5	40,5	20,5	0.182
613576	D 19 32mm	32	44,5	34,5	43,0	22,5	0.204
613584	D 19 33mm	33	44,5	36,0	44,2	22,5	0.221
613568	D 19 36mm	36	44,5	38,0	48,0	22,5	0.287

D19 (AF)
 Sockets 1/2"
 bi-hexagon UD profile


12,5 1/2"

- > Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retention groove
- > Hand-operated

Code	No.	⌀	L	d1	d2	t	kg
613606	D 19 5/16AF	5/16"	38	22,5	13,0	7,0	0.052
613614	D 19 11/32AF	11/32"	38	22,5	13,9	8,0	0.054
613622	D 19 3/8AF	3/8"	38	22,5	14,9	15,0	0.055
613630	D 19 13/32AF	13/32"	38	22,5	15,9	13,5	0.055
613649	D 19 7/16AF	7/16"	38	22,5	16,7	12,5	0.056
613657	D 19 1/2AF	1/2"	38	22,5	18,7	12,5	0.058
613665	D 19 9/16AF	9/16"	38	22,5	20,7	12,5	0.061
613673	D 19 19/32AF	19/32"	39,5	23,8	21,7	15,0	0.070
613681	D 19 5/8AF	5/8"	39,5	23,8	22,5	15,0	0.073
613703	D 19 11/16AF	11/16"	39,5	22,5	24,7	17,0	0.066
613711	D 19 3/4AF	3/4"	40	24,2	26,7	17,0	0.084
613738	D 19 25/32AF	25/32"	40	25,3	27,7	17,0	0.090
613746	D 19 13/16AF	13/16"	41,5	25,7	28,5	41,5	0.097
613754	D 19 7/8AF	7/8"	41,5	26,5	30,6	18,5	0.105
613762	D 19 15/16AF	15/16"	41,5	28,3	32,6	18,5	0.126
613770	D 19 1AF	1"	41,5	28,9	34,6	18,5	0.138
613789	D 19 1.1/16AF	1.1/16"	41,5	30,0	36,7	41,5	0.147
613797	D 19 1.1/8AF	1.1/8"	43	31,0	38,6	20,0	0.159
613800	D 19 1.3/16AF	1.3/16"	43	32,5	40,6	20,5	0.183
613819	D 19 1.1/4AF	1.1/4"	44,5	34,5	42,6	22,5	0.207

D19L (MM)
 Sockets 1/2"
 bi-hexagon UD profile,
 long pattern


12,5 1/2"

- > Acc. to DIN 3124, ISO 2725-1
- > Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retention groove
- > Hand-operated
- > Sizes 16, 18, 21 mm with hole drilled for tommy bar \varnothing 8 mm

Code	No. mm	⌀	L	d1	d2	t	kg
015705	D 19 L 10mm	10	77	22,5	15,5	12,0	0.117
015706	D 19 L 12mm	12	77	22,5	18,0	14,0	0.127
015701	D 19 L 13mm	13	77	22,5	19,2	16,0	0.101
015702	D 19 L 14mm	14	77	22,5	20,5	16,5	0.109
015707	D 19 L 15mm	15	77	22,5	21,7	16,5	0.119
015712	D 19 L 16mm	16	77	24,0	23,0	16,5	0.128
015703	D 19 L 17mm	17	77	24,0	24,0	16,5	0.133
015708	D 19 L 18mm	18	82	25,0	25,5	20,0	0.147
015704	D 19 L 19mm	19	82	26,0	26,7	22,0	0.175
015709	D 19 L 21mm	21	82	28,5	29,2	24,0	0.211
015713	D 19 L 22mm	22	82	28,5	30,5	24,0	0.219
015710	D 19 L 24mm	24	82	29,0	33,0	26,0	0.257
015711	D 19 L 27mm	27	82	30,0	36,7	30,0	0.290
015714	D 19 L 30mm	30	82	32,5	40,5	33,0	0.351
015715	D 19 L 32mm	32	82	34,5	43,0	36,0	0.387

19L (MM) / (AF)
Sockets 1/2"
hexagon, long pattern



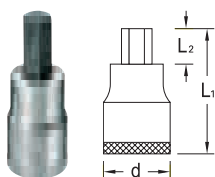
12,5 1/2"

- > Manually operated sockets with thin walls and knurled base.
- > Chrome Vanadium steel 31CrV3.
- > 1/2" square drive.
- > Chrome plated and polished.

*WHILE STOCKS LAST

Code	No.	mm	L	kg
614017	19 L 13mm	10	77	0.102
614025	19 L 14mm	12	77	0.109
614033	19 L 17mm	13	77	0.134
614041	19 L 19mm	14	82	0.171
614068	19 L 21mm	15	82	0.205
614076	19 L 24mm	16	82	0.250
614130	19L 1/2AF*	18	77	0.960
614149	19L 9/16AF*	19	77	0.110
614157	19L 5/8AF *	21	77	0.130
614165	19L 11/16AF *	22	77	0.143
614173	19 L 24*	24	82	0.173
614173	19L 3/4AF*	27	82	0.173
614203	19L 7/8AF*	30	82	0.213
614211	19L 15/16AF*	32	82	0.233
614181	19L 13/16AF*		82	0.210

IN19 (MM)
Allen key sockets 1/2"
for hexagon screws

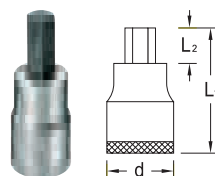


12,5 1/2"

- > Acc. to DIN 7422
- > Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retention groove
- > Hand-operated
- > chrome-plated

Code	No.	mm	L1	L2	d	kg
615315	IN 19 5mm	5	60	22,0	22,5	0.069
615323	IN 19 6mm	6	60	22,0	22,5	0.070
615331	IN 19 7mm	7	60	22,0	22,5	0.075
615358	IN 19 8mm	8	60	22,0	22,5	0.082
615366	IN 19 9mm	9	60	22,0	22,5	0.091
615374	IN 19 10mm	10	60	22,0	22,5	0.099
615382	IN 19 12mm	12	60	22,0	23	0.113
615390	IN 19 14mm	14	60	20,0	24,7	0.149
615404	IN 19 17mm	17	60	20,0	28	0.210
615412	IN 19 19mm	19	60	20,0	27	0.222

IN19 (AF)
Allen key sockets 1/2"
for hexagon screws

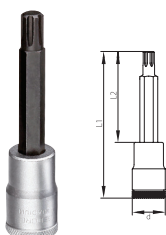


12,5 1/2"

- > Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retention groove
- > Hand-operated

Code	No.	L1	L2	d	kg
615471	IN 19 3/16AF	60	22,0	22,5	0.069
615498	IN 19 7/32AF	60	22,0	22,5	0.069
615501	IN 19 1/4AF	60	22,0	22,5	0.073
615528	IN 19 9/32AF	60	22,0	22,5	0.076
615536	IN 19 5/16AF	60	22,0	22,5	0.081
615544	IN 19 3/8AF	60	22,0	22,5	0.098
615552	IN 19 1/2AF	60	22,0	23	0.119
615560	IN 19 9/16AF	60	20,0	24,7	0.150
615579	IN 19 5/8AF	60	20,0	28	0.205

INR 19L
Screwdriver bit sockets 1/2"
for multi-spline screws
RIBE®, long pattern



12,5 1/2"

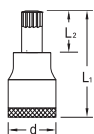
- > RIBE® = reg. trademark of Richard Bergner GmbH & Co. KG, Schwabach

*WHILE STOCKS LAST

Code	No.	mm	L1	L2	d	kg
1449826	INR 19 L 5-100*	M5	100	62,0	22,5	0.085
1449850	INR 19 L 6-100*	M6	100	62,0	22,5	0.085
1449877	INR 19 L 8-100*	M8	100	62,0	22,5	0.085
1449591	INR 19 L 10-100*	M10	100	60,0	22,5	0.105
1398636	INR 19 L 12-188*	M12	100	62,0	22,5	0.145
1449893	INR 19 L 14-188*	M14	100	60,0	24,7	0.155

INX 19

Screwdriver bit sockets 1/2" for multi point screws

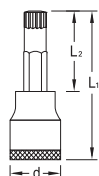

12,5 **1/2"**

- > Design according to DIN 2324
- > Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retention groove
- > Hand-operated
- > Tip as per DIN 2325

Code	No.	●	L1	L2	d	
615889	INX 19 5	M5	55	17,0	22,5	0.075
615900	INX 19 6	M6	55	17,0	22,5	0.076
615927	INX 19 8	M8	55	17,0	22,5	0.077
615943	INX 19 10	M10	55	17,0	22,5	0.094
615978	INX 19 12	M12	55	17,0	23	0.110

INX 19L

Screwdriver bit sockets 1/2" for multi point screws

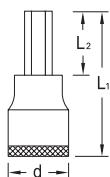

12,5 **1/2"**

- > Design according to DIN 2324
- > Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retention groove
- > Hand-operated
- > Tip as per DIN 2325

Code	No.	●	L1	L2	d	
615919	INX 19 L 6-100	M6	100	62,0	22,5	0.093
615935	INX 19 L 8-100	M8	100	62,0	22,5	0.097
615951	INX 19 L 10-100	M10	100	62,0	22,5	0.124
615986	INX 19 L 12-100	M12	100	62,0	23	0.149
1888951	INX 19 L 14-100	M14	100	60,0	24,7	0.190

IN 19L

Allen key sockets 1/2" for hexagon screws, long pattern

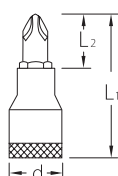

12,5 **1/2"**

- > Acc. to DIN 7422
- > Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retention groove
- > Hand-operated

Code	No.	● mm	L	
6162060	IN 19 L 5-90	5	90	0.091
615730	IN 19 L 6-100	6	100	0.079
6157570	IN 19 L 7-100	7	100	0.089
615773	IN 19 L 8-100	8	100	0.097
615811	IN 19 L 10-100	10	100	0.124
615846	IN 19 L 12-100	12	100	0.151
615862	IN 19 L 14-100	14	100	0.202
616265	IN 19 L 1/4-100	1/4	100	0.081
616303	IN 19 L 5/16-100	5/16	100	0.097
616346	IN 19 L 3/8-100	3/8	100	0.119
616370	IN 19 L 1/2-100	1/2	100	0.161
616397	IN 19 L 9/16-100	9/16	100	0.207

IKS 19

Screwdriver bit sockets 1/2" for cross-head screws, PH

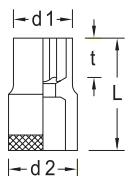

12,5 **1/2"**

- > Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retention groove
- > Hand-operated
- > Tip as per DIN ISO 8764-1 PH

Code	No.	⊕ PH	⊕ PZ	L1	L2	d	
665665	IKS 19 PH 2	2		60	22,0	22,5	0.077
665673	IKS 19 PH 3	3		60	22,0	22,5	0.092
665711	IKS 19 PZD 2		2	60	22,0	22,5	0.077
665738	IKS 19 PZD 3		3	60	22,0	22,5	0.108

TX 19

Sockets 1/2" for protruding TORX® screws, female



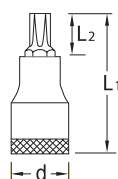
12,5 1/2"

- > Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retention groove
- > Hand-operated

Code	No.	mm	M	mm	L	d1	d2	t	kg
665908	TX 19 E10	E10	M8	9,42	38	13,5	22,5	15,5	0.056
665916	TX 19 E11	E11	-	10,08	38	14,0	22,5	15,5	0.055
665924	TX 19 E12	E12	M10	11,17	38	15,5	22,5	15,5	0.059
665932	TX 19 E14	E14	M12	12,9	38	17,0	22,5	13,0	0.059
665940	TX 19 E16	E16	M12	14,76	38	19,0	22,5	13,0	0.062
665959	TX 19 E18	E18	M14	16,7	40	21,0	24,5	14,0	0.078
665967	TX 19 E20	E20	M16	18,45	40	23,5	24,5	14,0	0.085
665975	TX 19 E24	E24	M18 - M20	22,16	41,5	28,5	26,0	16,0	0.116

ITX 19

Sockets 1/2" for recessed TORX® screws, male



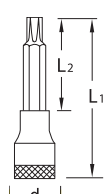
12,5 1/2"

- > Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retention groove
- > Hand-operated

Code	No.		M	mm	L1	L2	d	kg
024710	ITX 19 T20	T20	M4 - M5	3,86	55	17,0	22,5	0.076
024720	ITX 19 T25	T25	M4,5 - M5	4,43	55	17,0	22,5	0.075
024730	ITX 19 T27	T27	M4,5 - M6	4,99	55	17,0	22,5	0.076
024740	ITX 19 T30	T30	M6 - M7	5,52	55	17,0	22,5	0.075
024750	ITX 19 T40	T40	M7 - M8	6,65	55	17,0	22,5	0.076
024760	ITX 19 T45	T45	M8 - M10	7,82	55	17,0	22,5	0.077
024770	ITX 19 T50	T50	M10	8,83	55	17,0	22,5	0.092
024780	ITX 19 T55	T55	M12	11,22	55	17,0	23	0.107
024790	ITX 19 T60	T60	M14	13,25	55	15,0	24,7	0.137

ITX 19L

Sockets 1/2" for recessed TORX® screws, long pattern



12,5 1/2"

- > Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retention groove
- > Hand-operated

Code	No.		M	mm	L1	L2	d	kg
024210	ITX 19 L T20-100	T20	M4 - M5	3,86	100	62,0	22,5	0.095
024215	ITX 19 L T25-100	T25	M4,5 - M5	4,43	100	62,0	22,5	0.095
024220	ITX 19 L T27-100	T27	M4,5 - M5	4,99	100	62,0	22,5	0.096
024225	ITX 19 L T30-100	T30	M6 - M7	5,52	100	62,0	22,5	0.096
024230	ITX 19 L T40-100	T40	M7 - M8	6,65	100	62,0	22,5	0.096
024235	ITX 19 L T45-100	T45	M8 - M10	7,82	100	62,0	22,5	0.098
024240	ITX 19 L T50-100	T50	M10	8,83	100	62,0	22,5	0.124
024245	ITX 19 L T55-100	T55	M12	11,22	100	62,0	23	0.151
024250	ITX 19 L T60-100	T60	M14	13,25	100	60,0	24,7	0.197
024253	ITX 19 L T70-100	T70	M16	15,55	100	60,0	28	0.277

19 SR

Socket set 1/2" 13 pieces



12,5 1/2"

- > Manually operated 1/2" sockets and accessories.
- > Blister packed.

Code	No.	Sockets	kg
611921	SR-C19Z	10-3/8 11 12 13-1/2 14 15-19/32 16-5/8 17 19-3/4 22	1.390
Accessories	☉ Z-94	1993 Z-94 1990/75 Extension Socket Rail	
616834	SR-D19Z	10 12 13 14 15 16 17 19 22 24	1.460
Accessories	☉ Z-94	1993 Z-94 1990/75 Extension Socket Rail	

19 AK / MK
Socket sets 1/2"
20 pieces



12,5 1/2"

- > Manually operated 1/2" sockets.
- > Supplied in blue powder coated, D19 K steel box.
- > Dimensions: 281x77x46mm.

* WHILE STOCKS LAST

Code	No.	Sockets	
612936	C19 MK	C19 8-5/16 10-3/8 11 12 13-1/2 14 15-19/32 16-5/8 17 19-3/4 22 23 24-15/16 26-1. 27-1.1/16 28 30-1.3/16 32-1.1/4	2.270
614122	D19 MK	D19 8 10 11 12 13 14 15 16 17 19 22 23 24 26 27 28 30 32	2.430
616419	D19 AK*	D19 5/16AF 11/32AF 3/8AF 7/16AF 1/2AF 9/16AF 19/32AF 5/8AF 11/16AF 3/4AF 13/16AF 7/8AF 15/16AF 1.AF 1.1/16AF 1.1/8AF 1.3/16AF 1.1/4AF	2.250

19 HMZ / KMZ
Socket sets 1/2"
15 / 14 pieces



12,5 1/2"

- > Manually operated 1/2" sockets and accessories.
- > Supplied in blue powder coated, D19 K steel box.
- > Dimensions: 281x77x46mm.

* WHILE STOCKS LAST

Code	No.	Sockets	
612286	C19 HMZ	C19 8-5/16 10-3/8 11 12 13-1/2 14 15-19/32 16-5/8 17 19-3/4 22	1.940
	Accessories	☉ Z-94 1993 Z-94 ☐ 1990/125 Extension	
614610	D19 HMZ	D19 8 10 11 12 13 14 15 16 17 19 22	1.930
	Accessories	☉ Z-94 1993 Z-94 ☐ 1990/125 Extension	
612316	C19 KMZ*	C19 10-3/8 12 13-1/2 14 15-19/32 17 19-3/4 22 24-15/16 27-1.1/16	2.010
	Accessories	☉ Z-94 1993 Z-94 ☐ 1990/125 Extension	
614653	D19 KMZ	D19 10 12 13 14 15 17 19 22 24 27	2.050
	Accessories	☉ Z-94 1993 Z-94 ☐ 1990/125 Extension	

19 1BMZ
Socket sets 1/2"
23 pieces



12,5 1/2"

- > Manually operated 1/2" sockets and accessories.
- > Supplied in blue powder coated, D19 J steel box.

Code	No.	1B Spanners	Ratchet	Sockets	Accessories	
615595	D19 1BMZ	10 11 13 14 17 19 22	☉ Z-94 1993 Z-94	10 11 12 13 14 15 16 17 19 22	☐ 1990-125 ☐ 145-250 ☐ 137-250	4.540

19 / 22 TMZ
Socket sets 1/2"
29 pieces



12,5 1/2"

- > Manually operated 1/2" sockets and accessories.
- > Supplied in blue powder coated, D19 T steel box.
- > Dimensions: 435x170x50mm.

* WHILE STOCKS LAST

Code	No.	Ratchet	Sockets	Accessories	
611980	C19/22TMZ*	☉ Z-94 1993 Z-94	8-5/16 9-11/32 10-3/8 11 12 13-1/2 14 15-19/32 16-5/8 17 18-11/16 19-3/4 20-25/32 21-13/16 22 24-15/16 26-1.27-1.1/16 28 29-1.1/8 30-1.3/16 32-1.1/4	☐ 1990-125 ☐ 1990-250 ☐ 1987 ☐ 1995	5.200
616524	D19/22 TMZ	☉ Z-94 1993 Z-94	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 24 26 27 28 29 30 32	☐ 1990-125 ☐ 1990-250 ☐ 1987 ☐ 1995	5.200

19 / 22 TMU-10T
Socket sets 1/2"
29 pieces



12,5 1/2"

- > Manually operated 1/2" sockets and accessories.
- > Supplied in blue powder coated, D19 T steel box.
- > Dimensions: 435x170x50mm.

* WHILE STOCKS LAST

Code	No.	Ratchet	Sockets	Accessories	
611999	C19/22TMU-10T*	☉ U-10 1993 U-10 T	8-5/16 9-11/32 10-3/8 11 12 13-1/2 14 15-19/32 16-5/8 17 18-11/16 19-3/4 20-25/32 21-13/16 22 24-15/16 26-1. 27-1.1/16 28 29-1.1/8 30-1.3/16 32-1.1/4	☐ 1987 ☐ 1990-125 ☐ 1990-250 ☐ 1995	5.400
616532	D19/22TMU-10T	☉ U-10 1993 U-10 T	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 24 26 27 28 29 30 32	☐ 1987 ☐ 1990-125 ☐ 1990-250 ☐ 1995	5.400

19 TM97U-10T
Socket sets 1/2"
22 pieces



12,5 1/2"

- > Manually operated 1/2" sockets and accessories.
- > Supplied in blue powder coated, D19 T steel box.
- > Dimensions: 435x170x50mm.

Code	No.	Ratchet	Sockets	Accessories	
612413	C19TM97U-10T	U-10 1993 U-10 T	10-3/8 11 12 13-1/2 14 15-19/32 16-5/8 17 18-11/16 19-3/4 21-13/16 22 24-15/16 30-1.3/16 32-1.1/4	1990-125 1990-250 1997-375 50-20.8	4.540
615455	D19TM97U-10T	U-10 1993 U-10 T	10 11 12 13 14 15 16 17 19 20 22 24 27 30 32	1990-125 1990-250 1997-375 50-20.8	4.740

19 TMU / TAU-10T
Socket sets 1/2"
27 pieces



12,5 1/2"

- > Manually operated 1/2" sockets and accessories.
- > Supplied in blue powder coated, D19 T steel box.
- > Dimensions: 435x170x50mm.

Code	No.	Ratchet	Sockets	Accessories	
612464	C19TMU-10T	U-10 1993 U-10 T	8-5/16 10-3/8 11 12 13-1/2 14 15-19/32 16-5/8 17 18-11/16 19-3/4 21-13/16 22 24-15/16 26-1. 27-1.1/16 29-1.1/8 30-1.3/16 32-1.1/4	1987 1990-125 1990-250 1995 1985	5.620
615196	D19 TMU-10T	U-10 1993 U-10 T	8 10 11 12 13 14 15 16 17 19 21 22 23 24 26 27 28 30 32	1987 1990-125 1990-250 1995 1985	5.700
616206	D19TAU-10T	U-10 1993 U-10 T	5/16AF 3/8AF 13/32AF 7/16AF 1/2AF 9/16AF 19/32AF 5/8AF 11/16AF 3/4AF 25/32AF 13/16AF 7/8AF 15/16AF 1. AF 1.1/16AF 1.1/8AF 1.3/16AF 1.1/4AF	1987 1990-125 1990-250 1995 1985	5.650

19 TMZ / TMAZ
Socket sets 1/2"
27 pieces



12,5 1/2"

- > Manually operated 1/2" sockets and accessories.
- > Supplied in blue powder coated, D19 T steel box.
- > Dimensions: 435x170x50mm.

Code	No.	Ratchet	Sockets	Accessories	
612456	C19TMZ	Z-94 1993 Z-94	8-5/16 10-3/8 11 12 13-1/2 14 15-19/32 16-5/8 17 18-11/16 19-3/4 21-13/16 22 24-15/16 26-1. 27-1.1/16 29-1.1/8 30-1.3/16 32-1.1/4	1987 1990-125 1990-250 1995 1985	5.480
614831	D19 TMZ	Z-94 1993 Z-94	8 10 11 12 13 14 15 16 17 19 21 22 23 24 26 27 28 30 32	1987 1990-125 1990-250 1995 1985	5.560
614572	D19TMA-Z	Z-94 1993 Z-94	10 13 14 15 16 17 19 22 24 27 30 32 3/8 7/16 1/2 9/16 11/16 13/16 1.	1987 1990-125 1990-250 1995 1985	5.420

C19 YMAU-10T
Socket set 1/2"
32 pieces



12,5 1/2"

- > Manually operated 1/2" sockets and accessories.
- > Supplied in blue powder coated, D19 T steel box.
- > Dimensions: 526x190x52mm.

Code	No.	Ratchet	Sockets	Accessories	
612367	C19YMAU-10T	U-10 1993 U-10 T	8-5/16 9-11/32 10-3/8 11 12 13-1/2 14 15-19/32 16-5/8 17 18 19-3/4 21-13/16 22 24-15/16 26-1. 27-1.1/16 29-1.1/8 30-1.3/16 32-1.1/4 7/16AF 9/16AF 7/8AF	1990-125 1990-250 1997-375 50-20.8 1987 1995Joint	7.230

D19 YMAU-10T
Socket set 1/2"
43 pieces



12,5 1/2"

- > Manually operated 1/2" sockets and accessories.
- > Supplied in blue powder coated, D19 Y steel box.
- > Dimensions: 526x190x52mm.

Code	No.	Ratchet	Sockets	Accessories	
616222	D19 YMAU-10T	U-10 1993 U-10 T	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 27 5/16AF 11/32AF 3/8AF 13/32AF 7/16AF 1/2AF 9/16AF 19/32AF 5/8AF 11/16AF 3/4AF 25/32AF 13/16AF 7/8AF 15/16AF 1. AF	1990-125 1990-250 1987-375 1995 50-20.8 1985	7.390

NEW

D19 NZU-Z94
Socket sets 1/2"



12,5 1/2"

- > Manually operated 1/2" sockets and accessories.
- > Supplied in blue powder coated steel box.
- > In high-density foam insert.

Code	No.	Ratchet	Sockets	Accessories	
615298	D19 NZU-Z94	Z-94 1993 Z-94	D19 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 30 32mm 3/8 7/16 1/2 9/16 5/8 11/16 3/4 13/16 7/8 15/16 1 1.1/16 1.1/8 1.3/16 1.1/4	1987 1990-125 1990-250 1995 50/20.8mm	7.400

19 62MU-10T
Socket sets 1/2"



12,5 1/2"

- > Manually operated 1/2" sockets and accessories.
- > Supplied in blue powder coated, D19 Y steel box.
- > Dimensions: 526x190x52mm.

* WHILE STOCKS LAST

Code	No.	1B Spanners	Ratchet	Sockets	Accessories	
612391	C19 62MU-10T*	No.2 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 No.6 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22	U-10 1993 U-10 T	10-3/8 11 12 13-1/2 14 15-19/32 16-5/8 17 18-11/16 19-3/4 20-25/32 21-13/16 22	1990-125 1990-250 1987 1995	6.760
616001	D19 62MU-10T*	No.2 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 No.6 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22	U-10 1993 U-10 T	10 11 12 13 14 15 16 17 18 19 20 21 22	1990-125 1990-250 1987 1995	7.120

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SOCKETS & ACCESSORIES

IN19 PM6 / PA6
Socket set 1/2"

12,5 1/2"



- > Manually operated 1/2" sockets.
- > Supplied in black matt-finish insert.
- > Also available in a blister pack.

Code	No.	Sockets	
617474	PM-6	IN19 5 6 8 10 12 14	1.260
617849	PA-6	IN19 3/16AF 1/4AF 5/16AF 3/8AF 1/2AF 9/16AF	1.100

IN19 PM9 / PA9
Socket set 1/2"

12,5 1/2"



- > Manually operated 1/2" sockets.
- > Supplied in blue powder coated Ref D30 K steel box.
- > Dimensions: 281x77x37mm.
- > Also available in a blister pack.

Code	No.	Sockets	
615625	PM-9	IN19 5 6 7 8 9 10 12 14 17	1.500
615641	PA-9	IN19 3/16AF 7/32AF 1/4AF 9/32AF 5/16AF 3/8AF 1/2AF 9/16AF 5/8AF	1.470

IN19 PM5D / PA5D
Socket set 1/2"

12,5 1/2"



- > Manually operated 1/2" sockets.
- > Supplied in black matt-finish insert.

Code	No.	Sockets	
617423	PM-5D	IN19 6 8 10 12 14 IN19L 6-100 8-100 10-100 12-100 14-100	1.250

IN19 PM10 / PA10
Socket set 1/2"

12,5 1/2"



- > Manually operated 1/2" allen key sockets.
- > Supplied in black matt-finish insert.

Code	No.	Sockets	
617415	PM-10	IN19 5 6 7 8 9 10 12 14 17 19	1.260
617431	PA-10	IN19 3/16AF 7/32AF 1/4AF 5/16AF 3/8AF 1/2AF 9/16AF 5/8AF 9/32AF IKS19 2	1.100

INX19
Socket set 1/2"

12,5 1/2"



- > Manually operated 1/2" spline sockets.
- > Supplied in black matt-finish insert.

Code	No.	Sockets	
617989	PM-5D	INX19 5 6 8 10 12 INX19L 6-100 8-100 10-100 12-100 IKS19 2	1.320
617601	6	INX19-6 5 6 8 10 12 IKS19 2	0.510

ITX / TX19 FT
Socket set 1/2"
TORX®



12,5 1/2"

- > Manually operated 1/2" sockets.
- > Supplied in blue powder coated, D19 J steel box.
- > Dimensions: 290x186x52mm.

Code	No.	Sockets	
660099	FMT	ITX19 T20 T25 T27 T30 T40 T45 T50 TX19 E10 E11 E12 E14 E16 E18 E20 E24	1.100

TORX® = Registered trademark of Acument Intellectual Properties, LLC. USA

TX19
Socket set 1/2"
TORX®



12,5 1/2"

- > Manually operated 1/2" sockets.
- > Supplied in blue powder coated, D30 K steel box.
- > Dimensions: 281x77x37mm.
- > Also available in a blister pack.

*WHILE STOCKS LAST

Code	No.	Sockets	
665991	FT	TX19 E10 E11 E12 E14 E16 E18 E20 E24	0.510
665994	SR-FT*	TX19 E10 E11 E12 E14 E16 E18 E20 E24 (Including Holding Rail and Adaptor)	0.620

TORX® = Registered trademark of Acument Intellectual Properties, LLC. USA

ITX19
Socket set 1/2"
TORX®



12,5 1/2"

- > Manually operated 1/2" sockets.
- > Supplied in blue powder coated Ref D30 K steel box.
- > Dimensions: 281x77x37mm.
- > Also available in a blister pack.

*WHIE STOCKS LAST

Code	No.	Sockets	
665983	MT	ITX19 T20 T25 T27 T30 T40 T45 T50	1.000
665986	SR-MT*	ITX19 T20 T25 T27 T30 T40 T45 T50 (Including Holding Rail and Adaptor)	0.540

TORX® = Registered trademark of Acument Intellectual Properties, LLC. USA.

19 SPARES
Repair kits, boxes,
inserts 1/2"

12,5 1/2"

- > For the 1993Z ratchet and 1996/7 power bar.
- > Blue powder coated steel case.
- > Black matt-finish insert.

Code	No.		
545694	1993 Z Repair Kit	515515	D 19/22 T Insert
545708	1996/7 Repair Kit	544221	D 19 Y Insert
514640	D 19 J Box	515337	D 19 YM1B Insert
514632	D 19 K Box	544205	D 19 1B Insert
514667	D 19 T Box	515353	D 19 62MU Insert
514675	D 19 Y Box	515426	IN19 - 5D Insert
515450	C 19 Y Insert	515418	IN19 - 6 Insert
515965	D 19 GM Insert	544248	IN19 - 9 Insert
515485	D 19 H Insert	515396	IN19PM - 10 Insert
515975	D 19 IM Insert	515876	ITX19 MT Insert
544191	D 19 J Insert	515868	TX19 FT Insert
515507	D 19 K Insert	515841	ITX/TX19 FM Insert
544213	D 19 T Insert	515981	K19 Insert
515310	D 19 T 97 Insert		

SOCKETS & ACCESSORIES

1996 - 1997
Swivel handles 1/2"



- > Acc. to DIN 3122, ISO 3315
- > For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174, ball locking device

Code	No.	"	mm	L	kg
614483	1996	1/2"	12,5	255	0.414
614491	1997-375	1/2"	12,5	381	0.576
614556	1997-450	1/2"	12,5	450	0.677

1987
Sliding t-bar 1/2"



- > Acc. to DIN 3122, ISO 3315
- > For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174, ball locking device

Code	No.	"	mm	L	kg
614343	1987	1/2"	12,5	292	0.386

1990
Extension bars 1/2"



- > Acc. to DIN 3123, ISO 3316
- > For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174, ball locking device

Code	No.	"	mm	L	kg
614378	1990-75	1/2"	12,5	75	0.137
614386	1990-125	1/2"	12,5	125	0.188
614289	1990-175	1/2"	12,5	180	0.264
614394	1990-250	1/2"	12,5	250	0.361

1990 M
Extension 1/2"
with magnet



- > For hand-operated sockets with through hole and square drive according to DIN 3120, ISO 1174, with ball locking device
- > One-hand operation - the screw or nut can be screwed in immediately with the socket wrench insert
- > A strong permanent magnet keeps hold of even large screws
- > perfect for work in confined spaces

* WHILE STOCKS LAST

Code	No.	"	mm	L	kg
2697920	1990 M*	1/2"	12,5	81,5	0.11

1995
Universal joint 1/2"



- > Acc. to DIN 3123, ISO 3316
- > For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174, ball locking device

Code	No.	"	mm	"	mm	L	kg
614475	1995	1/2"	12,5	1/2"	12,5	72	0.159

1994
Coupler 1/2"



- > Acc. to DIN 3122, ISO 3315
- > For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174, ball locking device
- > * With mushroom head

Code	No.	"	mm	L	kg
6144670	1994 Coupler	1/2"	12,5	38	0.045
614467	1994 PZK*	1/2"	12,5	46	0.560

1930
Reducer 1/2" to 3/8"



- > Acc. to DIN 3123, ISO 3316
- > For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174, ball locking device

Code	No.	□"	□mm	■"	■mm	L	
6143000	1930	1/2"	12,5	3/8"	10	38,5	0.062

1932
Converter 1/2" to 3/4"



- > Acc. to DIN 3123, ISO 3316
- > For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174, ball locking device

Code	No.	□"	□mm	■"	■mm	L	
614319	1932	1/2"	12,5	3/4"	20	44	0.128

1985
Speed brace handle 1/2"



- > Acc. to DIN 3122, ISO 3315
- > For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174, ball locking device

Code	No.	■"	■mm	L	
614335	1985	1/2"	12,5	395	0.619

3293 U-1
Reversible ratchets with lever control 3/4"



3/4" 20

- > Acc. to DIN 3122, ISO 3315
- > With recessed lever change, locks in middle position
- > Return angle 11.25°
- > For hand-operated sockets and accessories with square drive

as per DIN 3120 - D 20, ISO 1174 with locking pin

Code	No.	■"	■	∠°	L	
627798	3293 U-1	3/4"	20	11,25	500	2.630
627984	3293 U-1/440	3/4"	20	11,25	440	2.630

3293 U-2
Reversible ratchet 3/4"



3/4" 20

- > Acc. to DIN 3122, ISO 3315
- > With disc change, fine-toothed and robust
- > Return angle 7.2°

> For hand-operated sockets and accessories with square drive as per DIN 3120 - D 20, ISO 1174 with locking pin

Code	No.	■"	■	∠°	L	mm	
627860	3293 U-2	3/4"	20	7,2	510	60	1.435

3293 Z-94

Ratchet handle with coupler 3/4"



3/4" 20

- > Acc. to DIN 3122, ISO 3315
- > With square coupler, medium-fine toothed, extremely rugged
- > Return angle 10°

> For hand-operated sockets and accessories with square drive as per DIN 3120 - D 20, ISO 1174 with locking pin

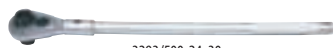
Code	No.	3/4"	20	10°	L	mm	kg
627895	3293 Z-94	3/4"	20	10	510	31	1.301

3293 / 500-DJ / DJ 24x34

Double johnny ratchets 3/4"



3293/500



3293/500-24x30

3/4" 20

- > For manually operated sockets and accessories with 3/4" square drive.
- > Chrome Vanadium steel 31CrV3.
- > In accordance with SANS 1113 and DIN 3122.

> 500 DJ with double 3/4" drive coupler and 500mm detachable handle.
> 500 DJ24x30 with 24mm and 30mm fixed sockets and 500mm detachable handle.

Code	No.	3/4"	20	15°	L	kg
627127	3293 / 500	3/4"	20	15	625	3.080
627194	3293 / 500 24x34	3/4"	20	15	650	2.940

C32 (MM) / (AF)

Sockets 3/4"
c-profile

20 3/4"



- > Manually operated sockets with thin walls and knurled base.
- > Chrome Vanadium steel 31CrV3.
- > Chrome plated.
- > In accordance with SANS 1113 and DIN 3124.

Code	mm	L	kg
626007	C32 19mm-3/4	51.5	0.208
626015	C32 22mm-7/8	51.5	0.211
626023	C32 24mm-15/16	51.5	0.221
626058	C32 26 mm-1.	51.5	0.220
626066	C32 27mm-1.1/16	54.5	0.243
626074	C32 29mm-1.1/8	54.5	0.261
626082	C32 30mm-1.3/16	57.5	0.303
626090	C32 32mm-1.1/4	57.5	0.343
626104	C32 33mm-1.5/16	57.5	0.350
626112	C32 34mm	57.5	0.380
626171	C32 36mm-1.7/16	59.5	0.413
626201	C32 38mm-1.1/2	59.5	0.440
626228	C32 41mm-1.5/8	62.5	0.550
626244	C32 46mm-1.13/16	65.5	0.690
626260	C32 50mm-2.	68.5	0.840
626279	C32 1.3/8AF	59.5	0.402

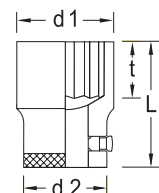
D32 (MM)

Sockets 3/4"
bi-hexagon, UD profile

20 3/4"

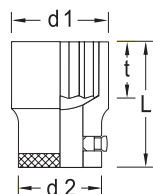


- > Acc. to DIN 3124, ISO 2725-1
- > Square drive as per DIN 3120 - D 20, ISO 1174, with locking pin
- > Hand-operated



Code	No.	mm	L	d1	d2	t	kg
627216	D 32 19mm	19	51,5	36,0	29,6	19,0	0.221
627224	D 32 22mm	22	51,5	36,0	33,3	19,0	0.227
627232	D 32 24mm	24	51,5	38,0	35,8	19,5	0.257
627240	D 32 27mm	27	54,5	36,0	39,6	24,0	0.255
627259	D 32 29mm	29	54,5	36,0	39,6	24,0	0.285
627267	D 32 30mm	30	57,5	38,0	43,3	26,0	0.319
627275	D 32 32mm	32	57,5	38,0	45,8	27,0	0.332
627704	D 32 33mm	33	57,5	38,0	46,0	27,0	0.345
627763	D 32 34mm	34	58,0	39,0	48,0	27,5	0.375
627283	D 32 36mm	36	59,5	40,0	50,8	28,0	0.418
627291	D 32 38mm	38	59,5	40,5	53,3	28,0	0.441
627305	D 32 41mm	41	62,5	44,0	57,1	30,5	0.500
627313	D 32 46mm	46	65,5	44,0	63,3	32,5	0.641
627321	D 32 50mm	50	68,5	48,0	68,3	34,5	0.800

D32 (AF)
Sockets 3/4"
bi-hexagon, UD profile



20 3/4"

- > Square drive as per DIN 3120 - D 20, ISO 1174, with locking pin
- > Hand-operated

Code	No.		L	d1	d2	t	
627402	D 32 7/8AF	7/8"	51,5	36,0	33,6	19,0	0.227
627410	D 32 15/16AF	15/16"	51,5	38,0	35,6	19,5	0.262
627429	D 32 1AF	1"	51,5	36,0	37,6	22,0	0.229
627437	D 32 1.1/16AF	1.1/16"	54,5	36,0	39,6	24,0	0.256
627445	D 32 1.1/8AF	1.1/8"	54,5	36,0	41,5	24,0	0.268
627399	D 32 1.3/16AF	1.3/16"	57,5	38,0	45,5	27,0	0.333
627453	D 32 1.1/4AF	1.1/4"	57,5	38,0	45,5	27,0	0.333
627461	D 32 1.5/16AF	1.5/16"	57,5	40,0	47,5	26,5	0.377
627488	D 32 1.3/8AF	1.3/8"	59,5	40,0	49,5	28,0	0.407
627496	D 32 1.7/16AF	1.7/16"	59,5	40,0	51,4	28,0	0.413
627518	D 32 1.1/2AF	1.1/2"	59,5	40,5	53,3	28,0	0.431
627526	D 32 1.5/8AF	1.5/8"	62,5	44,0	57,4	30,5	0.539
627534	D 32 1.11/16AF	1.11/16"	62,5	44,0	59,4	30,5	0.568
627542	D 32 1.3/4AF	1.3/4"	65,5	44,0	61,4	32,5	0.627
627550	D 32 1.13/16AF	1.13/16"	65,5	44,0	63,3	32,5	0.637
627569	D 32 1.7/8AF	1.7/8"	65,5	44,0	65,3	32,5	0.664
627577	D 32 2AF	2"	68,5	48,0	69,2	34,5	0.811

IN 32
Screwdriver bit sockets 3/4" for hexagon head screws



20 3/4"

- > Manually operated sockets with knurled base.
- > 3/4" square drive.
- > Sockets: Chrome Vanadium steel 31CrV3.
- > Bits: Chrome Vanadium steel 59CrV4.

Code	No.		L	
6275850	IN32 14mm	14	80	0.352
6275930	IN32 17mm	17	80	0.394
6276070	IN32 19mm	19	80	0.433
6276150	IN32 22mm	22	80	0.482

32 EMAZ / EMZ / EAZ
Socket sets 3/4"



20 3/4"

- > Manually operated 3/4" sockets and accessories.
- > Supplied in blue powder coated D32 E steel box.
- > Dimensions: 526x190x75mm.

Code	No.	Ratchet	Sockets	Accessories	
626538	C32 EMAZ	Z-94 3293 Z-94	C32 27-1.1/16 29-1.1/8 32-1.1/4 33-1.5/16 36-1.7/16 38-1.1/2 41-1.5/8 46-1.13/16 50-2. 1.3/8	3287 3290-200 3290-400	11.430
628026	D32 EMZ	Z-94 3293 Z-94	D32 22 24 27 30 32 36 38 41 46 50	3287 3290-200 3290-400	11.060
628050	D32 EAZ	Z-94 3293 Z-94	D32 7/8 15/16 1.1/16 1.1/4 1.5/16 1.3/8 1.7/16 1.5/8 1.13/16 2.	3287 3290-200 3290-400	11.220

32 EMAU-2 / EMU-2
Socket sets 3/4"



20 3/4"

- > Manually operated 3/4" sockets and accessories.
- > Supplied in blue powder coated D32 E steel box.
- > Dimensions: 526x190x75mm.

Code	No.	Ratchet	Sockets	Accessories	
626546	C32 EMAU-2	U-2 3293 U-2	C32 27-1.1/16 29-1.1/8 32-1.1/4 33-1.5/16 36-1.7/16 38-1.1/2 41-1.5/8 46-1.13/16 50-2. 1.3/8	3287 3290-200 3290-400	11.600
628042	D32 EMU-2	U-2 3293 U-2	D32 22 24 27 30 32 36 38 41 46 50	3287 3290-200 3290-400	11.230

NEW

D32 NZU-Z
Socket set 3/4"



20 **3/4"**

- > Manually operated 3/4" sockets and accessories.
- > Supplied in blue powder coated steel box.
- > Sturdy carrying handles.

Code	Ratchet	Sockets	Accessories	
628073	U-2 3293 U-2	D32 22 24 27 29 30 32 36 38 41 46 50mm 7/8 15/16 1.1/16 1.1/4 1.5/16 1.3/8 1.7/16 1.5/8 1.13/16 2	3287 3290-200 3290-400	14.100

3296
Swivel handle 3/4"



- > Acc. to DIN 3122, ISO 3315
- > For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174 with locking pin

Code	No.	"	mm	L	
627925	3296	3/4"	20	547	1.965

3287
Sliding t-bars 3/4"



- > Acc. to DIN 3122, ISO 3315
- > For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174 with locking pin

Code	No.	"	mm	L	
627836	3287	3/4"	20	500	1.161
627941	3287 / 447	3/4"	20	447	1.021

3290
Extensions 3/4"



- > Acc. to DIN 3123, ISO 3316
- > For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174 with locking pin

Code	No.	"	mm	L	
627844	3290-200	3/4"	20	200	0.574
627852	3290-400	3/4"	20	400	1.079

3295
Universal joint 3/4"



- > Acc. to DIN 3123, ISO 3316
- > For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174 with locking pin

Code	No.	"	mm	"	mm	L	
017170	3295	3/4"	20,0	3/4"	20	106	0.580

3294
Coupler 3/4"



- > Acc. to DIN 3122, ISO 3315
- > For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174 with locking pin

Code	No.	"	mm	L	
627909	3294	3/4"	20	51,5	0.133

3219
Reducer 3/4" to 1/2"



- > Acc. to DIN 3123, ISO 3316
- > For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174 with locking pin

Code	No.	"	mm	"	mm	L	
017100	3219	3/4"	20,0	1/2"	12,5	56	0.162

3221
Converter 3/4" to 1"



- > Acc. to DIN 3123, ISO 3316
- > For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174 with locking pin

Code	No.	□"	□mm	■"	■mm	L	kg
627828	3221	3/4"	20,0	1"	25	60	0.337

32 SPARES
Repair kits, boxes, inserts

- > For the 3293 range of ratchets and 3296 power bar.
- > Blue powder coated steel case.
- > Black matt-finish insert.

Code	No.
541036	3293 U-1 Repair Kit
545716	3293 U-2 Repair Kit
545724	3293 Z Repair Kit
627135	3293 DJ Repair Kit
545740	3296 Repair Kit
514683	D32 E Box
544256	D32 Insert
545228	C32 EMAZ Insert

2193 U-3
Reversible ratchet 1"



1" 25

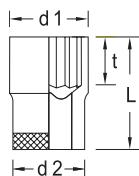
- > Acc. to DIN 3122, ISO 3315
- > With non-slip metal, fine-toothed (72 teeth) and robust
- > Return angle 5°

- > For hand-operated sockets and accessories with square drive as per DIN 3120 - D 25, ISO 1174 with locking pin

Code	No.	■"	■	∠°	L	mm	kg
018240	2193 U-3	1"	25	5	720	76	4.160

D21
Sockets 1"

25 1"



- > Manually operated sockets with knurled base.
- > 1" square drive.
- > Gedore Vanadium steel 31CrV3.
- > Chrome plated.
- > In accordance with SANS 1113 and DIN 3124.

Code	○mm	L	kg
018001	D21 36mm	70	0.600
018002	D21 41mm	70	0.700
018003	D21 46mm	75	0.900
018004	D21 50mm	75	1.000
018005	D21 55mm	75	1.100
018006	D21 60mm	80	1.200
018011	D21 65mm	84	1.670
018008	21 70mm - Hexagon	70	0.600
018009	21 75mm - Hexagon	70	0.700
018010	21 80mm - Hexagon	75	0.900

D21 EMU-10
Sockets 1"
15 pieces

25 1"



- > Manually operated 1" sockets and accessories.
- > Gedore Vanadium steel 31CrV3.
- > With reversible lever change ratchet.
- > Supplied in blue powder coated steel case.
- > Dimensions: 760 x 160 x 105mm.

Code	No.	Ratchet	Sockets	Accessories	kg
018250	D 21 EMU JG	👁 U-10 2193 U-3	🔩 D 21 36 41 46 50 55 60 65 70 75 80	🔗 2190 -16 Extension 🔗 2190 -8 Extension 🔗 2187 Sliding T-Bar	27.600

SOCKETS & ACCESSORIES

2187
Sliding t-bar 1"



> Acc. to DIN 3122, ISO 3315
> For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174 with locking pin

Code	No.	"	mm	L	kg
018210	2187	1"	25	700	3.955

2190
Extensions 1"



> Acc. to DIN 3123, ISO 3316
> For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174 with locking pin

Code	No.	"	mm	L	kg
018220	2190-8	1"	25	200	1.182
018230	2190-16	1"	25	400	2.144

2195
Universal joint 1"



> For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174 with locking pin

Code	No.	"	mm	"	mm	L	kg
6180980	2195	1"	25,0	1"	25	140	1.482

2194
Coupler 1"



> Acc. to DIN 3122, ISO 3315
> For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174 with locking pin

Code	No.	"	mm	L	kg
6180710	2194	1"	25	67,5	0.321

2132
Reducer 1" to 3/4"



> Acc. to DIN 3123, ISO 3316
> For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174 with locking pin

Code	No.	"	mm	"	mm	L	kg
018200	2132	1"	25,0	3/4"	20	75	0.504

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NEW

K19-14
Impact socket set 1/2"



12,5 1/2"

- > 14 impact sockets, suitable for all standard electric and air tools.
- > 1/2" square drive.
- > Supplied in blue powder coated steel box.

Code	No.	Sockets																			kg	
1646928	K19-14	K19	10	11	12	13	14	16	17	18	19	21	22	23	24	27						1.200

NEW

K19-5
Impact socket set 1/2"



12,5 1/2"

- > 5 impact sockets, machine-operated, suitable for all standard electric and air tools.
- > 1/2" square drive.
- > Supplied in blue powder coated D19 steel box.
- > Dimensions: 281x77x46mm.

Code	No.	Sockets	Extension	kg
1646923	K19-5	K19	10 13 14 17 24 KB1990-125	0.950

NEW

K19-17
Impact socket set 1/2"



12,5 1/2"

- > 1/2" square drive.
- > Machine-operated, suitable for all standard electric and air tools
- > In accordance with DIN 3129.
- > GEDORE special steel, manganese phosphated.
- > Supplied in blue powder coated steel box.

Code	No.	Sockets	Extension	kg
1646930	K19-17	K19	10 11 12 13 14 16 17 18 19 21 22 23 24 27 KB1990-125 KB1970/75 8-14mm safety ring & pin KB1970/75 15-32mm safety ring & pin	1.500

K19 (MM)
Impact sockets 1/2" hexagon



12,5 1/2"

- > 1/2" square drive.
- > Machine-operated, suitable for all standard electric and air tools
- > In accordance with DIN 3129.
- > GEDORE special steel, manganese phosphated.

Code	mm	Recommended Accessories	L	kg
6160280	K19 10mm	KB1970 10-14, KB1975 10-14	38	0.082
6160360	K19 11mm	KB1970 10-14, KB1975 10-14	38	0.085
6160440	K19 12mm	KB1970 10-14, KB1975 10-14	38	0.084
6160520	K19 13mm	KB1970 10-14, KB1975 10-14	38	0.081
6160600	K19 14mm	KB1970 10-14, KB1975 10-14	38	0.082
6160790	K19 16mm	KB1970 15-27, KB1975 15-27	38	0.124
6160870	K19 17mm	KB1970 15-27, KB1975 15-27	38	0.123
6160950	K19 18mm	KB1970 15-27, KB1975 15-27	38	0.122
6161090	K19 19mm	KB1970 15-27, KB1975 15-27	38	0.119
6161170	K19 21mm	KB1970 15-27, KB1975 15-27	38	0.137
6161250	K19 22mm	KB1970 15-27, KB1975 15-27	38	0.142
6161330	K19 23mm	KB1970 15-27, KB1975 15-27	38	0.148
6161410	K19 24mm	KB1970 15-27, KB1975 15-27	45	0.154
6182680	K19 27mm	KB1970 15-27, KB1975 15-27	50	0.180
6182720	K19 28mm	KB1970 15-27, KB1975 15-27	50	0.183
6182880	K19 29mm	KB1970 15-27, KB1975 15-27	50	0.188
1560557	K19 30mm	KB1970 15-27, KB1975 15-27	50	0.256
1783742	K19 32mm	KB1970 15-27, KB1975 15-27	50	0.286

K19 L
Impact sockets 1/2" hexagon, long pattern



12,5 1/2"

- > 1/2" square drive.
- > Machine-operated, suitable for all standard electric and air tools.
- > In accordance with DIN 3129.
- > GEDORE special steel, manganese phosphated.

Code	mm	Recommended Accessories	L	kg
6163380	K19L 10mm	KB1970 10-14, KB1975 10-14	77	0.140
6163381	K19L 11mm	KB1970 10-14, KB1975 10-14	77	0.133
6163400	K19L 12mm	KB1970 10-14, KB1975 10-14	77	0.140
6163540	K19L 13mm	KB1970 10-14, KB1975 10-14	77	0.150
6163620	K19L 14mm	KB1970 10-14, KB1975 10-14	77	0.154
6197790	K19L 16mm	KB1970 15-27, KB1975 15-27	77	0.172
6163890	K19L 17mm	KB1970 15-27, KB1975 15-27	80	0.200
6197870	K19L 18mm	KB1970 15-27, KB1975 15-27	82	0.215
6164000	K19L 19mm	KB1970 15-27, KB1975 15-27	82	0.225
6162730	K19L 21mm	KB1970 15-27, KB1975 15-27	82	0.243
6164270	K19L 22mm	KB1970 15-27, KB1975 15-27	82	0.290
6199810	K19L 23mm	KB1970 15-27, KB1975 15-27	82	0.292
6164430	K19L 24mm	KB1970 15-27, KB1975 15-27	82	0.314
6164780	K19L 27mm	KB1970 15-27, KB1975 15-27	82	0.389
6184270	K19L 30mm	KB1970 15-27, KB1975 15-27	82	0.453

IN K19
Impact allen key sockets 1/2" for in-hex screws



12,5 1/2"

- > 1/2" square drive.
- > Machine-operated, suitable for all standard electric and air tools.
- > In accordance with DIN 3121.
- > GEDORE special steel, manganese phosphated.

Code	mm	Recommended Accessories	L	kg
6224190	IN K19 8mm	KB1970 10-14, KB1975 10-14	44	0.093
6224270	IN K19 10mm	KB1970 10-14, KB1975 10-14	44	0.104
6224350	IN K19 12mm	KB1970 15-27, KB1975 15-27	50	0.130
6225320	IN K19 14mm	KB1970 15-27, KB1975 15-27	50	0.148
6225670	IN K19 17mm	KB1970 15-27, KB1975 15-27	50	0.189
6225675	IN K19 19mm	KB1970 15-27, KB1975 15-27	50	0.214

KB 1932
Converter 1/2" to 3/4" for impact sockets



1/2" 12,5 mm 3/4" 20 mm

12,5 1/2"

- > With square drive as per DIN 3121.

Code	No.	3/4"	20	1/2"	12.5	L	kg
6650020	KB1932					48	0.159

KB 1990
Extensions 1/2" for impact sockets



12,5 1/2"

- > For impact sockets and accessories with 1/2" square drive.

Code	No.	1/2"	12.5	L	kg
6655100	KB1990/75			75	0.143
6655250	KB1990/125			125	0.226

KB 1995
Universal joint 1/2" for impact sockets



12,5 1/2"

- > For air tool operated impact sockets and accessories with 1/2" square drive.

Code	No.	1/2"	12.5	1/2"	12.5	L	kg
6655410	KB1995					62	0.202

KB 1900
Impact driver 1/2"



12,5 1/2"

- > For impact sockets and accessories with 1/2" square drive.

Code	No.	L	kg
024010	KB1900*	123	0.580

*WHIE STOCKS LAST

KB 1970 - KB 1975
Safety ring & pin 1/2"
for impact sockets

12.5 1/2"



Code	No.		kg
6654790	KB1970/75	8-14mm	0.020
6654870	KB1970/75	15-32mm	0.020

NEW

20 3/4"

K 32-18
Impact socket set 3/4"



- > 3/4" square drive.
- > Machine-operated, suitable for all standard electric and air tools.
- > In accordance with DIN 3129.
- > GEDORE special steel, manganese phosphated.
- > Supplied in blue powder coated steel box.

Code	No.	Sockets	Extension	kg
6289995	K32-18	O K32 17 18 19 21 22 23 24 27 28 29 30 32 33 34 36 38 40 41	KB3270/75 17-50mm safety ring & pin KB3270/75 52-60mm safety ring & pin	10.500

K 32 (MM)
Impact sockets 3/4"
hexagon

20 3/4"



- > 3/4" square drive.
- > Machine-operated, suitable for all standard electric and air tools.
- > In accordance with DIN 3129.
- > GEDORE special steel, manganese phosphated.

Code	mm	Recommended Accessories	L	kg
6282040	K32 17mm	KB3270, KB3275	45	0.330
6289990	K32 18mm	KB3270, KB3275	45	0.330
6282120	K32 19mm	KB3270, KB3275	45	0.331
6282190	K32 21mm	KB3270, KB3275	46	0.340
6282200	K32 22mm	KB3270, KB3275	46	0.333
6282210	K32 23mm	KB3270, KB3275	46	0.360
6282390	K32 24mm	KB3270, KB3275	46	0.349
6282470	K32 27mm	KB3270, KB3275	48	0.367
6282474	K32 28mm	KB3270, KB3275	48	0.379
6282476	K32 29mm	KB3270, KB3275	48	0.384
6282550	K32 30mm	KB3270, KB3275	52	0.395
6282630	K32 32mm	KB3270, KB3275	52	0.445
6283010	K32 33mm	KB3270, KB3275	55	0.475
6281580	K32 34mm	KB3270, KB3275	55	0.475
6282710	K32 36mm	KB3270, KB3275	56	0.482
6281740	K32 38mm	KB3270, KB3275	59	0.517
6282970	K32 40mm	KB3270, KB3275	59	0.560
6282980	K32 41mm	KB3270, KB3275	59	0.561
6282982	K32 42mm	KB3270, KB3275	58	0.582
6282984	K32 44mm	KB3270, KB3275	62	0.697
6282986	K32 46mm	KB3270, KB3275	62	0.703
6282988	K32 47mm	KB3270, KB3275	68	0.810
6282990	K32 48mm	KB3270, KB3275	68	0.827
6282992	K32 50mm	KB3270, KB3275	68	0.831
6282994	K32 55mm	KB3270, KB3275	72	1.149
6282996	K32 60mm	KB3270, KB3275	75	1.500
6282998	K32 65mm	KB3270, KB3275	78	1.800

K 32 L

Impact socket set 3/4" hexagon, long pattern

20 **3/4"**

- > 3/4" square drive.
- > With square drive as per DIN 3129.



Code	mm	Recommended Accessories	L	kg
6283600	K32L 17mm	KB3270, KB3275	90	0.490
6283790	K32L 19mm	KB3270, KB3275	90	0.510
6283870	K32L 22mm	KB3270, KB3275	90	0.560
6283950	K32L 24mm	KB3270, KB3275	90	0.580
6284090	K32L 27mm	KB3270, KB3275	90	0.630
6284170	K32L 30mm	KB3270, KB3275	90	0.700
6284250	K32L 32mm	KB3270, KB3275	90	0.740
6286540	K32L 33mm	KB3270, KB3275	90	0.770
6281660	K32L 34mm	KB3270, KB3275	90	0.800
6284330	K32L 36mm	KB3270, KB3275	90	0.850
6284332	K32L 38mm	KB3270, KB3275	90	0.880
6286890	K32L 41mm	KB3270, KB3275	90	0.950
6284336	K32L 46mm	KB3270, KB3275	90	1.080

INK 32

Impact allen key socket set 3/4" for in-hex screws

20 **3/4"**

- > Machine-operated, suitable for all standard electric and air tools.
- > With square drive as per DIN 3121.



Code	mm	Recommended Accessories	L	kg
1956477	INK32 14mm	KB3270, KB3275	59	0.408
1956485	INK32 17mm	KB3270, KB3275	62	0.445
1956493	INK32 19mm	KB3270, KB3275	64	0.467
1956507	INK32 22mm	KB3270, KB3275	67	0.520
1956515	INK32 24mm	KB3270, KB3275	67	0.555

KB 3290

Extensions 3/4" for impact sockets

20 **3/4"**

- > For impact sockets and accessories with 3/4" square drive.



Code	No.	3/4"	20	L	kg
6675550	KB3290/175	3/4	20	175	0.887
6675650	KB3290/250	3/4	20	250	0.917
6675790	KB3290/12"	3/4	20	300	1.300

KB 3221

Converter 3/4" to 1" for impact sockets

20 **3/4"**

- > With square drive as per DIN 3121.



Code	No.	3/4"	20	1"	L	kg	
6671530	KB3221	1	25	3/4	20	65	0.445

KB 3219

Reducer 3/4" to 1/2" for impact sockets

20 **3/4"**

- > With square drive as per DIN 3121.
- > GEDORE special steel, manganese-phosphated.



Code	No.	3/4"	20	1/2"	L	kg	
6675280	KB3219	1/2"	12,5	3/4	20	65	0.351

KB 3295
Universal joint 3/4"



20 **3/4"**

> For impact sockets and accessories with 3/4" square drive.

Code	No.	3/4"	20	3/4"	20	94	kg
6676090	KB3295						0.623

KB 3270 - KB 3275
Safety ring & pin 3/4"
for impact sockets



20 **3/4"**

Code	No.	kg
6675441	KB3270/75 17-50mm	0.020
6675444	KB3270/75 52-60mm	0.020

NEW

K21-21
Impact socket set 1"



25 **1"**

> 1" square drive.
> In accordance with DIN 3129.
> GEDORE special steel, manganese phosphated.
> Supplied in blue powder coated steel box.

Code	No.	Sockets	Extension	kg
6186259	K21-21	K21 27 29 30 32 33 34 36 38 41 42 46 47 48 50 52 55 60 65 70 75 80	KB2190-175 KB2190-250 KB2170/75 19-70mm safety ring & pin KB2170/75 71-90mm safety ring & pin	36.200

K 21 (MM)
Impact sockets 1"
hexagon



25 **1"**

> 1" square drive.
> In accordance with DIN 3129.

Code	mm	Recommended Accessories	L	kg
6183060	K21 22mm	KB 2170, KB 2175	55	0.546
6183140	K21 24mm	KB 2170, KB 2175	55	0.561
6183220	K21 27mm	KB 2170, KB 2175	55	0.593
6183290	K21 29mm	KB 2170, KB 2175	56	0.643
6183300	K21 30mm	KB 2170, KB 2175	57	0.636
6183490	K21 32mm	KB 2170, KB 2175	57	0.649
6183650	K21 33mm	KB 2170, KB 2175	57	1.001
6196980	K21 34mm	KB 2170, KB 2175	60	0.733
6183570	K21 36mm	KB 2170, KB 2175	60	0.781
6184890	K21 38mm	KB 2170, KB 2175	62	0.858
6183730	K21 41mm	KB 2170, KB 2175	64	0.830
6184970	K21 42mm	KB 2170, KB 2175	64	0.900
6183810	K21 46mm	KB 2170, KB 2175	69	1.054
6183820	K21 47mm	KB 2170, KB 2175	70	1.120
6183822	K21 48mm	KB 2170, KB 2175	71	1.200
6184030	K21 50mm	KB 2170, KB 2175	73	1.305
6184034	K21 52mm	KB 2170, KB 2175	74	1.300
6184110	K21 55mm	KB 2170, KB 2175	76	1.533
6184380	K21 60mm	KB 2170, KB 2175	82	1.821
6184460	K21 65mm	KB 2170, KB 2175	85	2.040
6184540	K21 70mm	KB 2170, KB 2175	88	2.479
6184620	K21 75mm	KB 2170, KB 2175	92	3.022
6184700	K21 80mm	KB 2170, KB 2175	97	2.890
6184710	K21 85mm	KB 2170, KB 2175	106	3.852
6184720	K21 90mm	KB 2170, KB 2175	108	3.730
6184725	K21 95mm	KB 2170, KB 2175	108	4.830
6184730	K21 100mm	KB 2170, KB 2175	115	5.625
6184735	K21 105mm	KB 2170, KB 2175	120	6.620

SOCKETS & ACCESSORIES

K 21 L

Impact sockets 1" hexagon, long pattern



25 1"

- > 1" square drive.
- > In accordance with DIN 3121.

Code	mm	Recommended Accessories	L	kg
6185350	K2L 22mm	KB 2170, KB 2175	100	0.934
6185430	K2L 24mm	KB 2170, KB 2175	100	0.958
6185510	K2L 27mm	KB 2170, KB 2175	100	1.007
6185780	K2L 30mm	KB 2170, KB 2175	100	1.076
6185860	K2L 32mm	KB 2170, KB 2175	100	1.135
6197950	K2L 33mm	KB 2170, KB 2175	100	1.123
6197010	K2L 34mm	KB 2170, KB 2175	100	1.169
6185940	K2L 36mm	KB 2170, KB 2175	100	1.221
6186080	K2L 38mm	KB 2170, KB 2175	100	1.325
6186160	K2L 41mm	KB 2170, KB 2175	100	1.393
6186240	K2L 46mm	KB 2170, KB 2175	100	1.621
6186242	K2L 50mm	KB 2170, KB 2175	100	1.947
6186244	K2L 55mm	KB 2170, KB 2175	100	2.100
6186246	K2L 60mm	KB 2170, KB 2175	100	2.253
6186248	K2L 65mm	KB 2170, KB 2175	100	2.723
6186250	K2L 70mm	KB 2170, KB 2175	100	3.005
6186252	K2L 75mm	KB 2170, KB 2175	100	3.303

INK 21

Impact allen key sockets 1" for in-hex screws



25 1"

- > For all standard electric and air tools.
- > With square drive as per DIN 3121.

Code	mm	Recommended Accessories	L	kg
1956548	INK21 17mm	KB 2170, KB 2175	75	0.800
1956558	INK21 19mm	KB 2170, KB 2175	75	0.825
1956566	INK21 22mm	KB 2170, KB 2175	75	0.845
1956574	INK21 24mm	KB 2170, KB 2175	75	0.888
1956582	INK21 27mm	KB 2170, KB 2175	75	0.938

KB 2132

Reducer 1" to 3/4" for impact sockets



25 1"

- > With square drive as per DIN 3121.

Code	No.	3/4"	20	1"	25	mm	kg
6657460	KB2132	3/4"	20	1"	25	77	0.661

KB 2137

Converter 1" to 1.1/2" for impact sockets



25 1"

- > With square drive as per DIN 3121.

Code	No.	1.1/2"	40	1"	25	85	kg
6657890	KB2137	1.1/2"	40	1"	25	85	0.988

KB 2190

Extensions 1" for impact sockets



25 1"

- > For impact sockets and accessories with 1" square drive.

Code	No.	1"	25	mm	kg
6657969	KB2190/175	1"	25	200	1.570
6657975	KB2190/250	1"	25	300	1.750
6658000	KB2190/330	1"	25	400	2.350

KB 2195

Universal joint 1" for impact sockets



25 1"

- > For impact sockets and accessories with 1" square drive.

Code	No.	1"	25	1"	25	136	kg
6658350	KB2195	1"	25	1"	25	136	1.420

KB 2170 - KB 2175
Safety ring & pin 1"
for impact sockets



25 1"

> With square drive as per
DIN 3121.

Code	No.				
6657621	KB2170/75	19-70mm			0.020
6657623	KB2170/75	71-90mm			0.020

K 37
Impact sockets 1.1/2"
hexagon



1 1/2"

> 1.1/2" square drive.
> In accordance with DIN
3129.

Code	Ø mm	Recommended Accessories	L	
6328130	K37 46mm	KB 3770, KB 3775	80	2.260
6328210	K37 50mm	KB 3770, KB 3775	82	2.386
6328220	K37 52mm	KB 3770, KB 3775	85	2.420
6328230	K37 54mm	KB 3770, KB 3775	85	2.450
6328480	K37 55mm	KB 3770, KB 3775	89	2.500
6328560	K37 60mm	KB 3770, KB 3775	92	2.731
6328640	K37 65mm	KB 3770, KB 3775	96	2.901
6328720	K37 70mm	KB 3770, KB 3775	101	3.466
6328800	K37 75mm	KB 3770, KB 3775	105	3.713
6328990	K37 80mm	KB 3770, KB 3775	110	4.252
6329020	K37 85mm	KB 3770, KB 3775	116	5.332
6329100	K37 90mm	KB 3770, KB 3775	118	5.658
6329290	K37 95mm	KB 3770, KB 3775	118	6.372
6329370	K37 100mm	KB 3770, KB 3775	125	6.543
6329450	K37 105mm	KB 3770, KB 3775	125	7.537
6329530	K37 110mm	KB 3770, KB 3775	137	7.959
6329610	K37 115mm	KB 3770, KB 3775	137	8.833

KB 3721
Reducer 1.1/2" to 1"
for impact sockets



25 1"

> With square drive as per
DIN 3121.

Code	No.	1"	25	1.1/2"	40	L	
6676410	KB3721	1	25	1.1/2	40	95	2.580

KB 3790
Extensions 1"
for impact sockets



25 1"

> For impact sockets and
accessories with 1.1/2"
square drive.

Code	No.	1.1/2"	40	L	
6329885	KB3790/175	1.1/2	40	175	4.080
6329888	KB3790/250	1.1/2	40	250	5.200
6329890	KB3790/330	1.1/2	40	330	6.380

KB 3770 - KB 3775
Safety ring & pin 1.1/2"
for impact sockets



25 1"

> With square drive as per
DIN 3121.

Code	No.				
6676762	KB3770/75	46-90mm			0.020
6676764	KB3770/75	95-115mm			0.020

SCREWDRIVERS

The perfect twist: The tightening and loosening of screws is probably one of the most frequent tasks in everyday work. It is therefore all the more important to have a great screwdriver at hand.

GEDORE screwdrivers cover everything from classic slotted and cross-slotted to TX and hexagon allen keys. However, it is not only the product range that is important. It is the composition and quality of the components such as handle, blade and drive make the difference.

Maximum force with minimum effort: This is ensured by ergonomic 3-component handles. Together with the precisely manufactured blade tips, which optimally

transfer the torque to the screw head, giving an unbeatable combination.

The GEDORE screwdriver-range offers some special features such as specific lengths, impact caps or ball heads. The GEDORE SilentGEAR stands for extraordinary design performance. The ratchet screwdriver makes a significant change to the way screws are tightened and loosened with its stepless and silent ratchet mechanism.



POWERFUL PRECISE



TORQUE PINPOINT

- Wide range of screwdrivers for all applications
- Available individually or in practical sets
- Optimised components for best possible results and torque transmission



ERGONOMIC 3-C HANDLES

- Optimal power transmission due to soft quick-turn zone and power point inside the handle
- Ergonomic feel with large contact surface for the hand
- Suitable for small and large hands, right- and left-handers alike



TEMPERED BLADE

- Blade from GEDORE molybdenum-vanadium-plus tempered steel for hardness, elasticity and resistance to wear
- Blade fully tempered for a long service life
- Blade injected as a positive fit into the plastic core and matt chrome-plated
- For optimum power transmission to the the screw head



SCREWDRIVERS

2150
3C Screwdriver
for slotted head screws



- > Acc. to DIN ISO 2380-2, cutting edge according to DIN ISO 2380-1 Form A
- > Ergonomic 3-component handle Power-Grip[®] for maximum power transmission with minimum stress on the hand
- > hanging hole on handle for space-saving storage
- > Type of drive marked at end of the handle

Code	No.				
6679270	2150 3	3,0	80	165	0.030
6679350	2150 4	4,0	100	185	0.061
6679430	2150 5,5	5,5	100	200	0.093
6679510	2150 6,5	6,5	150	260	0.128
6679780	2150 8	8,0	150	270	0.170
6679860	2150 10	10,0	200	320	0.203

2150
3C Screwdriver
for slotted head screws,
special lengths



- > Acc. to DIN ISO 2380-2, cutting edge according to DIN ISO 2380-1 Form B
- > Ergonomic 3-component handle Power-Grip[®] for maximum power transmission with minimum stress on the hand
- > hanging hole on handle for space-saving storage
- > Type of drive marked at end of the handle

Code	No.				
2822709	2150 2,5-75	2,5	75	160	0.055
6680280	2150 3-150	3,0	150	235	0.044
6680360	2150 4-150	4,0	150	235	0.069
6680520	2150 5,5-150	5,5	150	250	0.104
6680870	2150 6,5-200	6,5	200	310	0.152

2153
3C Screwdriver
for slotted head screws,
stubby



- > Acc. to DIN ISO 2380-2A, cutting edge according to DIN ISO 2380-1 Form B
- > Especially suitable for work in confined spaces
- > Ergonomic 3-component handle Power-Grip[®] for maximum power transmission with minimum stress on the hand
- > hanging hole on handle for space-saving storage
- > Type of drive marked at end of the handle




Code	No.				
1482432	2153 5,5	5,5	25	81	0.036

2160 PH

3C Screwdriver
for cross-head screws,
PH



- > Acc. to DIN ISO 8764, tip according to DIN ISO 8764-1 PH
- > Ergonomic 3-component handle Power-Grip³ for maximum power transmission with minimum stress on the hand
- > hanging hole on handle for space-saving storage
- > Type of drive marked at end of the handle




Code	No.	⊕ PH			
6683110	2160 PH 0	0	60	145	0.302
6683380	2160 PH 1	1	80	180	0.080
6683460	2160 PH 2	2	100	210	0.119
6683540	2160 PH 3	3	150	270	0.192

2160 PZ

3C Screwdriver
for cross-head screws,
Pozi PZ



- > Acc. to DIN ISO 8764, tip according to DIN ISO 8764-1 PZ
- > Ergonomic 3-component handle Power-Grip³ for maximum power transmission with minimum stress on the hand
- > hanging hole on handle for space-saving storage
- > Type of drive marked at end of the handle

Code	No.	PZ			
6683970	2160 PZ 0	0	60	145	0.038
6684000	2160 PZ 1	1	80	180	0.079
6684190	2160 PZ 2	2	100	210	0.119
6684270	2160 PZ 3	3	150	270	0.189


2161 PH

3C Screwdriver
for cross-head screws
PH, stubby



- > Acc. to DIN ISO 8764, tip according to DIN ISO 8764-1 PH
- > Ergonomic 3-component handle Power-Grip³ for maximum power transmission with minimum stress on the hand

- > hanging hole on handle for space-saving storage
- > Type of drive marked at end of the handle

Code	No.	⊕ PH			
1531204	2161 PH 2	2	25	81	0.036

WWW.GEDORE.CO.ZA

2163 TX
3C Screwdriver
for recessed TORX®
head screws



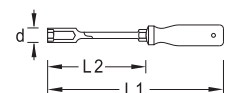
- > Ergonomic 3-component handle Power-Grip³ for maximum power with minimum effort
- > With hanging hole on handle for space-saving storage
- > Type of drive marked at end of the handle

Code	No.				
6685400	2163 TX T6	T6	60	145	0.029
6685590	2163 TX T7	T7	60	145	0.038
6685670	2163 TX T8	T8	60	145	0.038
6685750	2163 TX T9	T9	60	145	0.038
6685830	2163 TX T10	T10	80	165	0.039
6685910	2163 TX T15	T15	80	165	0.054
6686050	2163 TX T20	T20	100	185	0.060
6686130	2163 TX T25	T25	100	200	0.082
6686210	2163 TX T27	T27	115	215	0.098
6686480	2163 TX T30	T30	115	225	0.123
6686560	2163 TX T40	T40	130	240	0.144
6686640	2163 TX T45	T45	130	250	0.176

2133
Nut driver with
3C Handle

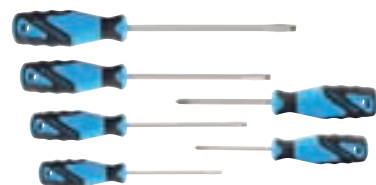


- > Acc. to DIN 3125, ISO 2725-1
- > Ergonomic 3-component handle Power-Grip³ for maximum power with minimum effort
- > With hanging hole on handle for space-saving storage
- > From 10 mm with drive hexagon



Code	No.		L1	L2	d		
1746731	2133 5,5	5,5	225	125	8	-	0.107
1746758	2133 6	6,0	225	125	9	-	0.109
1746766	2133 7	7,0	235	125	11	-	0.135
1746855	2133 8	8,0	235	125	12	-	0.152
1746863	2133 9	9,0	235	125	13	-	0.168
1746898	2133 10	10,0	245	125	14	10	0.198
1746901	2133 11	11,0	245	125	16	13	0.202
1746928	2133 12	12,0	245	125	17	13	0.221
1746944	2133 13	13,0	245	125	18	13	0.225

2150-2160 PH-06 MS
3C Screwdriver set
6 pieces

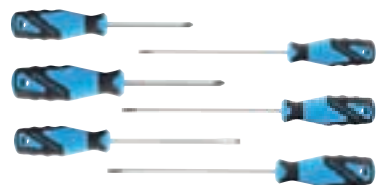


- > Practical set composition in environmentally-friendly cardboard box.
- > For slotted and cross-head screws PH.
- > 3-component handles.
- > Power-Grip³ with hanging hole.
- > Ergonomic handle design enables precise and fatigue-free

- working.
- > Positive-fit joint of handle and blade for optimum transmission of force.
- > Type of drive marked at end of the handle.
- > Blade from GEDORE Molybdenum-Vanadium-Plus tempered steel.

Code	No.	Contents	Pieces	
1482319	2150-2160 PH-06	2150, 4 5.5 6.5 8 mm 2160, PH, 1, 2	6	0.660

2150-2160 PH-06 ELS
3C Screwdriver set
6 pieces

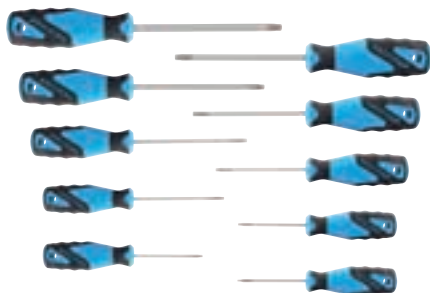


- > Practical set composition in environmentally-friendly cardboard box.
- > For slotted and cross-head screws PH.
- > 3-component handles.
- > Power-Grip³ with hanging hole.
- > Ergonomic handle design enables precise and fatigue-free

- working.
- > Positive-fit joint of handle and blade for optimum transmission of force.
- > Type of drive marked at end of the handle.
- > Blade from GEDORE Molybdenum-Vanadium-Plus tempered steel.

Code	No.	Contents	Pieces	
1482320	2150-2160 PH-06 ELS	2150, 6.5 3-150 4-150 6.5-200 mm 2160, PH, 1, 2	6	0.660

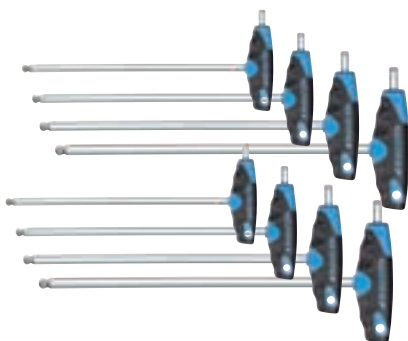
2163 TX
3C TORX® Screwdriver set
10 pieces



- > Practical set composition in environmentally-friendly cardboard box.
 - > For recessed TORX® head screws.
 - > 3-component handles.
 - > Power-Grip³ with hanging hole.
 - > Ergonomic handle design enables precise and fatigue-free working.
- > Positive-fit joint of handle and blade for optimum transmission of force.
 - > Type of drive marked at end of the handle.
 - > Blade from GEDORE Molybdenum-Vanadium-Plus tempered steel.
 - > TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA.

Code	No.	Contents	Pieces	
1482335	2163TX	2163, T7 T8 T9 T10 T15 T20 T25 T27 T30 T40	10	0.740

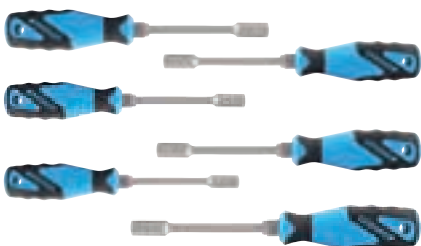
DT 2142-008
3C Hexagon allen key set
8 pieces



- > With 2 hexagons, same size each end.
 - > 2C-T handle.
 - > Soft component made from thermoplastic elastomer.
 - > Hard component made from fibre glass reinforced plastic.
 - > With hanging hole.
 - > GEDORE vanadium steel 61CrSiV5.
- > Positive-fit joint of handle and blade for optimum transmission of force.
- *WHILE STOCKS LAST

Code	No.	Contents	Pieces	
3037371	DT2142-008*	2142, 2 2,5 3 4 5 6 8 10	8	0.970

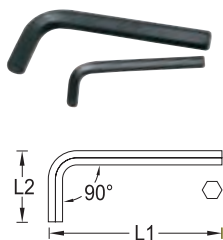
2133
3C Nut driver sets
for hexagon nuts



- > Acc. to DIN 3125, ISO 2725-1.
 - > 3-component handles.
 - > Soft component made from thermoplastic elastomer.
 - > Hard component made from fibre glass reinforced plastic.
- > With hanging hole.
 - > GEDORE molybdenum-vanadium steel.
 - > Head depth 25mm, blade length 125mm.

Code	No.	Contents	Pieces	
1746947	2133-06S	2133 5,5 6,0 7,0 8,0 9,0 10,0	6	0.648
1746946	2133-06L	2133 8,0 9,0 10,0 11,0 12,0 13,0	6	0.937
1746948	2133-09	2133 5,5 6,0 7,0 8,0 9,0 10,0 11,00 12,00 13,00	9	1.300

42 (MM)
Hexagon allen keys
for hexagon screws



- > For hexagon socket head bolts.
- > Chrome Vanadium steel 59CrV4.
- > Gunmetal finish.
- > Short series.
- > In accordance with SANS 1210 and DIN 911.

Code	No.		L1	L2	
6342200	42 0,7	0,7	33	7	0.001
6342390	42 0,9	0,9	33	11	0.001
6342470	42 1,3	1,3	41	13	0.001
6340260	42 1,5	1,5	46,5	15,5	0.001
6340340	42 2	2,0	52	18	0.002
6340420	42 2,5	2,5	58,5	20,5	0.004
6340500	42 3	3,0	66	23	0.006
6340690	42 4	4,0	74	29	0.011
6340770	42 5	5,0	85	33	0.019
6340850	42 6	6,0	96	38	0.031
6340930	42 7	7,0	102	41	0.044
6341070	42 8	8,0	108	44	0.061
6341150	42 9	9,0	114	47	0.081
6341230	42 10	10,0	122	50	0.106
6341231	42 11	11,0	129	53	0.108
6341310	42 12	12,0	137	57	0.169
6341580	42 14	14,0	154	70	0.266
6341660	42 17	17,0	177	80	0.430
6341740	42 19	19,0	180	87	0.620
6341820	42 22	22,0	200	95	0.950
6341900	42 24	24,0	224	110	1.250
6342550	42 27	27,0	224	110	1.760

42 (AF)
Hexagon allen keys
for hexagon screws



- > For hexagon socket head bolts.
- > Chrome Vanadium steel 59CrV4.
- > Gunmetal finish.
- > Short series.
- > In accordance with SANS 1210 and DIN 911.

Code	No.	L	
6342040	42 1/16 AF	45	0.001
6342041	42 5/64 AF	50	0.002
6344330	42 3/32 AF	53	0.003
6344410	42 1/8 AF	59	0.005
6344411	42 9/64 AF	62	0.007
6344680	42 5/32 AF	65	0.009
6344760	42 3/16 AF	72	0.015
6344840	42 7/32 AF	78	0.020
6344920	42 1/4 AF	84	0.030
6345060	42 5/16 AF	97	0.055
6345140	42 3/8 AF	110	0.090
6345141	42 7/16 AF	114	0.140
6345220	42 1/2 AF	122	0.190
6345300	42 9/16 AF	136	0.270
6345490	42 5/8 AF	146	0.360
6345491	42 11/16 AF	156	0.420
6345570	42 3/4 AF	175	0.600
6345571	42 7/8 AF	195	0.900
6345572	42 1 AF	218	1.400

42 (MM) (AF)

Hexagon allen key sets



42-88M

> Most used sizes in a set

*WHILE STOCKS LAST

Code	No.	Contents	Pieces	
6347510	42-7M	2 2,5 3 4 5 6 8	7	0.200
6349050	42-8M	3 4 5 6 8 10 12 14	8	0.700
6349051	42-88M	2 2,5 3 4 5 6 8 10	8	0.300
6349052	42-100M	2 2,5 3 4 5 6 7 8 9 10	10	0.400
012112	42-22M*	0,7 0,9 1,3 1,5 2 2,5 3 4 5 6 7 8 9 10 11 12 14 16 17 19 22 24	22	6.200
6349053	42-88P	3/32" 1/8" 5/32" 3/16" 7/32" 1/4" 5/16" 3/8"	8	0.200
6348910	42-9P	1/16" 5/64" 3/32" 1/8" 5/32" 3/16" 1/4" 5/16" 3/8"	9	0.300

42L (MM)

Hexagon allen keys for hexagon socket head bolts, long pattern



- > For hexagon socket head bolts.
- > Chrome Vanadium steel 59CrV4.
- > Gunmetal finish.
- > Long pattern for use in hard to access areas.
- > Cranked shaft, resulting in a lever effect during tightening or loosening operation.

Code	No.	L	
6350809	42L-1,5	90	0.002
6350810	42L-2	100	0.003
6351030	42L-2,5	112	0.005
6351110	42L-3	125	0.008
6351380	42L-4	142	0.020
6351460	42L-5	163	0.030
6351540	42L-6	184	0.050
2977486	42L-7	194	0.070
6351620	42L-8	205	0.100
6351621	42L-9	216	0.140
6351700	42L-10	231	0.180
6351890	42L-11	244	0.240
6351891	42L-12	259	0.290
6351970	42L-14	290	0.445
6351971	42L-17	333	0.600

42L

Hexagon allen key sets, long pattern



> Most used sizes in a set

*WHILE STOCKS LAST

Code	No.	Contents	Pieces	
6351974	42L-7M*	2 2,5 3 4 5 6 8	7	0.200
6351975	42L-9M	1,5 2 2,5 3 4 5 6 8 10	9	0.400
6351976	42L-14M	1,5 2 2,5 3 4 5 6 7 8 9 10 11 12 14	14	2.200

42KL

Hexagon allen key sets, for in-hex screws



- > Hexagon socket key with ball end.
- > Chrome Vanadium steel 59CrV4.
- > Gunmetal finish.

*WHILE STOCKS LAST

Code	No.	Contents	Pieces	
6351977	42KL-7M*	1,5 2 2,5 3 4 5 6	7	0.250
6351978	42KL-9M	1,5 2 2,5 3 4 5 6 8 10	9	0.395
6351979	42KL-7P	3/64" 1/16" 5/64" 3/32" 1/8" 1/4" 5/32"	7	0.300

42T

Hexagon allen key sets, long pattern



- > Chrome Vanadium steel 59CrV4.
- > Blackened finish and blue polypropylene handle.
- > T-shaped handle, making tightening or loosening operations easier for users.

Code	No.	L	
2647257	42T-2	140	0.035
2647265	42T-2,5	152	0.040
2647273	42T-3	165	0.045
2647281	42T-4	182	0.055
2647303	42T-5	200	0.070
2647311	42T-6	220	0.090
2681439	42T-7	230	0.130
2667846	42T-8	240	0.150
2647338	42T-10	264	0.230

SCREWDRIVERS

42SCL

Hexagon allen key sets, for in-hex screws



- > Chrome Vanadium steel 59CrV4.
- > Blackened finish and blue polypropylene holder.
- > Easy to handle.
- > Indispensable pocket set for electricians.

*WHILE STOCKS LAST

Code	No.	Contents	Pieces	
6351972	42SCL-6M	3 4 5 6 8 10	6	0.170
6351973	42SCL-7M*	2 2,5 3 4 5 6 8	7	0.175

43TX

Cranked socket keys, for recessed TORX® screws



- > Made from Chrome Vanadium steel 59CrV4.
- > L-shaped.
- > Long pattern for use in hard to access areas.
- > Gunmetal finish.

Code	No.				
6363550	43 TX-T6	M2	1,67	42	0.004
6363630	43 TX-T7	M2,5	1,99	48	0.005
6363710	43 TX-T8	M2,5	2,31	48	0.005
6363980	43 TX-T9	M3	2,50	48	0.005
6364010	43 TX-T10	M3-M3,5	2,74	51	0.008
6364280	43 TX-T15	M3,5-M4	3,27	54	0.008
6364360	43 TX-T20	M4-M5	3,86	57	0.011
6364440	43 TX-T25	M4,5-M5	4,43	60	0.014
6364520	43 TX-T27	M4,5-M5-M6	4,99	64	0.022
6364600	43 TX-T30	M6-M7	5,52	70	0.029
6364790	43 TX-T40	M7-M8	6,65	76	0.041
6364870	43 TX-T45	M8-M10	7,82	83	0.061
6364950	43 TX-T50	M10	8,83	95	0.087
6365090	43 TX-T55	M12	11,22	108	0.176
6365170	43 TX-T60	M14	13,25	120	0.180

TORX® = Registered trademark of Acument Intellectual Properties, LLC. USA.

43TX

Cranked socket key sets, for recessed TORX® screws



- > Chrome Vanadium steel 59CrV4.
- > Gunmetal finish.
- > Supplied in plastic wallet.

Code		Contents	
6360959	43TX-08 Plastic Holder	T9 T10 T15 T20 T25 T27 T30 T40	0.090

TORX® = Registered trademark of Acument Intellectual Properties, LLC. USA.

43KTX

Cranked socket keys, for recessed TORX® screws, with ball end



- > Made from Chrome Vanadium steel 59CrV4.
- > L-shaped.
- > Cranked shaft, resulting in a lever effect during tightening or loosening operation.
- > Blackened finish.

Code		Contents	
6367897	43KTX-8M	T9 T10 T15 T20 T25 T27 T30 T40	0.130

TORX® = Registered trademark of Acument Intellectual Properties, LLC. USA.

43TXL

Cranked socket keys, for recessed TORX® screws



- > Made from Gedore Chrome Vanadium steel 59CrV4
- > L-shaped.
- > Long pattern for use in hard to access areas.
- > Gun-metal finish.

*WHILE STOCKS LAST

Code	No.	M	mm	mm	kg
6367106	43 TXL-T6*	M2	1,67	90	0.007
6367107	43 TXL-T7*	M2,5	1,99	100	0.007
6367108	43 TXL-T8*	M2,5	2,31	110	0.007
6367109	43 TXL-T9*	M3	2,50	124	0.008
6367110	43 TXL-T10*	M3-M3,5	2,74	138	0.010
6367380	43 TXL-T15*	M3,5-M4	3,27	158	0.020
6367460	43 TXL-T20*	M4-M5	3,86	178	0.020
6367540	43 TXL-T25*	M4,5-M5	4,43	190	0.030
6367620	43 TXL-T27*	M4,5-M5-M6	4,99	200	0.050
6367700	43 TXL-T30*	M6-M7	5,52	210	0.060
6367890	43 TXL-T40*	M7-M8	6,65	215	0.085
6367891	43 TXL-T45*	M8-M10	7,82	224	0.110
6367892	43 TXL-T50*	M10	8,83	232	0.185
6367893	43 TXL-T55*	M12	11,22	248	0.200
6367894	43 TXL-T60*	M14	13,25	278	0.415

TORX® = Registered trademark of Acument Intellectual Properties, LLC. USA.

43TXL

Cranked socket key sets, for recessed TORX® screws



- > L-shaped.
- > Long pattern for use in hard to access areas.

Code	mm	Contents	kg
6367896	43TXL 15*	T6 T7 T8 T9 T10 T15 T20 T25 T27 T30 T40 T45 T50 T55 T60	1.200

TORX® = Registered trademark of Acument Intellectual Properties, LLC. USA.

43TV

TORX® gauge tester



- > Easy determination of internal or external TORX® sizes

*WHILE STOCKS LAST

Code	No.	kg
024700	43 TV*	0.023

TORX® = Registered trademark of Acument Intellectual Properties, LLC. USA.

687 / 690

Screwdriver bits



- > 687 For TORX® screws.
- > 690 For Phillips and POZIDRIV® screws.
- > Manufactured from high quality Molybdenum tool steel.
- > Gun metal finish.

*WHILE STOCKS LAST

Code	No.	M	mm	mm	kg
654183	687 TX - T6*	M2	1,67	25	0.005
654191	687 TX - T7*	M2,5	1,99	25	0.005
654205	687 TX - T8*	M2,5	2,31	25	0.005
654213	687 TX - T9*	M3	2,50	25	0.005
654221	687 TX - T10*	M3-M3,5	2,74	25	0.005
654248	687 TX - T15*	M3,5-M4	3,27	25	0.005
654256	687 TX - T20*	M4-M5	3,86	25	0.005
654264	687 TX - T25*	M4,5-M5	4,43	25	0.005
654272	687 TX - T27*	M4,5-M5-M6	4,99	25	0.005
654280	687 TX - T30*	M6-M7	5,52	25	0.005
654299	687 TX - T40*	M7-M8	6,65	25	0.005
654124	690 PH 1*			25	0.005
654132	690 PH 2*			25	0.005
655279	690 PZD - 1*			25	0.005
655287	690 PZD - 2*			25	0.005

TORX® = Registered trademark of Acument Intellectual Properties, LLC. USA.

POZIDRIV® = Registered Trademark of GKN Fasteners.

PLIERS

A firm grip on everything: you have to be able to rely on pliers. They should grip securely, easy to use, last as long as possible and not damage the workpiece. The functionality, quality and user-friendliness of a pair of pliers are determined not only by the design, but above all by the manufacturing process.

GEDORE pliers are forged in our own factories and manufactured at GEDORE Austria - the competence centre for pliers. The current range extends from the smallest telephone pliers to the largest pipe wrenches, and using GEDORE pliers is guaranteed to pay off.

High cutting performance, extreme strength and reliable surface protection are the results of many years of forging expertise and processes such as oil hardening and inductive post-hardening.

In the application, the interplay of perfect cutting edge geometry, optimised joints and ergonomic handles make all the difference. The GEDORE power pliers range is outstanding in every respect: maximum power transmission with minimum effort.



POWER PLIERS - GEDORE POWER PLIERS



- Inlaid joint for optimum power transmission
- Maximum leverage due to shifting of the pivot point
- 35% less force required with higher cutting and clamping performance

RING LEADER



THE FULL PROGRAMME

- Wide range of pliers for specialists and artisans
- For wire classes from soft and medium-hard to hard and piano wire
- Available individually or in practical sets

i POWER COMBINATION PLIERS

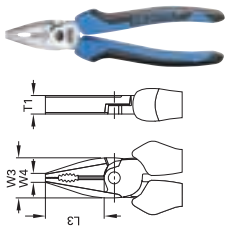
Power pliers: The effort required in using them is down 35 % on account of the pivot transferred to the front and the resulting lengthened lever.



- 1 Gripping surface with file-cut for a particularly effective hold
- 2 Roughly toothed gripping surfaces for securely holding screws, pipes etc.
- 3 Maximum cutting performance yet with a low level of effort expended thanks to an optimum interaction of cutting geometry, eccentric rivet bearing and ergonomic handle design.
- 4 Inductively hardened cutting edges (62 - 64 HRC) ensure constant cutting power over a long time span.
- 5 High-grade 2-component handles with finger protection enable work to be done ergonomically and to the exclusion of tiredness

8250

Power combination pliers

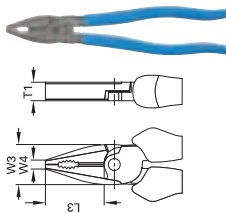


- > For heavy continuous use
- > High leverage for easier work
- > Induction hardened precision cutting edges, extra long, cutting edge hardness 62 - 64 HRC
- > For round and flat material

Code	No.	L	L3	W3	W4	T1	
6707070	8250-180 JC	180	38	25,6	6,5	11,0	0.282
6707310	8250-200 JC	200	39,5	27,0	6,5	12,4	0.360

8250-225 TL

Power combination pliers



- > For heavy, continuous use.
- > Good lever action for easy cutting.
- > Induction hardened precision cutting edge.
- > Hardness approximately 63HRC.
- > To cut all wire types, including piano wire.
- > DIN ISO 5756.

Code	No.	L	L3	W3	W4	T1	
6708040	8250-225 TL	225	42,2	27,7	6,5	13,0	0.351

8260

Fencing pliers



- > For heavy duty, continuous use.
- > CrV material.
- > Hardened and tempered.
- > Cutting edges induction hardened.

Code	No.	L	
670250	8260-250	250	0.570
670300	8260-300	310	0.930

8280 E-200

VDE combination Linesman pliers



- > Surface finish: Phosphated and polished.
- > Induction-hardened precision cutting edges: hardness 62-64 HRC.
- > Gedore Vanadium steel 31CrV3.
- > Crimp profile for wire up to 10mm².
- > Up to 1000V
- > Sleeves in flame retardant polymer.
- > Ergonomic sleeves with rounded edges and texture to avoid slipping.

Code	No.	L	Safety (Up to)	
029450	8280 E-200	250	1000V	0.365

i POWER SIDE CUTTER



1

Inductively hardened cutting edges (63 - 65 HRC) ensure constant cutting power over a long time span.

2

Maximum cutting performance yet with a low level of effort expended thanks to an optimum interaction of cutting geometry, eccentric rivet bearing and ergonomic handle design.

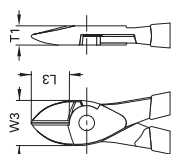
8316 Power side cutters



JC



TL

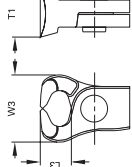


- > Good lever action for easy cutting
- > For hard wire/piano wire
- > Max. cutting performance 1,4 - 2,0 mm
- > Induction hardened cutting edges 63 - 65 HRC
- > Highest cutting performance with less effort

*WHILE STOCKS LAST

Code	No.	L	L3	W3	T1	Ø	kg
6711930	8316-140 TL*	140	17	22,0	9,5	1,4	0.146
6744190	8316-140 JC	140	17	22,0	9,5	1,4	0.175
6744510	8316-160 JC	160	19	24,5	10,0	1,6	0.236
6745080	8316-200 JC	200	22	28,0	11,0	2,0	0.340

8380 Tower pincer

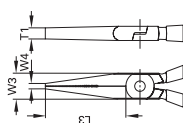


- > Heavy-duty wire braid and mesh-cutting pincers
- > Induction-hardened precision cutting edges, hardness 61 - 63 HRC
- > For medium-hard wire 1.6 mm

*WHILE STOCKS LAST

Code	No.	L	L3	W3	T1	kg
6752020	8380-225 TL*	230	16	31,0	22,0	0,358
6752100	8380-250 TL	250	16	35,0	25,0	0,423

8120 Flat nose pliers

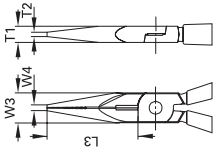


- > With long jaws, serrated gripping faces
- > For holding and bending

Code	No.	L	L3	W3	W4	T1	kg
6715170	8120-160 JC	160	51	16,5	3,4	9,0	0.170
6710370	8120-160 TL	160	51	16,5	3,4	9,0	0.133

PLIERS

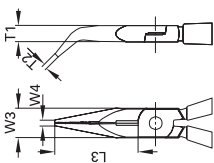
8132 Telephone pliers



- > Long, flat-round jaws, straight gripping faces, serrated
- > For holding, gripping, bending and cutting
- > Induction-hardened precision cutting edges, hardness 61 - 63 HRC

Code	No.	L	L3	W3	W4	T1	T2	
6718860	8132-140 JC	140	42	15,0	2,5	7,8	2,0	0.125
6710610	8132-140 TL	140	42	15,0	2,5	7,8	2,0	0.104
6719240	8132-160 JC	160	50	16,5	3,2	9,0	2,5	0.166
6719670	8132-200 JC	200	75,7	18,5	3,7	9,5	2,8	0.225

8132 AB Telephone pliers, with cutting edge, serrated, straight pattern



- > Long, flat-round jaws, straight gripping faces, serrated
- > tips 45° angled
- > Induction-hardened precision cutting edges, hardness 61 - 63 HRC

*WHILE STOCKS LAST

Code	No.	L	L3	W3	W4	T1	T2	
6720920	8132 AB-160 JC	160	46	16,5	3,2	9,0	2,5	0.163
6711180	8132 AB 160 TL*	160	46	16,5	3,2	9,0	2,5	0.125
6721300	8132 AB-200 JC	200	70,5	18,5	3,7	9,5	2,8	0.225
6711260	8132 AB-200 TL*	200	70,5	18,5	3,7	9,5	2,8	0.190

i MULTIPLE PLIERS



1

Gripping faces with filecut for safe holding

2

Stripping of wire sizes 0.5/1.5/2.5 mm²

3

Squeezing of insulated flat plugs 1.0-2.5 mm²

4

Cutting edge induction hardened (62 - 64 HRC)

5

Crimping of conductor endsleeves 0.5-2.5 mm²

8133 Multiple pliers



- > Holding, cutting, insulation-stripping, crimping, squeezing
- > Flat-round jaws, straight gripping faces, serrated
- > Induction-hardened precision cutting edges, hardness 62 - 64 HRC
- > For medium-hard wire 1.6 mm

Code	No.	L	
6722110	8133-180 JC	180	0.180

8136

Mechanic's pliers,
without wire cutter,
straight pattern



- > According to DIN ISO 5745.
- > Flat-round tapered jaws, cross-hatched gripping surfaces.
- > For holding, gripping and bending.
- > Fine-tipped nose, for safe work in confined spaces.
- > Gedore special hardened and tempered steel, drop-forged, oil-hardened and annealed.

Code	No.	L	
6722890	8136 - 200TL	200	0.178

S 8003 JC

Pliers set
3 pieces



- > Practical set composition

Code	No.	Contents	Pieces	
6701110	S 8003 JC	Flat nose pliers No. 8132-160 JC, 160 mm, -component handle Power combination pliers No. 8250-180 JC, 180 mm, 2-component handle Power side cutter No. 8316-160 JC, 160 mm, 2-component handle	3	0.766

S 8303 JC

Pliers set
3 pieces



- > Practical set composition

*WHILE STOCKS LAST

Code	No.	Contents	Pieces	
6703160	S 8303 JC*	Universal pliers No. 142 10 JC, 10", 15-way adjustable, 2-component handle Power combination pliers No. 8250-180 JC, 180 mm, 2-component handle Power side cutter No. 8316-160 JC, 160 mm, 2-component handle	3	1.005

S 8393 JC

Pliers set
3 pieces



- > Practical set composition

Code	No.	Contents	Pieces	
3012859	S 8393	10" water pump pliers No. 142 10 TL Power combination pliers No. 8250-200 JC, 200 mm 2C handle Power side cutters No. 8314-180 JC, 180 mm 2C handle	3	1.066

1102-003

Pliers set
3 pieces



- > Practical set composition
- > In GEDORE L-BOXX® Mini, incl. divider set

*WHILE STOCKS LAST

Code	No.	Contents	Pieces	
1692305	1102-003*	Flat nose pliers No. 8132-160 JC, 160 mm 2C handle Power combination pliers No. 8250-180 JC, 180 mm 2C handle Power side cutters No. 8316-180 JC, 180 mm 2C handle	3	0.940

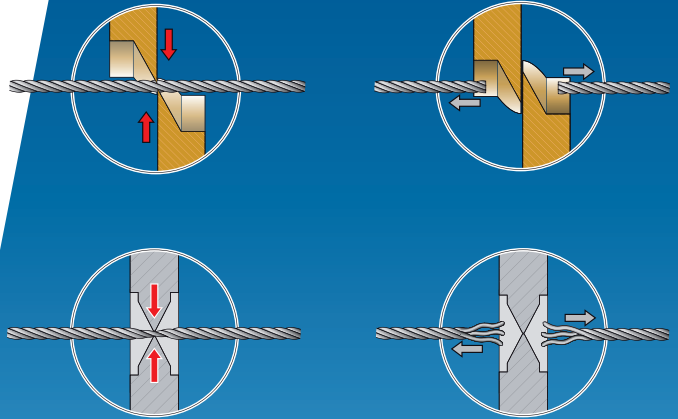
i SAFE CUT

WIRE ROPE CUTTER

- Shearing cut - the cutting plates slide past each other and in this way dissect the material.
- The wire rope is cleanly cut and retains its circular crosssection. It does not fan out.

BOLT CUTTER

- Notch cut; the cutters press into the material and create a notch. The material is compacted and thus separated.
- The wire rope is compressed and thus loses its circular crosssection at the cut. The wire rope fans out as a result.



SPLICING

The old seafaring ability to separate the rope into its individual strands so as to then braid them into a loop or lengthen the rope with another rope without knotting.

FANNING OUT

Fanning out - that is separating off into individual strands - is not wanted when cutting wire ropes. It is a very laborious business to splice wire ropes. That is why more up-to-date ways are available to incorporate loops in wire ropes. However, they require a smooth cut without any spliced strands.

8320 JC Wire rope cutters

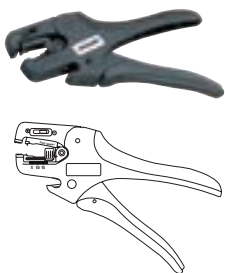


- > Easy-to-change cutting plates
- > Extremely soft shearing cut reliably prevents the wire rope from fanning out
- > Specially arched cutting edges
- > Hardness 62 - 65 HRC
- > 2 integrated press profiles for Bowden cable end caps and Bowden cable sheath end caps
- > Wire ropes up to 1800 N/mm² with max. 6 mm Ø (e.g. stainless steel wire ropes, wire ropes with steel and textile cables, Bowden cables, shrouds)
- > Wire up to 750 N/mm² with max. 4 mm Ø (e.g. nails/wire pins, screws, bolts, ceiling hangers)
- > Single and multicore copper and aluminium cables with max. 6 mm Ø
- > Adjustable joint for precise cutting plate guidance
- > Latch to prevent unwanted opening

*WHILE STOCKS LAST

Code	No.	L	
2788799	8320-200 JC*	200	0,48

8146 Wire stripper, self adjusting



- > With flat blade
- Stripping capacity:**
- > No. 8146-1 with flat blade: 0.02-10 mm²/AWG 34-8 (for PVC insulation)
- > No. 8146-2 with circular blade: 4-16 mm²/AWG 10-5
- > No. 8146-3 with V-blade: PTFE 0.1-4mm²/AWG 28-12 (for all insulations)
- > Flexible Leiter bis zu 10 mm²/AWG 8
- > Rigid wires up to 1.5 mm² / AWG 16

*WHILE STOCKS LAST

Code	No.	Designation	mm ²	AWG	
1830805	8146*	Stripping pliers incl. module insert 8146-1	0,02-10	34-8	0.18
1830813	8146-1*	Module insert with flat blade	0,02-10	34-8	0.015
1830821	8146-2*	Module insert with round blade	4-16	10-5	0.016

8147
Heavy-duty cable stripping tool



- > Professional wire stripping tool with 2 cable hooks
- > For cables (up to 40 mm Ø) with any kind of insulation
- > Possibility to lock the blade in one of 3 positions (circular, straight or spiral cuts)
- > Cable capacity: 4.5 - 40 mm Ø
- > Insulation thickness: up to 4.5 mm

*WHILE STOCKS LAST

Code	No.	Ø		
1830856	8147*	4,5-40 mm		0.196

Code	No.			
1884719	E-8147*			0.002

8148
Precision stripping tool



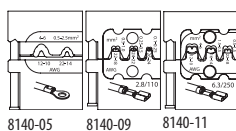
- > Precision adjustment of cutting depth (adjuster wheel with 9 positions)
- > Replaceable blade
- > Stripping capacity: 2.5 - 11 mm
- > Insulation thickness: up to 1.0 mm

*WHILE STOCKS LAST

Code	No.	Ø	L	
1830864	8148*	2,5 - 11 mm	90,5	0.043

Code	No.			
1884727	E-8148*			0.002

S 8140 A
Crimping plier set, automotive

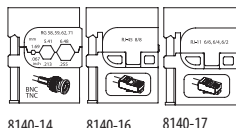


- > Practical set made up for specific requirements in automotive engineering.
- > Ideal for high-standard crimping.
- > Can be individually upgraded by purchasing additional module inserts.
- > Module inserts changeable without tools.
- > In practical blister packaging.

*WHILE STOCKS LAST

Code	No.	Contents	Pieces	
1830910	S 8140 A*	8140 8140 - 09 - 05 - 11	4	0.754

S 8140 D
Crimping plier set, data com

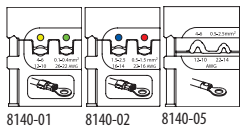


- > Practical set made up for specific requirements in data-communications installations.
- > Ideal for high-standard crimping.
- > Can be individually upgraded by purchasing additional module inserts.
- > Module inserts changeable without tools.
- > In practical blister packaging.

*WHILE STOCKS LAST

Code	No.	Contents	Pieces	
1830937	S 8140 D*	8140 8140 - 14 - 16 - 17	4	0.711

S 8140 E
Crimping plier set,
electronic

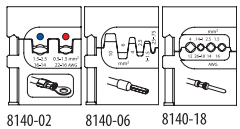


- > Practical set made up for specific requirements for electricians.
- > Ideal for high-standard crimping.
- > Can be individually upgraded by purchasing additional module inserts.
- > Module inserts changeable without tools.
- > In practical blister packaging.

*WHILE STOCKS LAST

Code	No.	Contents	Pieces	kg
1830899	S 8140 E*	8140 8140 - 01 - 02 - 05	4	0.76

S 8140 J
Crimping plier set,
industrial

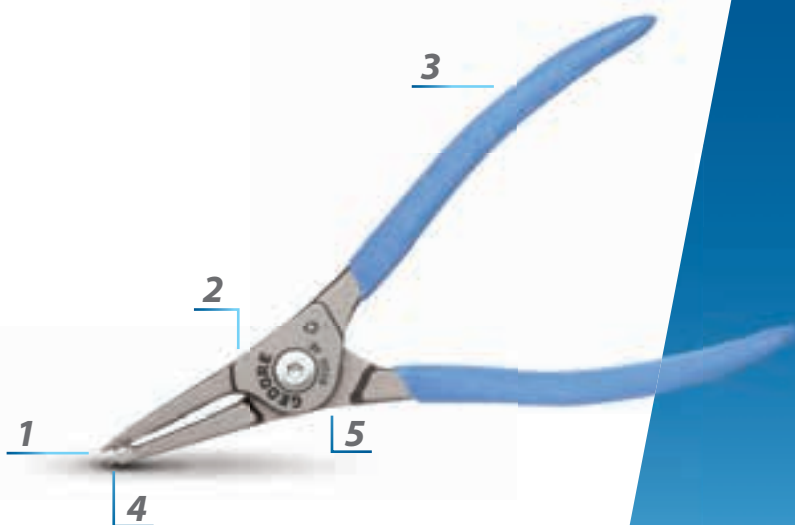


- > Practical set made up for specific requirements in industrial maintenance.
- > Ideal for high-standard crimping.
- > Can be individually upgraded by purchasing additional module inserts.
- > Module inserts changeable without tools.
- > In practical blister packaging.

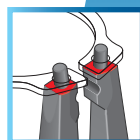
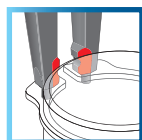
*WHILE STOCKS LAST

Code	No.	Contents	Pieces	kg
1830929	S 8140 J*	8140 8140 - 02 - 06 - 18	4	0.752

i CIRCLIP PLIERS



Available with blue dipped handle protection from 2021! Please contact us.



1

- Flattened tip mounting makes it easier to get to the safety ring eyelets
- Secure tip thanks to keyed press-fixing in the pliers head
- With no retaining groove in the tips, the safety ring cannot be inadvertently bent and it remains absolutely flat. In addition no weakening of the tips from a retaining groove (notching-induced rated breaking point).
- Large contact surface for the safety ring stops it becoming twisted

2

Precision, screwed joint. The screw ensures ease in re-adjusting the pliers legs.

3

Contoured anti-slip handles stop your hands from slipping

4

Wear-resistant and accurate! - The hardened and specially inserted tip is of high-grade roller bearing steel and absolutely cylindrical.

5

A secure internal spring makes work easier with circlip pliers

8000 A0 - A4 - STRAIGHT

Circlip pliers for external retaining rings, form A



- > For retaining rings as per DIN 471, DIN 983.
- > DIN 5254 Form A.
- > Straight tips.
- > With opening spring.
- > With clamping protection.
- > Forged Gedore Chrome Vanadium special hardened and tempered steel.
- > Precision machined, oil hardened and annealed.
- > Black, with red dipped handles.

Code	No.	mm	inch	L	kg
6701380	8000 A 0	3-10	5/32-3/8	141	0.096
6701460	8000 A 1	10-25	3/8-1	141	0.098
6701540	8000 A 2	19-60	3/4-2.3/8	182	0.186
6701620	8000 A 3	40-100	1.5/8-4	230	0.310
6701700	8000 A 4	85-140	3.3/8-5.1/2	320	0.555

8000 A01 - A41 - BENT

Circlip pliers for external retaining rings, form B



- > For retaining rings as per DIN 471, DIN 983.
- > DIN 5254 Form B.
- > 90° angled tips.
- > With opening spring.
- > With clamping protection.
- > Forged Gedore Chrome Vanadium special hardened and tempered steel.
- > Precision machined, oil hardened and annealed.
- > Black, with red dipped handles.

Code	No.	mm	inch	L	kg
6702270	8000 A 01	3-10	5/32-3/8	130	0.097
6702350	8000 A 11	10-25	3/8-1	130	0.097
6702430	8000 A 21	19-60	3/4-2.3/8	170	0.182
6702510	8000 A 31	40-100	1.5/8-4	210	0.317
6702780	8000 A 41	85-140	3.3/8-5.1/2	305	0.563

8000 A5 - STRAIGHT

Circlip pliers for external retaining rings



- > Straight tips.
- > Black, tips and lock lever zinc plated.
- > The toothed bracket stops the plier legs from straddling beyond the permitted working area.
- > This ensures safe working even in concealed fitting positions.
- > Locking pin can be replaced.
- > Non-crush type release lever with handle recesses, red dip insulated.
- > Precision machined, oil hardened and annealed.
- > E-8000 A = pair of spare tips.

Code	No.	mm	inch	L	kg
6701890	8000 A 5	122-300	4.13/16-11.7/8	550	1.900

Code	No.	kg
5701840	E-8000 A 5 Spare Tips	0.072

8000 A 51 - BENT

Circlip pliers for external retaining rings



- > 90° angled tips.
- > Tips and lock lever zinc plated.
- > Lever handle end red dip insulated.
- > Finger protection.
- > Reinforced safety arms.
- > Precision machined, oil hardened and annealed.
- > E-8000 A = pair of spare tips.

Code	No.	mm	inch	L	kg
6702860	8000 A 51	122-300	4.13/16-11.7/8	560	1.898

Code	No.	kg
5702810	E-8000 A 51 Spare Tips	0.112

PLIERS

8000 J0 - J4 - STRAIGHT

Circlip pliers for internal retaining rings, form C



- > For retaining rings as per DIN 472, DIN 984.
- > DIN 5256 Form C.
- > Straight tips.
- > Forged Gedore Chrome Vanadium special hardened and tempered steel.
- > Precision machined, oil hardened and annealed.
- > Black, with blue dipped handles.

Code	No.	mm	inch	L	kg
6703240	8000 J 0	8-13	3/8-9/16	141	0.080
6703320	8000 J 1	12-25	3/8-1	141	0.081
6703400	8000 J 2	19-60	3/4-2.3/8	183	0.164
6703590	8000 J 3	40-100	1.5/8-4	230	0.281
6703670	8000 J 4	85-140	3.3/8-5.1/2	322	0.472

8000 J 01 - J 41 - BENT

Circlip pliers for internal retaining rings, form D



- > For retaining rings as per DIN 472, DIN 984
- > DIN 5256 Form D.
- > 90° angled tips.
- > Forged Gedore Chrome Vanadium special hardened and tempered steel.
- > Precision machined, oil hardened and annealed.
- > Black, with blue dipped handles.

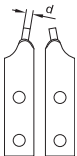
Code	No.	mm	inch	L	kg
6704130	8000 J 01	8-13	3/8-9/16	129	0.080
6704210	8000 J 11	12-25	3/8-1	129	0.082
6704480	8000 J 21	19-60	3/4-2.3/8	169	0.161
6704560	8000 J 31	40-100	1.5/8-4	214	0.279
6704640	8000 J 41	85-140	3.3/8-5.1/2	292	0.484

8000 J5 - STRAIGHT

Circlip pliers for internal retaining rings



- > Straight tips.
- > Black, tips and lock lever zinc plated.
- > The toothed bracket stops the plier legs from straddling beyond the permitted working area.
- > This ensures safe working even in concealed fitting positions.
- > Locking pin can be replaced.
- > Non-crush type release lever with handle recesses, blue dip insulated.
- > Precision machined, oil hardened and annealed.
- > E-8000 J = pair of spare tips.



Code	No.	mm	inch	L	kg
6703750	8000 J 5	122-300	4.13/16-11.7/8	565	1.836

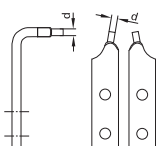
Code	No.	kg
5703700	E-8000 J 5 Spare Tips	0.072

8000 J 51 - BENT

Circlip pliers for internal retaining rings



- > 90° angled tips.
- > Black, tips and lock lever zinc plated.
- > Lever handle end blue dip insulated.
- > Finger protection.
- > Reinforced safety arms.
- > Precision machined, oil hardened and annealed.
- > E-8000 J = pair of spare tips.



Code	No.	mm	inch	L	kg
6704720	8000 A 51	122-300	4.13/16-11.7/8	575	1.898


Code	No.	kg
5704780	E-8000 J 51 Spare Tips	0.116

S 8000

Circlip pliers for external retaining rings

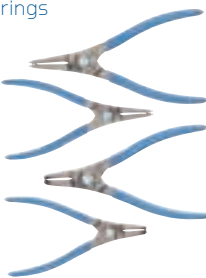


- > Most popular sizes, packed in environmentally friendly cardboard box.
- > Particularly suitable for barely accessible places.
- > For internal and external circlip rings.
- > With straight and 90° angled tips.


Code	No.	Contents	Pieces	
6701030	S 8000	8000 A2 A21 8000 J2 J21	4	0.750

S 8000 AE

Circlip pliers for external retaining rings



- > Contoured anti-slip handles stops your hands from slipping
- > A secure internal spring makes work easier with circlip pliers

Code	No.	Contents	Pieces	
3041980	S 8000 AE	8000 AE 1 11 2 21	4	0.630


S 8000 JE

Circlip pliers for internal retaining rings



- > For internal retaining rings
- > With straight and 90° angled tips

*WHILE STOCKS LAST

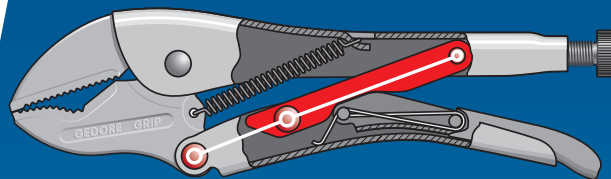
Code	No.	Contents	Pieces	
3041999	S 8000 JE*	8000 JE 1 11 2 21	4	0.580



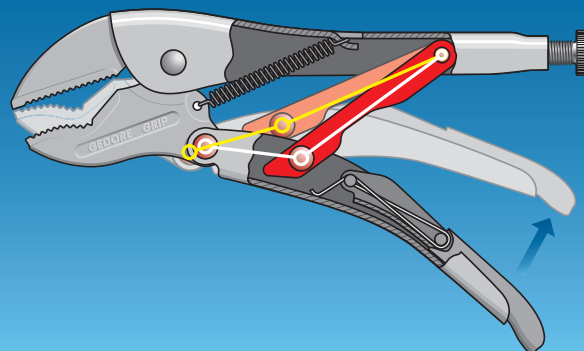
i THE TOGGLE LEVER

A giant among the joints

- Similar in construction to the human leg and consisting of hip, knee and ankle joints
- The knee joint's intelligent power management is its unbeatable advantage:
- Clever utilization of the physical lever laws *)
- Rapid and powerful even with a reduced operating force
- Ideal for optimum pressure and clamping operations
- Maximum pressing/clamping force with knee lever extended – even with automatic locking effect i.e. self-clamping effect (e.g. with grip pliers) relieved by operating the releasing lever
- Constant high quality of work



Self-clamping effect – can only be cancelled by operating the releasing lever!



137 Grip wrenches



- > For secure clamping, gripping and holding.
- > Chrome Vanadium steel 31CrV3.
- > Nickel plated.
- > Jaws hardened to 50HRC. Three-point shaped bottom jaw, upper jaw with wire groove.
- > With adjusting screw and release lever with moulded plastic grip.
- > Safe release.

Code	No.	L	↳ "inch" ↳	mm	"inch	kg
640662	137-175	185	7"	25	1	0.293
640670	137-250	230	10"	32	1.1/4	0.546

134 Straight jaw grip wrench



- > For secure clamping, gripping and holding.
- > Chrome Vanadium steel 31CrV3.
- > Nickel plated.
- > Jaws hardened to 50HRC.
- > With adjusting screw and release lever with moulded plastic grip.
- > Safe release.

Code	No.	L	mm	kg
745995	134	230	25	0.570

138 Welder's grip wrench



- > For clamping strips and profile sections when welding.
- > Cast steel jaws.
- > Nickel plated.
- > Release lever blue dip insulated.

Code	No.	L	↳ "inch" ↳	mm	kg
6407350	138	280	11	90	0.960

138 Y Profile-section grip wrench



- > For clamping bulky profile and angle sections.
- > Strong forged jaws.
- > GEDORE special chrome-vanadium steel, nickel-plated.
- > Release lever blue dip insulated.

Code	No.	L	↳ "inch" ↳	mm	"inch	mm	"inch	kg
6407860	138 Y	280	11	95	3.3/4	75	3	0.763

i DID YOU KNOW?

GEDORE heavy-duty pipe wrenches are the ONLY pipe wrenches in South Africa with the SABS certified mark.

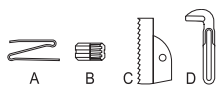


Permit No. 9668 / 15323



- 1** Drop forged hook, hardened and tempered from selected carbon steel
- 2** Jaw teeth induction hardened
- 3** Spheroidal graphite cast handle
- 4** Blue epoxy powder coated

227
Pipe wrench,
american pattern



- > For heavy duty applications.
- > Drop forged hook, hardened and tempered from selected carbon steel.
- > Jaw teeth induction hardened.
- > Spheroidal graphite cast handle.
- > Blue epoxy powder coated.
- > In accordance with SANS 1028.

Code	No.	L	mm	kg
645303	227/200	190	34	0.415
645311	227/250	245	49	0.785
645344	227/300	300	55	1.110
645346	227/350	320	60	1.600
645354	227/450	410	76	2.700
645362	227/600	550	90	4.200
645370	227/900	800	140	9.600
645374	227/1200	1040	210	14.50

227
Spares

Code	No.	Code	No.
545376	E 227 A / 200 Spring	545511	E 227 C / 450 Jaw & Pin
545384	E 227 A / 250 Spring	545538	E 227 C / 600 Jaw & Pin
545392	E 227 A / 350 Spring	545635	E 227 C / 900 Jaw & Pin
545406	E 227 A / 450 Spring	545546	E 227 D / 200 Hook
545414	E 227 A / 600 Spring	545554	E 227 D / 250 Hook
545422	E 227 A / 900 Spring	545562	E 227 D / 350 Hook
545368	E 227 B / 200 Knurl	545570	E 227 D / 450 Hook
545430	E 227 B / 250 Knurl	545589	E 227 D / 600 Hook
545449	E 227 B / 350 Knurl	545643	E 227 D / 900 Hook
545457	E 227 B / 450 Knurl	545426	E 227 A / 1200
545465	E 227 B / 600 Knurl	545469	E 227 B / 1200
545597	E 227 B / 900 Knurl	545540	E 227 C / 1200
545473	E 227 C / 200 Jaw & Pin	545592	E 227 D / 1200
545481	E 227 C / 250 Jaw & Pin		
545503	E 227 C / 350 Jaw & Pin		

225
Pipe wrench,
stillson type



- > Drop forged, CHROME VANADIUM handle, hardened and tempered.
- > Drop forged hook, hardened and tempered from selected carbon steel.
- > Jaw teeth induction hardened.
- > Blue epoxy powder coated.
- > In accordance with SANS 1028.

Code	No.	L	mm	kg
645036	225/250	250	34	0.580
645044	225/300	300	44	0.770
645052	225/350	350	49	1.035
645060	225/450	450	60	1.600
645079	225/600	600	76	3.000
645087	225/900	920	102	6.700

225

Spares

Code	No.	Code	No.
544027	E 225 A / 250 Frame	544965	E 225 C / 600 Hook
544035	E 225 A / 300 Frame	544973	E 225 C / 900 Hook
544043	E 225 A / 350 Frame	545007	E 225 D / 250 Pin
544051	E 225 A / 450 Frame	545015	E 225 D / 300 Pin
544078	E 225 A / 600 Frame	545023	E 225 D / 350 Pin
544086	E 225 A / 900 Frame	545031	E 225 D / 450 Pin
544825	E 225 B / 250 Knurl	545058	E 225 D / 600 Pin
544833	E 225 B / 300 Knurl	545066	E 225 D / 900 Pin
544841	E 225 B / 350 Knurl	545252	E 225 EF / 250 Rivet & Spring
544868	E 225 B / 450 Knurl	545260	E 225 EF / 300 Rivet & Spring
544876	E 225 B / 600 Knurl	545309	E 225 EF / 350 Rivet & Spring
544884	E 225 B / 900 Knurl	545279	E 225 EF / 450 Rivet & Spring
544922	E 225 C / 250 Hook	545317	E 225 EF / 600 Rivet & Spring
544930	E 225 C / 300 Hook	545287	E 225 EF / 900 Rivet & Spring
544949	E 225 C / 350 Hook		
544957	E 225 C / 450 Hook		

142

Universal pliers



142 10 JC



142 10 TL



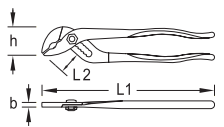
142 10 C

- > According to DIN ISO 8976 Form C.
- > With safety box joint and protection against blocking.
- > Fine adjustment.
- > 142 10 = 15 settings.
- > Single-hand adjustment for safe clamping.
- > Slim pliers head for places that are hard to access.
- > Long slim jaws.
- > Offset gripping faces for self-gripping – no slipping off.
- > Gedore special Chrome Vanadium steel.
- > Induction rehardened serrated faces.
- > Model C = slim handles with forged serrations.
- > Model JC = chrome-plated, with 2-component handles
- > Chrome Vanadium special steel.

Code	No.	mm	L	kg
6416260	142 10 C	38	250	0.380
6416340	142 10 JC	38	260	0.417
6416180	142 10 TL	38	255	0.371
5537190	E 142 A/10 Spare Screw and Nut			

145

Water pump pliers



- > 145 10C = 7 settings.
- > 145 15C = 9 settings.

Code	No.	L	L2	b	h	mm	kg
6412000	145 10 C	250	41	7,8	47,0	39	0.365
6412190	145 15 C*	375				50	0.854
2962683	E 145 A/10 Spare screw and nut						

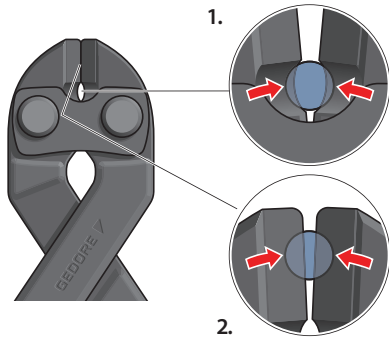
*WHILE STOCKS LAST

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i BOLT CUTTERS

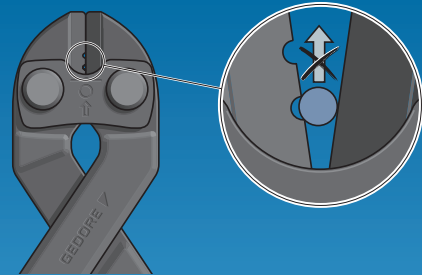
8340

- With a cut soft, medium-hard or hard wires up to 4 mm Ø are separated
- The gliding ahead of the cutting material is prevented by two one-sided micro-grooves and thus is always stays in optimal cutting position

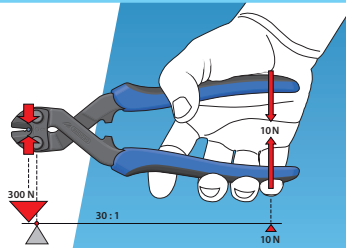


8340

- With two cuts soft, medium-hard or hard wires from 4 to 6 mm Ø are separated
- The extra cutting edge (1) serves as first cut for thick bolts and engraves them deeply
- In the second step, the main cutting edge (2) cuts through the bolt completely



- Compact power bolt cutter with a particularly effective cutting performance
- Optimum lever action requires less effort
- Wear-free rotating/thrust block bolt to reduce sliding friction when cutting
- Force optimised, joint-near cutting is guaranteed



- The effective force multiplication ratio of 1:30 results of the joint-near use of the cutting edge
- Here the lever ratio of hand to cutting force is optimal
- A gliding ahead from this cutting position is prevented by the micro-grooves resp. the additional cutting edge

8340 Mini bolt cutters



- > Cutting edges additionally inductively hardened (63 - 65 HRC)
- > The gliding ahead of the cutting material is prevented by two one-sided micro-grooves and thus is always stays in optimal cutting position
- > Precision cutting edges for soft wire up to Ø 6.0 mm, hard and piano wire up to Ø 3.8 mm

*WHILE STOCKS LAST

Code	No.	L	kg
2541300	8340-200 JL*	200	0.389

8340 Z Mini bolt cutters



- > Cutting edges additionally inductively hardened (63 - 65 HRC)
- > Double-sided milling with additional cutting edge, in the area close to the joint, guarantees best leverage for large wire diameters
- > The additional cutting edge serves as a pre-cutter for thick

- bolts and notches them very deeply
- > In the second step, the main cutting edge cuts through the bolt completely
- > Precision cutting edges for soft wire up to Ø 6.0 mm, hard wire up to Ø 5.5 mm and piano wire up to Ø 3.8 mm

Code	No.	L	kg
2666324	8340 Z-200 JL	200	0.389

PLIERS

8178
Bolt cutters



- > Double cam bolt adjustment
- > Cutting head replaceable
- > Max. cutting performance 49 HRC
- > 48 HRC \approx 1590 N / mm² Tensile strength
- > According to DIN ISO 5743.
- > Cutters from Chrome Vanadium steel.

Code	No.	mm	L	inch	kg
2675137	8178 460	5,0	460	18	1.680
2675145	8178 620	7,0	620	24	2.460
2675153	8178 780	8,0	780	30	4.700
2675161	8178 900	9,0	900	36	5.000

E 8178
Spare cutting head



Code	No.	kg
2675196	E-8178 460	0.440
2675218	E-8178 620	0.800
2675226	E-8178 780	1.460
2675234	E-8178 900	1.470

220
Pipe cutter TUBEX



- > High-performance pipe cutter with 1 cutting wheel
- > Can also be used for stainless steel pipes by replacing the cutting wheel (2" version)
- > Spindle protected by sleeve extension

Code	No.	Size inch	mm	Wall thickness	L	kg
4503400	220020	1/8 - 2	10 mm - 60 mm	2,0-6,3	380	2.900

220
Spare wheel



Code	No.	Designation	Ø D	b	Ø d	kg
4503750	220220	Cutting wheel for 220020, 222020	32	19	9	0.028

8516
Tin snips, scissors pattern



- > American Pattern.
- > Carbon steel SAE1045.
- > Drop forged and heat treated.
- > Cutting surfaces induction hardened.
- > Precision ground cutters.
- > Blue epoxy powder coated.

Code	No.	L	kg
675504	8516-250*	250	0.525
675547	8516-300*	300	0.675

*WHILE STOCKS LAST

8531
Tin snips, straight pattern



- > English Pattern.
- > Carbon steel SAE1045.
- > Drop forged and heat treated.
- > Cutting surfaces induction hardened.
- > Precision ground cutters.
- > Blue epoxy powder coated.

Code	No.	L	kg
675784	*8531-200	200	0.290
675792	*8531-250	250	0.455
675806	*8531-300	300	0.660

*WHILE STOCKS LAST



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AUTOMOTIVE & SPECIAL TOOLS

Perfectly equipped: GEDORE automotive tools and the right equipment turn a workshop into a functional, efficient facility. From wheel mounting to work on the engine and interior to bodywork. Workshop equipment from GEDORE means quality without compromise.


The foundation for a well-organised workshop are specialised tools and equipment. Even the seemingly simple four-way wheel spanner must be able to withstand extreme loads under continuous use.

That is why GEDORE places great emphasis on the quality of every tool, even a wheel spanner which has been hot-forged to prevent breakage.

The quality promise also applies to wheel sockets, balancing weight and brake spring pliers, tyre levers, spanners and inserts made from high-quality materials.

Working under the hoist, in the pit or in the service vehicle require uncomplicated solutions, carrying tools on the body or simply protection and comfort for hands becomes a top priority. Multifunctional belts, pouches, tool jackets and even tool rucksacks offer freedom of movement, quick access to tools and safe storage.





ROBUST
PRACTICAL
VERSATILE

THE PERFECTLY EQUIPPED WORKSHOP

- Intelligent and versatile solutions for the workshop
- Equipment that supports working comfort and protects the workpieces
- Measuring tools for accuracy and precision
- Tool bags, belts and waistcoats as useful additions

BEST QUALITY FOR HIGHEST DEMANDS

- Use of the most modern machines and environmentally friendly production processes
- The best materials and optimised processing methods ensure unique quality
- High-grade industrial quality for the toughest continuous demands and safety in everyday work

26R
Double-ended box
spanners



- > In tubular steel, hardened.
- > Chrome plated.

Code	No.	↳ mm ▶	⚖️
6210050	26R 6x7	105	0.028
6210210	26R 8x9	110	0.035
6210640	26R 10x11	120	0.045
6210990	26R 12x13	140	0.075
6211370	26R 14x15	140	0.090
6211610	26R 16x17	150	0.120
6211880	26R 17x19	160	0.180

Code	No.	↳ mm ▶	⚖️
6211960	26R 18x19	160	0.180
6212260	26R 20x22	170	0.210
6212340	26R 21x23	170	0.215
6212690	26R 24x27	190	0.300
6212770	26R 25x28	200	0.350
6213070	26R 30x32	200	0.380
6213310	26R 36x41	220	0.650

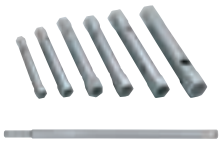
26RS
Stepped tommy bar



- > Chrome Vanadium steel 31CrV3, hardened.
- > Chrome plated.

Code	No.	↳ mm ▶	⚖️
652806	26RS 1 - Fits 26R 6x7 - 10x11	190	0.040
652814	26RS 2 - Fits 26R 12x13 - 16x17	240	0.140
652822	26RS 3 - Fits 26R 17x19 - 36x41	330	0.500

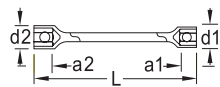
KD-26R
Box spanner set



- > In tubular steel, hardened.
- > Chrome plated.
- > 7 pieces

Code	No.	⊙ mm	Accessories	⚖️
621846	KD-26R	8x9 10x11 12x13 14x15 16x17 18x19	26RS 2 Tommy Bar	0.685

27
Wheel socket
spanner



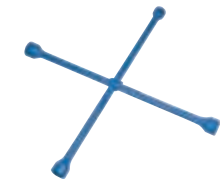
- > Chrome Vanadium steel 31CrV3.
- > Chrome plated.
- > With great head depth, for protruding bolts, without tommy bar
- > Please order rotary pin 27 D separately

*WHILE STOCKS LAST

Code	No.	⊙ mm	↳ mm ▶	⚖️
026050	27-22x24*	19	500	1.700
026060	27-24x27*	19	500	1.800
026150	27-27x30*	19	500	2.300
026155	27-27x32*	21	500	2.300
026156	27-27x33*	21	500	2.300
026165	27-30x32*	21	500	2.300
026168	27-30x33*	21	500	2.300

Code	No.	⊙ mm	↳ mm ▶	⚖️
026170	27-32x33*	21	500	2.400
026175	27-21x38*	19	500	2.300
026180	27-21x41 *	21	500	2.500
026052	27d/35d-19 (19.05mmx500)*	19	500	1.090
026152	27d/35d-21 (20.89mmx500)*	21	500	1.300

28
4-way wheel
spanner



- > Chrome Vanadium steel 31CrV3.
- > Blue epoxy powder coated.
- > 28PU for car wheel nuts
- > 28CV for delivery vans and light trucks, buses and tractors
- > 28LV for trucks, agricultural machines, tractors and industrial uses

Code	No.	⊙ mm	↳ mm ▶	⚖️
622761	28 PU	17x19 21x22	420x420	1.360
622869	28 CV	19x20 24x27	595x583	3.690

38
Tyre lever



- > Chrome Vanadium steel 31CrV3.
- > Drop forged.
- > Chrome plated.

Code	No.	↳ mm ▶	↳ inch ▶	⚖️
633267	38 16	400	16	0.458
633283	38 20	500	20	0.576

139
Pry bar



- > Chrome Vanadium steel 31CrV3.
- > Drop forged.

Code	No.	↳ mm ▶	kg
1396598	139 - 450X19 Pry Bar	450	1.020

36
Oil filter strap wrench



- > Chrome Vanadium steel 31CrV3.
- > Chrome plated.
- > Strong wide strap.
- > Light duty.

Code	No.	↳ mm ▶	kg
6327320	36 / 1	220	0.307
6327400	36 / 2	285	0.470
5327380	E 36 / 1 Strap		
5327460	E 36 / 2 Strap		

1.75
Oil filter hook



- > Three-arm pattern.
- > For removing firmly seated oil filters.

Code	No.	↳ mm ▶	kg
8117420	1.75/1	60-120	0.600

39
Tyre lever



- > Chrome Vanadium steel 31CrV3.
- > Drop forged.
- > Blue epoxy powder coated.

Code	No.	↳ mm ▶	↳ inch ▶	kg
633305	39	610	24	1.463

647
Spark plug brush



- > With plastic handle and brass wire bristles.

*WHILE STOCKS LAST

Code	No.	↳ mm ▶	bristle length	kg
6531950	647*	180	15	0.022

121 G
Suction cup lifter



- > With suction mechanism and safety locking
- > With movable suction cups
- > Especially suitable for curved car windows
- > Load capacity 45 kg

Code	No.	↳ mm ▶	∅	kg
6391170	121 G*	390	120	0.642

*INDENT ONLY

121 G-3
Suction cup lifter



- > 3 joint heads made of oil and acid resistant ABS plastic
- > Especially suitable for curved panes
- > Load capacity 100 kg

Code	No.	∅	kg
6390870	121 G-3*	120	1.340

*INDENT ONLY

640
Magnetic lifter



- > With flexible shaft and plastic handle
- > For picking up and holding small magnetic parts
- > Easy handling due to flexible shaft
- > Bright nickel plated

Code	No.	↳ mm	Magnet diameter	Ω	kg
6531280	640-1800	520	12,0	1.800	0.230

642 SP
Magnetic lifter, with lamp, mirror & clip



- > For searching and lifting small metal parts in confined areas
- > If necessary, the magnet can be unscrewed
- > Mirror diameter 30 mm

Code	No.	↳ mm	Magnet diameter	Ω	kg
6536750	642 SP	500	12	350	0.172

125
Piston ring clamp band



- > Made of special spring band steel with infinitely variable fine adjustment
- > With tightening key.

Code	No.	∅ mm	↳ mm	↳ inch	kg
6396800	125 1	57-125	80	3	0.257
6396990	125 2	90-175	80	3	0.294
6397020	125 3	90-175	165	6.1/2	0.548

126
Piston ring pliers



- > For secure fitting of piston rings.
- > Handles with blue sleeves.

Code	No.	∅ mm	↳ mm	↳ inch	kg
6397370	126 1-100	55-100	200	8	0.296
6397450	126 2-120	80-120	240	9.1/2	0.344
6397530	126 3-160	110-160	240	9.1/2	0.402

126-060
Piston ring pliers



- > With prism holder for secure fitting of piston rings
- > With adjusting screw

Code	No.	∅ mm	↳ mm	↳ inch	kg
6397100	126 0-60*	30-60	210	8.1/4	0.158

*WHILE STOCKS LAST

132
Hose clamp pliers



- > For self-clamping hose clamps
- > Chrome plated handles

Code	No.	↳ mm	↳ inch	kg
6399900	132	220	8.3/4	0.215

128
Valve spring tensi-
oner



- > For overhead valve engines with one each straight and offset pair of hooks.
- > Bright nickel plated.
- > Type 2-225 handle with blue sleeve.

Code	No.	↳ mm ↲	∅ mm	kg
6398500	128 2-225	290	60-225	1.200

132
Click hose clamp pliers



- > For CLIC-R hose clamps.
- > Polished, bright nickel plated, joint gunmetal finished.
- > Forged for clip sizes 5-30mm.

Code	No.	↳ mm ↲	↳ "inch ↲	kg
1396714	132 CLIC*	180	7	0.247

*INDENT ONLY

8134
Installation pliers



- > For spreading of horseshoe pattern circlips of shaft retainers, on motors, gearboxes, clutches, etc.
- > For VW, AUDI and American vehicles

Code	No.	↳ mm ↲	kg
6722030	8134-170 C	170	0.195

*INDENT ONLY

8276
Balance weight pliers



- > For removing, cutting, and attaching balancing weights
- > Chrome Vanadium steel

Code	No.	↳ mm ↲	↳ "inch ↲	kg
6739350	8276-250 C	250	10	0.386

135
Brake spring pliers



- > For drum brakes
- > With special holder and support crown, particularly suitable for glued brake linings

Code	No.	↳ mm ↲	↳ "inch ↲	kg
6405300	135 13	330	13	0.389
6405490	135 19*	480	19	0.956

*WHILE STOCKS LAST

STEEL RULER



- > Stainless steel with polished finish.
- > Permanently engraved.
- > Metric to imperial conversion table on reverse side.

Code	No.	↳ mm ↲	↳ "inch ↲	kg
0134000	Measuring Rule - 150mm	150	6	0.050
0134100	Measuring Rule - 300mm	300	12	0.060
0134300	Measuring Rule - 600mm	600	24	0.120

702
Feeler gauge set



- > With protective handle.
- > Handle nickel plated.
- > Folding.
- > Blade length 100mm.

Code	No.			
6547790	702 13 M	5 10 15 20 25 30 40 50 60 70 80 90 100/100		0.065
6547870	702 20 M	5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100/100		0.100
6547950	702 21 M	10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50/100		0.068
6548680	702 13 A	.002 .003 .004 .005 .006 .008 .010 .012 .015 .020 .025 .030 .035"		0.055
6548760	702 22 A	.004 - .025 increasing by 1/1000"		0.081
6548840	702 26 A	.0015 - .025 increasing by 1/1000"		0.080

INSIDE SPRING CALIPER



- > With protective handle.
- > Handle nickel plated.
- > Folding.
- > Blade length 100mm.

Code	No.	↳ mm ↳	↳ "inch ↳	
0140100	Inside Spring Caliper	100	4	0.085
0140200	Inside Spring Caliper	150	6	0.133
0140300	Inside Spring Caliper	200	8	0.180
0140400	Inside Spring Caliper	250	10	0.240
0140500	Inside Spring Caliper	300	12	0.260

OUTSIDE SPRING CALIPER



Code	No.	↳ mm ↳	↳ "inch ↳	
0141100	Outside Spring Caliper	100	4	0.080
0141200	Outside Spring Caliper	150	6	0.133
0141300	Outside Spring Caliper	200	8	0.180
0141400	Outside Spring Caliper	250	10	0.250
0141500	Outside Spring Caliper	300	12	0.260

SPRING DIVIDER



Code	No.	↳ mm ↳	↳ "inch ↳	
0142000	Spring Divider	75	3	0.080
0142100	Spring Divider	100	4	0.080
0142200	Spring Divider	150	6	0.133
0142300	Spring Divider	200	8	0.180
0142400	Spring Divider	250	10	0.267

ENGINEERS SCRIBER



- > Double-ended with one straight point and the other at 90 degrees.
- > Ideal for use in confined spaces.

Code	No.	↳ mm ↳	
0321001	Engineers Scriber	190	0.045

ENGINEERS SQUARE



- > Hardened blade.
- > Accurately ground blade and stock ensures straightness and parallelism.
- > Accurate right angles on inside and outside.
- > Ideal for setting up and checking machinery.

Code	No.	Blade Length ↳ mm ↳	
0110100	Engineers Square - 75mm	75	0.115
0110200	Engineers Square - 100mm	100	0.133
0110300	Engineers Square - 150mm	150	0.288

403
Hacksaw



- > Adjustable tubular steel frame.
- > For 10" and 12" hacksaw blades.
- > Shatterproof blades.

Code	No.	↳ mm ↳	kg
039010	403	435	0.360
5500350	403A Hacksaw Blade 24TPI - Pack of 10	300	0.120

407
Hacksaw



- > Pressure cast aluminium.
- > Ergonomic soft rubber grips.
- > Adjust saw blade by turning blue clamping element in the hand grip.

Code	No.	↳ mm ↳	kg
1879375	407	425	0.650

JUNIOR
Hacksaw



- > Powder coated, steel wire frame.
- > Easy blade replacement.
- > Shatterproof blade.
- > Finger guard prevents injury.

Code	No.	↳ mm ↳	kg
0312000	Junior Hacksaw	210	0.083

BRASS PUMP OIL CAN



- > Dome shaped body.
- > Brass suction pump.
- > Heavy gauge tin.
- > Powder coated.
- > Pump has two ball valves.
- > Lack of spring on the bottom suction valve prevents malfunctioning.

Code	No.	Capacity (ml)	kg
4163300	Brass Pump Oil Can	500	0.278

4530
Towrope



Code	No.	↳ mm ↳	kg
669776	4530- 2 Ton	3500	0.310
669806	4530- 4 Ton	3500	1.700

SAFETY GLASSES



- > Euro type spectacles, polycarbonate lens CE (EN 166-2001).
- > Clear anti-scratch lens.

Code	No.	kg
200638	DV026C Safety Glasses & Bag	0.035

G-CLAMPS



Code	No.	↳ mm ↳	"inch	kg
3580000	*G-Clamp	75	3	0.500
3580100	*G-Clamp	100	4	0.900
3580200	*G-Clamp	150	6	1.400
3580300	*G-Clamp	200	8	1.500

*WHILE STOCKS LAST

299
Drain plug spanner



- > Chrome Vanadium steel 31CrV3.
- > Chrome plated.
- > For square bungs on engine pumps, tanks and drums for oil and chemicals.
- > Five square sizes: 8.7 9.5 10.5 11.5 13mm
- > Four tapered sizes: 6.8-8.7 10.5-13 15.2-18 16.5-19mm
- > One screwdriver blade: 5.5 x 18mm

Code	No.	- mm	
6464580	299	220	0.450

907
Fender protector



- > Protection from unwanted scratches, dents and dirt.
- > Magnetic attachment keeps paintwork safe from damage – also attaches to galvanised steel.
- > Rugged, padded imitation leather and reinforced edges provide a perfect, cushioned working area.
- > Dimensions: 1100x650mm with wheel cut-out to allow easy access.

Code	No.	- mm	
1942956	907	1100	0.620

905
Creeper



- > Ergonomically shaped one-piece creeper.
- > With practical carrying handle
- > Made for PP(polypropylene)
- > Six swivel castors ensure easy, safe manoeuvrability
- > Two storage trays
- > Head and neck cushion for maximum comfort
- > Bucket moulding gives additional support and allows freedom of movement
- > Carrying capacity: 130kg
- > Temperature range: -30C to +60C
- > Dimensions: 1030 x 480 x 115mm

Code	No.	
1823698	905	5.000

TOOL BAG



- > Fabric construction in 600D polyester canvas.
- > Water repellent and durable.
- > Toolbag: 38mm reinforced polypropylene webbing straps.
- > Waist Pouch: 25mm reinforced polypropylene webbing straps.
- > YKK zip and nickel rivets for additional reinforcing.
- > Reinforced loops for screwdrivers and pliers.

Code	No.	
545200	Zipped Tool Bag	0.350

WAIST POUCH



- > Fabric construction in 600D polyester canvas.
- > Water repellent and durable.
- > Toolbag: 38mm reinforced polypropylene webbing straps.
- > Waist Pouch: 25mm reinforced polypropylene webbing straps.
- > YKK zip and nickel rivets for additional reinforcing.
- > Reinforced loops for screwdrivers and pliers.

Code	No.	
545210	Waist Pouch	0.200

TOOL JACKET



- > High quality tear resistant fabric made from 600D polyester.
- > Strong industrial seams.
- > Universal size with four lateral buckles for resizing.
- > One back pocket with zips.
- > Two right-hand pockets and four left-hand pockets.
- > Elastic screwdriver holder.
- > Reflector strips front and back for improved visibility.

Code	No.	kg
1818260	Tool Jacket	0.730

ELECTRICIAN'S TOOL CASE



- > Double stitched and bound.
- > Very durable water repellent inner lining.
- > Heavy duty zip.
- > Reinforced inners.
- > Dimensions:
L=400 x W=180 x H=300mm.

Code	No.	kg
545220	Tool case	2.250

TOOL RUCKSACK



- > 600x600D water repellent polyester fabric.
- > Double stitched and bound.
- > 10cf-thick extra heavy duty zip.
- > Three front velcro-closing pockets with reflective strip.
- > Inside detachable divider with fabric sleeves to hold tools with clear velcro sleeve cover.
- > Reinforced padded back with reinforced padded back straps.

Code	No.	kg
545190	Rucksack	1.000

507 Leisure motorist toolkit

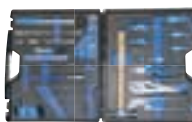


- > In a black canvas case with zip fastener.

*WHILE STOCKS LAST

Code	No.	Spanners	Screwdrivers	Accessories	kg
668097	507 Leisure Motorist Toolkit	No.6 8x9 10x11 12x13 14x15 16x17 19x22	2150 6.5 2160 PH2	26RST x 175 Socket & T-Bar 60CP-250 Shifting Spanner 145/250 Universal Pliers Reflective Vest Leather Gloves	2.360

5017 Jazz tool assortment



- > Dimensions: L=440 x W=400 x H=100mm.

*WHILE STOCKS LAST

Code	No.	Spanners	Screwdrivers	Sockets	Allen Keys	Accessories	kg
677010	Jazz Tool Assortment*	No.7 10 11 12 13 14 15 16 17 19	2150 3-150 4-150 6.5 2160 PH1 PH2	C19 10 11 12 13 14 15 17 19	42-88M 2 2.5 3 4 5 6 8 10	1993 Z-94 Ratchet 2093 Z-94 Ratchet 2087 Sliding T-Bar 2088 Flexible Extension 2090-4 Extension Voltage Tester 140-2K 137-250 Grip Pliers 8601-500 Ball Pein Hammer 1990-250 Extension 1990-125 Extension 1995 Universal Joint 55/20.8 Spark Plug Spanner 2090-6 Extension 145-250 Universal Pliers 8250 200JC Combination Pliers	9.120

NEW

UNIVERSAL
FAST
EFFECTIVE
SAFE



KL-5501 B

SPRING COMPRESSOR

Fast, effective and easy compressing of practically any MacPherson suspension/damper strut available on the market combined with maximum safety. The spring shape and spring pitch are not an issue since the spring is compressed via the upper spring plate against the lower one.



RIGHT-HAND



LEFT-HAND



CONICAL



ECCENTRIC



HIGH PITCH



**SMALL NUMBER
OF WINDINGS**

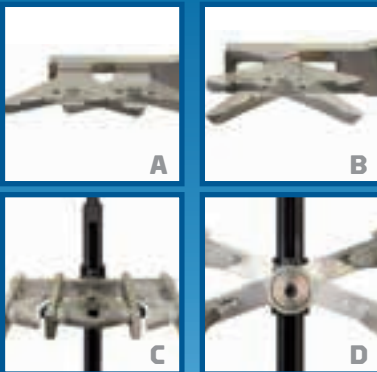


**IRREGULAR
PITCH**

1

CONTINUOUSLY ADJUSTABLE

- Fits practically any MacPherson suspension/damper strut available on the market
- Fits practically all spring plate diameters | C
- Pivoted and slideable spring holding devices adjust to practically any spring plate contour | A, B
- Inclined spring plate mounting for secure fitting of tilted spring plates | D
- No damage to the coil spring coating from clamping with the spring plate



2

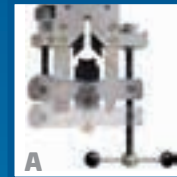
SAFE ONE-PERSON OPERATION

- Easy and quick to handle in the workshop's daily routine
- Work done by just one person
- Very safe and user-friendly overall design

3

DAMAGE-FREE WORKING

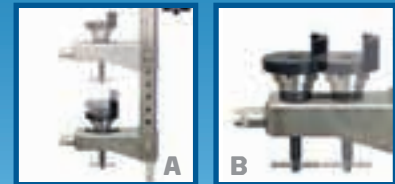
- Adjustable quick clamping device for damage-free suspension strut fitting | A
- No damage to the damper tube thanks to plastic clamping jaws at the holding device



4

HORIZONTALLY ADJUSTABLE MOUNTING

- Allows the piston rod to be exactly aligned to the spring plate | B
- Height-adjustable support fitting practically any suspension strut length | A

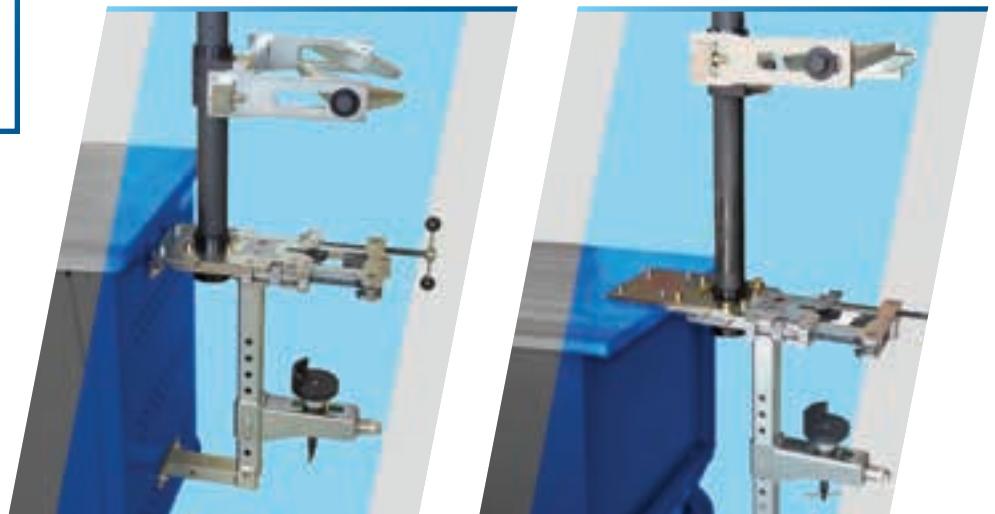


SIMPLE MOUNTING

- Mounting on the MODULO workshop trolley/workbench - KL-5501-120 A / -121 A using mounting kit - KL-5501-211

- > Universal fit for McPherson spring and damper legs.
- > Universal fit!
- > Maximum safety!
- > Clamping of different spring designs!
- > Tensioning of shock absorbers with tension stop spring!
- > No damage to the damper tube!
- > One-man operation!

Suitability: universal



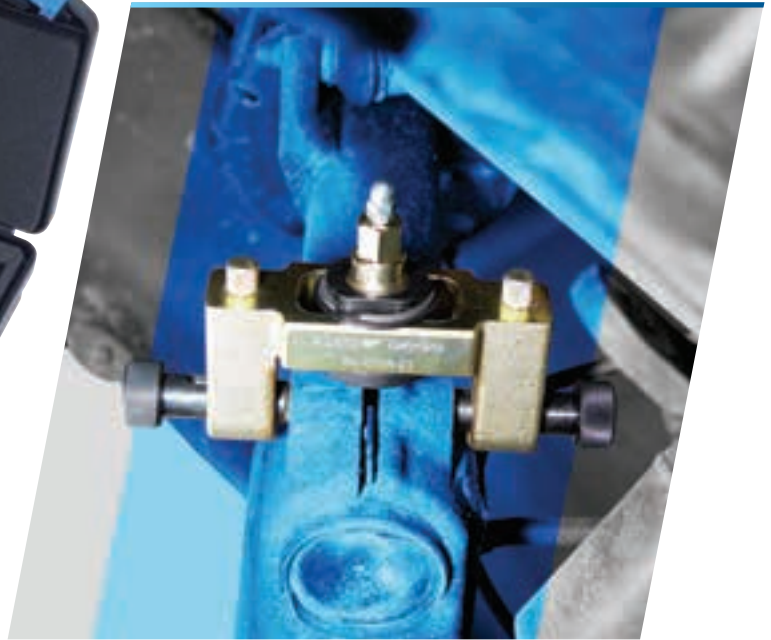
Code	No.	Drive	Breaking point	Load capacity (max.) N	Weight without trolley kg	Opening width (max.) mm	Spring plate Ø (min.) mm	Spring plate Ø (max.) mm
3230503	KL-5501 B	SW 24	60.000 N	15.000	46	570	125	220

KL-0104-21 KB

SPREADING TOOL ADJUSTABLE

with wedges (No. 1 2 4 5)

NEW



- > Suitable for suspension strut clamping holes and suspension joint mounts.
- > The expansion tool set enables the suspension strut clamping bore or the lower suspension joint mount to be expanded professionally in order to be able to pull out stuck shock absorber units or suspension joints without damage.

Pros:

- > For clamping bore gap of 2 - 16 mm!
- > No jamming of the spreading tool!
- > No over-expansion of the clamping bore thanks to expansion wedges with stop!
- > No damage to the cast or aluminium steering knuckle housing!
- > Clamping slots off center are not a problem!

Suitability: universal, especially for:

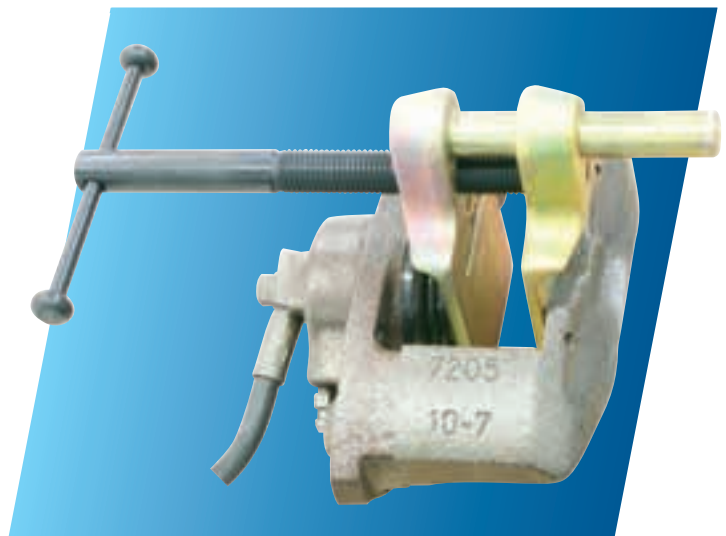
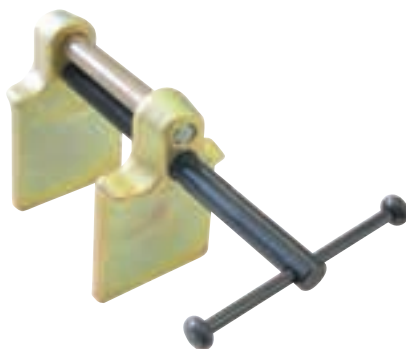


Code	No.	Spread dimension	Weight Kg
3269396	KL-0104-2x	Wedge 1: a=5,5 mm, b=12,0 mm Wedge 2: a=2,0 mm, b=8,0 mm Wedge 4: a=5,5 mm, b=9,5 mm Wedge 5: a=12,5 mm, b=17,0 mm	1.240

KL-0111-1

CALIPER PISTON RESET TOOL

NEW



- > No jamming of the piston during reset.
- > Low expenditure of force needed - thanks to the precise guidance of the tool.
- > High stability and resistance to wear and tear - thanks to the hardened plates and guide pins.
- > High precision of the tool ensures easy use and long service life.

Suitability: Universally applicable to virtually all vehicles.

Code	No.	Overall length mm	Overall height mm	Usable height of jaws mm	Width of jaws mm	Min span mm	Max span mm	Weight Kg
1752294	KL-0111-1	260	125	75	70	13	70	1.510

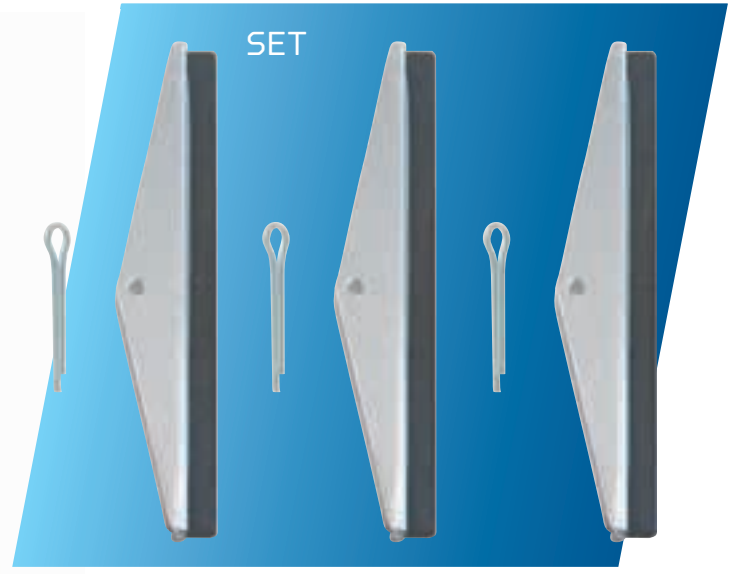
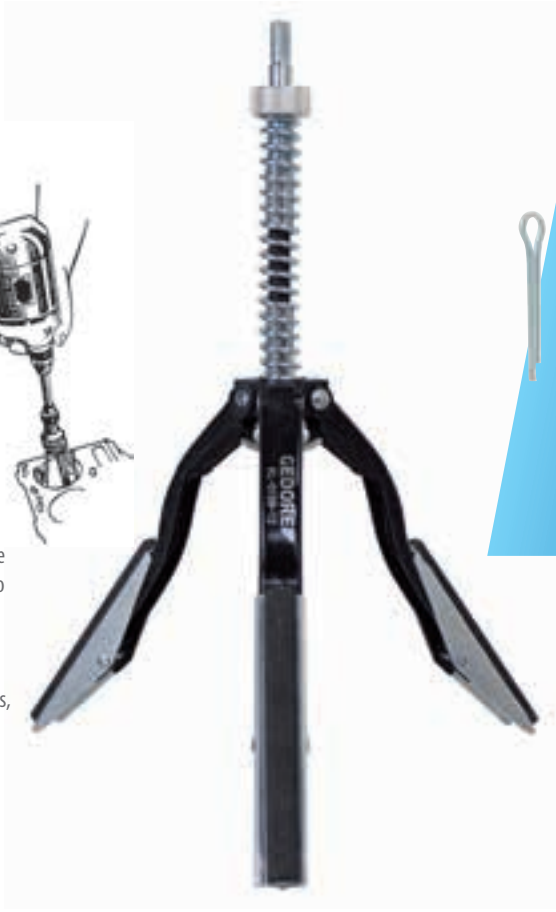
CYLINDER-HONING TOOL / SET



NEW



Comes with interchangeable hone stones and a flexible drive shaft to fit electric drills.
The hone arms are self-spreading and tensioning.
Suitable for tubes, bores, cylinders, bearing housings, etc.



Code	No.	Dimensions mm	Hone stone length mm	Cylinder Ø mm	Weight g
1754270	KL-0199-12		100	51 - 175	570
1794108	KL-0199-125	Cylinder Hone Set (3 Stones)	11 x 100		57

GLOW / SPARK PLUG SOCKET WRENCH SET



NEW



- > For removing and installing spark plugs and glow plugs.
- > Suitable for PSG glow plugs with integrated pressure sensor.
- > With retaining rubbers for fixing the spark plug or glow plug.
- > Long and slim design.
- > Resistance-free power transmission due to ball joint

Suitability: universal

7pcs

Code	No.	Spanner size	Drive 1 inch	Drive 2 inch	Length mm
3242757	KL-0369-900 KC	SW 8; 9; 10; 12; 14; 16	1/4"	3/8"	85

KL-0500-45 KA

CLUTCH KIT

NEW



This SAC clutch tool kit is absolutely necessary for professional and damage-free removal and installation of SAC clutches (Self-Adjusting Clutch), and it also enables resetting of the SAC adjusting ring in the clutch pressure plate.

Damage-free removal and installation is almost impossible without a SAC clutch tool, as the coupling can be strained or damaged in the process. This inevitably leads to a malfunction or defect of the clutch, and it must be replaced.

The clutch centring tool included in the scope of delivery enables centring of clutch discs with a hub diameter of 15-28mm and a guide bearing or crankshaft hole diameter of 12-28mm. Vehicles without guide bearings in the crankshaft are also not a problem.

The two clamping / centring elements ensure precise centring in the clutch disc on the first clamping element, and precise entering in the guide bearing or crankshaft hole on the second clamping element. Even clutches with crankshaft hole diameter exceeding the clutch hub diameter can be centred cleanly and precisely.

Advantages:

- Professional and damage-free disassembly and assembly of the coupling!
- Precise centring of the clutch disc on vehicles without pilot bearings!
- Centring of the clutch disc towards the pilot bearing or towards the pressure plate is possible!
- The clutch centring tool included in the scope of delivery enables centring of clutch discs with a hub diameter of 15-28mm and a guide bearing or crankshaft hole diameter of 12-28mm.
- Resetting the adjusting ring is possible with the special reset tool

Suitability: Fits universally for almost all SAC couplings with 3- and 4-hole pitch available on the market. For example, installed at VW-Audi, BMW, Mercedes, Volvo, Opel, Renault, etc.



Code	No.	Weight Kg
2288508	KL-0500-45 KA	8.140

KL-0500-61 KA

DSG CLUTCH KIT

NEW

The KL-0500-61 KA update tool kit is designed to complement the previous LuK tool kit for double clutch (LuK 400 0240 10), so that the contents includes all the tools of the current KL-0500-80 KA base tool kit for double clutch and KL-0500-81 KA upgrade tool kit for VW.



Code	No.	Weight Kg
3411540	KL-0500-61 KA	3.000

GEDORE

KLANN EXPERIENCE

NEED MORE INFORMATION?

Contact your nearest
GEDORE agent for more
information on our latest
products.



SOLUTIONS

MISSION: **KLANN** POSSIBLE

SHEETMETAL & TOOL ASSORTMENTS

GEDORE has perfected workshop organisation and storage with its tool ranges and inserts.

GEDORE offers a wide range of organised applications set in high-density foam or plastic inserts. To ensure that workers at every workplace have optimally adapted sets and the greatest flexibility in selecting the tools they need, GEDORE offers tool sets tailored to motor vehicles, commercial vehicles, plumbing, electrical installations or general use.

Safe and organised storage of tools is increasingly important. That is why GEDORE has developed the module system:

Tool inserts made of high-density foam, adapted to the drawer sizes of GEDORE tool trolleys and the compartments of toolboxes and tool chests.

If you don't find the tools that you need from an already vast array of tool arrangements, foam inserts can be custom developed to include the tools that you need to get the job done.



CLEVER SOLUTIONS

Ideally suited for GEDORE tool trolleys, toolboxes, and tool chests

EVERYTHING SAFELY STOWED AWAY

- Clearly arranged storage
- Safe transport
- Space-saving storage
- Versatile combination



VERSATILE
SPACE-SAVING
CLEARLY ARRANGED



PLASTIC INSERTS

- Made of impact-resistant ABS plastic
- Oil and acid resistant
- The tool lies perfectly in position and is protected from damage
- Recessed grips make it easier to take out the tool

FOAM INSERTS

- Simple visual check due to 2-coloured foam inserts
- Particularly suitable for work in sensitive areas where it must be ensured that no tools are left behind.
- Bottom layer blue, top layer black.
The colour blue shows missing tools
- Clearly visible tool contours make it easier to put the tool back into the right nest
- The tool lies perfectly in place and is protected from damage
- Recessed grips make it easier to remove the tool
- Resistant to oils and greases
- Easy to clean with water and soap

SHEETMETAL & TOOL ASSORTMENTS

1260
Toolbox,
3 compartments



- > With riveted joints.
- > Strong structure, smooth and easy opening and closing.
- > Maximum access to bottom tray.
- > Lockable, phosphated and powder coated to prevent corrosion.

Code	No.	L	W	H	
660868	1260	460	248	173	4.700

1261
Toolbox,
5 compartments



- > With riveted joints.
- > Strong structure, smooth and easy opening and closing.
- > Maximum access to bottom tray.
- > Lockable, phosphated and powder coated to prevent corrosion.

Code	No.	L	W	H	
660876	1261	460	248	220	6.200

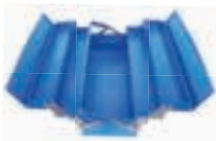
1282 / 5
Toolbox,
5 compartments



- > With riveted joints.
- > Strong structure, smooth and easy opening and closing.
- > Maximum access to bottom tray.
- > Plastic Handle: ZA Registration Design 2005/0507.
- > Lockable, phosphated and powder coated to prevent corrosion.
- > Designed to accommodate all modular kits.

Code	No.	L	W	H	
660957	1282/5	460	248	220	7.500

1335
Toolbox,
5 compartments



- > With riveted joints
- > Strong structure, smooth and easy opening and closing.
- > Maximum access to bottom tray.
- > Lockable, phosphated and powder coated to prevent corrosion.

Code	No.	L	W	H	
661058	1335	550	248	220	6.000

TRAYS / INSERTS

- > Inserts Fit Into: 1281 / 1282 Toolboxes 1425 Tool Chest, 1575 / 1581 Tool Trolleys, 1502 Drawer Unit 1401 / 1404 Tool Cabinets
- > Vacuum moulded inserts
- > Trays Fit Into: 1280 / 1281 / 1282 Toolboxes
- > Sheetmetal trays

Code	No.	Code	No.
561347	1280/81-7M INS	561150	1280/81 - Metal Tray
561134	1280/81-1B INS	561266	1280/81 - D32 Metal Tray
561169	1280/81-1B AF INS	561401	1282 - Metal Tray
561142	1280/81-D19 INS	561428	1282 - D32 Metal Tray
561126	1280/81-D19ACC INS		
561185	1280/81-22-ACC INS		
561193	1281/82-1B 62H INS		
561207	1280/81-D19/IN19 INS		
561215	1280/81-D19 ACC/SKT INS		
561258	1280/81-D32/6 INS		
561274	1280/81-PL/137/36 INS		
561283	1282-SD-PH-STB INS		
561291	1282-SD-MEC-EL INS		
561304	1282-4/ACC INS		
561312	1282 - EXT INS		
561322	1282 - 6SD INS		
561339	1282 - UTILITY INS		
561355	1282 - D20 EZ INS		
561363	1282 - PLIER INS		
561371	1282 - 1B 18 INS		
561398	1282 - 8601 ACC INS		

1281
Toolbox,
5 compartments



- > Robust, rust-free, rounded corners.
- > Cast-in lid hinges with non-removable pins. Lockable.
- > Plastic Handle: ZA Registration Design 2005/0507.
- > Phosphated and powder coated to prevent corrosion.

Code	No.	L	W	H	
660949	1260	460	240	220	6.500

1460
Tool trunks



- > Strong structure, smooth operating hinges.
- > Lockable.
- > Phosphated and powder coated to prevent corrosion.
- > 1460: Silver galvanized tray is purchased separate.
- > 1460: Nests.

Code	No.	L	H	W	
663839	1460-65	651	284	280	7.000
663840	1460-65S	651	284	280	7.000
663841	1460-70	717	314	388	10.000
663843	1460-80	801	379	471	14.000
663845	1460-91	910	431	554	14.000

1281-C19-1BM
Tool assortment 1/2"

Die-cast Aluminium



*WHILE STOCKS LAST

Code	No.	1B Spanners	42-88M Allen Keys	Screwdrivers	Toolbox / Inserts / Tray	C19 Sockets	Accessories	
678155	1281-C19-1BM	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	2 2,5 3 4 5 6 8 10	2150 4 5.5 6.5 8 2160 PH1 PH2	1281 Toolbox 1280/81 D19 ACC Insert 1280/81 1B Insert 1280/81 D19 Insert 1280/81 Tray	8-5/16 10-3/8 11 12 13-1/2 14 15-19/32 16- 5/8 17 18-11/16 19-3/4 21-13/16 22 24-15/16 26-1. 27-1.1/16 29-1.1/8 30-1.3/16 32-1.1/4	50/20.8 Spark Plug Socket 145/250 Universal Pliers 1990-75 Extension 1990-125 Extension 1990-250 Extension 137/250 Grip Pliers 1987 Sliding T-Bar 1993U-10T Rev. Ratchet 1997/375 Power Bar 1995 Universal Joint	15.860

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1281 / 1282-C19-1BM-62
Tool assortment 1/2"

Die-cast Aluminium



*WHILE STOCKS LAST

Code	No.	1B Spanners	Allen Keys	Screwdrivers	Toolbox / Inserts / Tray	C19 Sockets	Accessories	
678511	1281-C19-1BM-62	6 7 8 9 10 11 12	42-88M 2 2,5 3	2150	1281 / 1282 Toolbox	8-5/16 10-3/8 11 12	50/20.8 Spark Plug Socket	16.000
679003	1282-C19-1BM-62	13 14 15 16 17 18 19 20 21 22	4 5 6 8 10	3-150 4 4-150 5.5 6.5 8	1281/82-1B/62 Insert 1280/81-D19/IN19 Insert 1280/81-D19 ACC/SKT Insert 1282-SD-PH-STB Insert 1282-SD-MEC-EL Insert	13-1/2 14 15-19/32 16-5/8 17 18-11/16 19-3/4 21-13/16 22 24-15/16 26-1. 27-1.1/16 29-1.1/8 30-1.3/16 32-1.1/4 7/16AF 9/16AF	143/250 Universal Pliers 1990-75 Extension 1990-125 Extension 1990-250 Extension 1995 Universal Joint 62/250 Adjustable Wrench 1987 Sliding T-Bar 1993U-10T Ratchet	17.000
			IN19 sockets 5 6 8 10 12 14	2153 2160 PH1 PH2 2161 PH2	1281 - 1280/81 Tray 1282 - 1282 Tray	7/8AF		

1281 / 1282-D19-1BM-62
Tool assortment 1/2"

Die-cast Aluminium



Code	No.	1B Spanners	Allen Keys	Screwdrivers	Toolbox / Inserts / Tray	D19 Sockets	Accessories	
678554	1281-D19-1BM-62	6 7 8 9 10 11 12	42-88M 2 2,5 3	2150	1281 / 1282 Toolbox	8 10 11 12 13 14 15	50/20.8 Spark Plug Socket	16.000
679070	1282-D19-1BM-62	13 14 15 16 17 18 19 20 21 22	4 5 6 8 10	3-150 4 4-150 5.5 6.5 8	1281/82-1B/62 Insert 1280/81-D19/IN19 Insert 1280/81-D19 ACC/SKT Insert 1282-SD-PH-STB Insert 1282-SD-MEC-EL Insert	16 17 19 21 22 23 24 26 27 28 30 32 7/16AF 9/16AF 7/8AF	143/250 Universal Pliers 1990-75 Extension 1990-125 Extension 1990-250 Extension 1995 Universal Joint 62/250 Adjustable Wrench 1987 Sliding T-Bar 1993U-10T Rev. Ratchet	17.000
			IN19 sockets 5 6 8 10 12 14	2153 2160 PH1 PH2 2161 PH2	1281 - 1280/81 Tray 1281 - 1282 Tray			

1282-C19-1BM-62-PL

Tool assortment 1/2"



Code	No.	1B Spanners	Allen Keys	Screwdrivers	Toolbox / Inserts / Tray	C19 Sockets	Accessories	
679240	1282-C19-1BM-62-PL	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	42-88M 2 2,5 3 4 5 6 8 10 IN19 sockets 5 6 8 10 12 14	2150 4 5.5 6.5 8 2160 PH1 PH2	1282 Toolbox 1281/82-1B/62 Insert 1280/81-D19/IN19 Insert 1280/81-D19 ACC/SKT Insert 1282 - 6SD Insert 1282 - Pliers Insert 1282 Tray	8-5/16 10-3/8 11 12 13-1/2 14 15-19/32 16- 5/8 17 18-11/16 19-3/4 21-13/16 22 24-15/16 26-1. 27-1.1/16 29-1.1/8 30-1.3/16 32-1.1/4 7/16AF 9/16AF 7/8AF	50/20.8 Spark Plug Socket 62/250 Adjustable Wrench 143/250 Universal Pliers 1987 Sliding T-Bar 1990-75 Extension 1990-125 Extension 1990-250 Extension 1995 Universal Joint 1993U-10T Rev. Ratchet Pliers 8132-200 JC Telephone Pliers 8250-200 JC Combination Pliers 8316-200 JC Side Cutters	18.500

1282-D19-1BM-62-PL

Tool assortment 1/2"



Code	No.	1B Spanners	Allen Keys	Screwdrivers	Toolbox / Inserts / Tray	D19 Sockets	Accessories	
679267	1282-D19-1BM-62-PL	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	42-88M 2 2,5 3 4 5 6 8 10 IN19 sockets 5 6 8 10 12 14	2150 4 5.5 6.5 8 2160 PH1 PH2	1282 Toolbox 1281/82-1B/62 Insert 1280/81-D19/IN19 Insert 1280/81-D19 ACC/SKT Insert 1282 - 6SD Insert 1282 - Pliers Insert 1282 Tray	8 10 11 12 13 14 15 16 17 19 21 22 23 24 26 27 28 30 32 7/16AF 9/16AF 7/8AF	50/20.8 Spark Plug Socket 62/250 Adjustable Wrench 143/250 Universal Pliers 1987 Sliding T-Bar 1990-75 Extension 1990-125 Extension 1990-250 Extension 1995 Universal Joint 1993U-10T Rev. Ratchet Pliers 8132-200 JC Telephone Pliers 8250-200 JC Combination Pliers 8316-200 JC Side Cutters	18.500

1282-C19Z-1BM-62
Tool assortment 1/2"



Code	No.	1B Spanners	Allen Keys	Screwdrivers	Toolbox / Inserts / Tray	C19 Sockets	Accessories	
679119	1282-C19Z-1BM-62	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	42-88M 2 2,5 3 4 5 6 8 10 IN19 sockets 5 6 8 10 12 14	2150 3-150 4 4-150 5.5 6.5 8 2153 5.5 2160 PH1 PH2 2161 PH2	1282 Toolbox 1281/82-1B/62 Insert 1280/81-D19/IN19 Insert 1280/81-D19 ACC/SKT Insert 1282-SD-PH-STB Insert 1282-SD-MEC-EL Insert 1282 Tray	8-5/16 10-3/8 11 12 13-1/2 14 15-19/32 16- 5/8 17 18-11/16 19-3/4 21-13/16 22 24-15/16 26-1. 27-1.1/16 29-1.1/8 30-1.3/16 32-1.1/4 7/16AF 9/16AF 7/8AF	50/20.8 Spark Plug Socket 143/250 Universal Pliers 62/250 Adjustable Wrench 1987 Sliding T-Bar 1990-75 Extension 1990-125 Extension 1990-250 Extension 1995 Universal Joint 1993Z-94 Ratchet + Coupler	18.500

1282-C19-1BMZ-62-PL-6SD
Tool assortment 1/2"



Plastic inserts



High-density foam inserts

Code	No.	1B Spanners	Allen Keys	Screwdrivers	Toolbox / Inserts / Tray	C19 Sockets	Accessories	
679232	1282-C19-1BMZ-PL-6SD (plastic inserts)	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	42-88M 2 2,5 3 4 5 6 8 10	2150 4 5.5 6.5 8 2160 PH1 PH2	1282 Toolbox 1280/81-D19 Insert 1280/81-1B Insert 1282 - EXT Insert 1282 - 6SD Insert 1282 - Pliers Insert 1282 Tray	8-5/16 10-3/8 11 12 13-1/2 14 15-19/32 16- 5/8 17 18-11/16 19-3/4 21-13/16 22 24-15/16 26-1. 27-1.1/16 29-1.1/8 30-1.3/16 32-1.1/4	137/250 Grip Pliers 145/250 Universal Pliers 1987 Sliding T-Bar 1990-75 Extension 1990-125 Extension 1990-250 Extension 1993Z-94 Ratchet + Coupler	18.000
679408	1282-FM-C19-1BMZ-PL-6SD (foam inserts)						Pliers 8132-200 JC Telephone Pliers 8250-200 JC Combination Pliers 8316-200 JC Side Cutters	

1282-D19-1BMZ-PL-6SD
Tool assortment 1/2"



Code	No.	1B Spanners	Allen Keys	Screwdrivers	Toolbox / Inserts / Tray	D19 Sockets	Accessories	
679259	1282-D19-1BMZ-PL-6SD	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	42-88M 2 2,5 3 4 5 6 8 10	2150 4 5.5 6.5 8 2160 PH1 PH2	1282 Toolbox 1280/81-D19 Insert 1280/81-1B Insert 1282 - EXT Insert 1282 - 6SD Insert 1282 - Pliers Insert 1282 Tray	8 10 11 12 13 14 15 16 17 19 21 22 23 24 26 27 28 30 32	137/250 Grip Pliers 145/250 Universal Pliers 1987 Sliding T-Bar 1990-75 Extension 1990-125 Extension 1990-250 Extension 1993Z-94 Ratchet + Coupler Pliers 8132-200 JC Telephone Pliers 8250-200 JC Combination Pliers 8316-200 JC Side Cutters	18.500

1282-C19-1BMZ-10SD
Tool assortment 1/2"



Code	No.	1B Spanners	Allen Keys	Screwdrivers	Toolbox / Inserts / Tray	C19 Sockets (679135)	Accessories	
679135	1282-C19-1BMZ-10SD	6 7 8 9 10 11 12	42-88M 2 2,5 3	2150	1282 Toolbox	8-5/16 10-3/8 11 12	137/250 Grip Pliers	19.500
679291	1282-D19-1BMZ-10SD	13 14 15 16 17 18 19 20 21 22	4 5 6 8 10	3-150 4 4-150 5.5 6.5 8 2153 5.5 2160 PH1 PH2 2161 PH2	1280/81-D19 Insert 1280/81-1B Insert 1282 - EXT Insert 1282-SD-PH-STB Insert 1282-SD-MEC-EL Insert 1282 Tray	13-1/2 14 15-19/32 16-5/8 17 18-11/16 19-3/4 21-13/16 22 24-15/16 26-1. 27-1.1/16 29-1.1/8 30-1.3/16 32-1.1/4	145/250 Universal Pliers 1987 Sliding T-Bar 1990-75 Extension 1990-125 Extension 1990-250 Extension 1993Z-94 Ratchet + Coupler D19 Sockets (679291) 8 10 11 12 13 14 15 16 17 18 19 21 22 24 26 27 29 30 32	19.500

1281-C19/22-1BA-U3

Tool assortment 1/2"

Die-cast Aluminium



*WHILE STOCKS LAST

Code	No.	1B Spanners	Allen Keys	Screwdrivers	Toolbox / Inserts / Tray	C19 Sockets	Accessories	
678589	1281-C19/22-1BA-U3	1/4AF 5/16AF 3/8AF 7/16AF 1/2AF 9/16AF 5/8AF 11/16AF 3/4AF 13/16AF 7/8AF 15/16AF 1.AF	42-88P 3/32AF 1/8AF 5/32AF 3/16AF 7/32AF 1/4AF 5/16AF 3/8AF	2150 3-150 4 4-150 5.5 6.5 8 2153 5.5 2160 PH1 PH2 2161 PH2	1281 Toolbox 1280/81-1B AF Insert 1280/81-D19 Insert 1280/81-22 ACC Insert 1280/81 Tray	8-5/16 10-3/8 11 12 13-1/2 14 15-19/32 16- 5/8 17 18-11/16 19-3/4 21-13/16 22 24-15/16 26-1. 27-1.1/16 29-1.1/8 30-1.3/16 32-1.1/4 7/16AF 9/16AF 7/8AF	50/20.8 Spark Plug Socket 137/250 Grip Pliers 141/250 Universal Pliers 1987 Sliding T-Bar 1990-75 Extension 1990-125 Extension 1990-250 Extension 1997/375 Power Bar 1995 Universal Joint 1993U-3 Rev. Ratchet	16.420

1281/1282-C19/22-1BM-10SD

Tool assortment 1/2"

Die-cast Aluminium



*WHILE STOCKS LAST

Code	No.	1B Spanners	Allen Keys	Screwdrivers	Toolbox / Inserts / Tray	C19 Sockets	Accessories	
678538	1281-C19/22-1BM-10SD	6 7 8 9 10 11 12	42-88M 2 2,5 3	2150	1281/1282 Toolbox	8-5/16 10-3/8 11 12	50/20.8 Spark Plug Socket	16.500
679011	1282-C19/22-1BM-10SD	13 14 15 16 17 18 19 20 21 22	4 5 6 8 10	3-150 4 4-150 5.5 6.5 8 2153 5.5 2160 PH1 PH2 2161 PH2	1281/2 1280/81-1B Insert 1280/81-D19 Insert 1280/81-22-ACC Insert 1282 1282-SD-PH-STB Insert 1282-SD-MEC-EL Insert 1280/81 Tray 1282 Tray	13-1/2 14 15-19/32 16-5/8 17 18-11/16 19 21-13/16 22 24-15/16 26-1. 27-1.1/16 29-1.1/8 30-1.3/16 32-1.1/4 7/16AF 9/16AF 7/8AF	137/250 Grip Pliers 145/250 Universal Pliers 1987 Sliding T-Bar 1990-75 Extension 1990-125 Extension 1990-250 Extension 1997/375 Power Bar 1995 Universal Joint 1993U-10T Rev. Ratchet	18.500

1281/1282-D19/22-1BM-10SD

Tool assortment 1/2"

Die-cast Aluminium



*WHILE STOCKS LAST

Code	No.	1B Spanners	Allen Keys	Screwdrivers	Toolbox / Inserts / Tray	D19 Sockets	Accessories	
678546	1281-D19/22-1BM-10SD	6 7 8 9 10 11 12	42-88M 2 2,5 3	2150	1281/1282 Toolbox	8 9 10 11 12 13 14	50/20.8 Spark Plug Socket	16.500
679089	1282-D19/22-1BM-10SD	13 14 15 16 17 18 19 20 21 22	4 5 6 8 10	3-150 4 4-150 5.5 6.5 8 2153 5.5 2160 PH1 PH2 2161 PH2	1281/2 1280/81-1B Insert 1280/81-D19 Insert 1280/81-22-ACC Insert 1282 1282-SD-PH-STB Insert 1282-SD-MEC-EL Insert 1280/81 Tray 1282 Tray	15 16 17 18 19 20 21 22 24 26 27 28 29 30 32	137/250 Grip Pliers 145/250 Universal Pliers 1987 Sliding T-Bar 1990-75 Extension 1990-125 Extension 1990-250 Extension 1997/375 Power Bar 1995 Universal Joint 1993U-10T Rev. Ratchet	18.500

1281/1282-C32/19-1BM-62

Tool assortment 1/2" + 3/4"

Die-cast Aluminium



*WHILE STOCKS LAST

Code	No.	1B Spanners	Allen Keys	Screwdrivers	Toolbox / Inserts / Tray	C19 / C32 Sockets	Accessories	
678740	1281-C32/19-1BM-62	6 7 8 9 10 11 12	42-88M 2 2,5 3	2150	1281/1282 Toolbox	C19 8-5/16 10-3/8 11 12	50/20.8 Spark Plug Socket	25.500
679038	1282-C32/19-1BM-62	13 14 15 16 17 18 19 20 21 22	4 5 6 8 10 IN19 sockets 5 6 8 10 12 14	3-150 4 4-150 5.5 6.5 8 2153 5.5 2160 PH1 PH2 2161 PH2	1281/2 1281/82-1B/62 Insert 1280/81-D19/IN19 Insert 1280/81-D19 ACC/SKT Insert 1280/81-D32/6 Insert 1282 1282-SD-PH-STB Insert 1282-SD-MEC-EL Insert 1280/81 - D32 Tray 1282 - D32 Tray	13-1/2 14 15-19/32 16- 5/8 17 18-11/16 19-3/4 21-13/16 22 24-15/16 26-1. 27-1.1/16 29-1.1/8 30-1.3/16 32-1.1/4 7/16AF 9/16AF 7/8AF C32 1.3/8AF 36-1.7/16 38-1.1/2 41-1.5/8 46-1.13/16 50-2.	62/250 Adjustable Wrench 143/250 Universal Pliers 1987 Sliding T-Bar 1990-75 Extension 1990-125 Extension 1990-250 Extension 1995 Universal Joint 1993U-10T Rev. Ratchet 3287/447 Sliding T-Bar 3290-200mm Extension 3290-400mm Extension 3293U-1/440 Ratchet	26.500

1282-D32/19-1BM-62
Tool assortment 1/2" + 3/4"



Code	No.	1B Spanners	Allen Keys	Screwdrivers	Toolbox / Inserts / Tray	D19 / D32 Sockets	Accessories	kg
679097	1282-D32/19-1BM-62	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	42-88M 2 2,5 3 4 5 6 8 10 IN19 5 6 8 10 12 14	2150 3-150 4 4-150 5.5 6.5 8 2153 5.5 2160 PH1 PH2 2161 PH2	1282 Toolbox 1280/81-1B/62 Insert 1280/81-D19/IN19 Insert 1280/81-D19 ACC/SKT Insert 1280/81-D32/6 Insert 1282-SD-PH-STB Insert 1282-SD-MEC-EL Insert 1282 - D32 Tray	D19 8 10 11 12 13 14 15 16 17 19 21 22 23 24 26 27 28 30 32 7/16AF 9/16AF 7/8AF D32 34 36 38 41 46 50	50/20.8 Spark Plug Socket 62/250 Adjustable Wrench 143/250 Universal Pliers 1987 Sliding T-Bar 1990-75 Extension 1990-125 Extension 1990-250 Extension 1995 Universal Joint 1993U-10T Rev. Ratchet 3287/447 Sliding T-Bar 3290-200mm Extension 3290-400mm Extension 3293U-1/440 Rev. Ratchet	25.610

1401 / 1401 PRO
Tool cabinet / assortment



12.5 1/2" mm

- > Ideal for the professional workshop.
- > Rigid sheetmetal structure with precision CNC punched pegboard.
- > Three easy-slide drawers incorporating extra strong ball bearing slide mechanisms.
- > One moveable tray, spanner and screwdriver rack and an assortment of moveable hanging hooks for maximum flexibility.
- > Lockable.
- > Phosphated to prevent corrosion. Blue and grey powder coated.
- > L=650 x W=250 x H=970.

Code	No.	Accessories							kg
661155	1401 - EMPTY with Accessories	30 x Plastic Holders with Pins	1 x Tool Rack: 17-Pin	1 x Screwdriver Rack: 6-Piece	1 x Double Storage Tray	1 x Punch Holder		45.000	

Code	No.	1B Spanners	Allen Keys	Screwdrivers	Tool Cabinet	C19 Sockets	Accessories	Accessories	kg
661163	1401 PRO - With Accessories and Tools	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	42-88M 2 2,5 3 4 5 6 8 10 IN19 5 6 8 10 12 14	2150 3-150 4 4-150 5.5 6.5 8 2153 5.5 2160 PH1 PH2 2161 PH2	1401 Accessories 30 x Plastic Holders with Pins 1 x Tool Rack: 17-Pin 1 x Double Storage Tray 1 x Screwdriver Rack: 6-Piece 1 x Punch Holder	8-5/16 10-3/8 11 12 13-1/2 14 15-19/32 16-5/8 17 18-11/16 19-3/4 21-13/16 22 24-15/16 26-1. 27-1.1/16 29-1.1/8 30-1.3/16 32-1.1/4 7/16AF 9/16AF 7/8AF	62/250 Adjustable Wrench 137/250 Grip Pliers 143/250 Universal Pliers 225/250 Pipe Wrench 1987 Sliding T-Bar 1990-75 Extension 1990-125 Extension 1990-250 Extension 1993Z-94 Ratchet + Coupler 8601/500 Ball Pein Hammer	1995 Universal Joint 8531/300 Tin Snips 50/20.8 Spark Plug Socket	55.000

1401L / 1401L PRO
Tool cabinet / assortment



12,5 1/2 mm

- > Ideal for the professional workshop.
- > Rigid sheetmetal structure with precision CNC punched pegboard.
- > Five easy-slide drawers incorporating extra strong ball bearing slide mechanisms.
- > One moveable tray, spanner and screwdriver rack and an assortment of moveable hanging hooks for maximum flexibility.
- > Lockable.
- > Phosphated to prevent corrosion. Blue and grey powder coated.
- > L=1300 x W=250 x H=970.

Code	No.	Accessories								kg
662607	1401L - EMPTY with Accessories	1 x Hook 1 Pin: 10-Piece	1 x Double Storage Tray	1 x Tool Rack: 17-Pin	1 x Screwdriver Rack: 10-Piece					90.000

Code	No.	Spanners	Allen Keys	Screwdrivers	Tool Cabinet	C19 Sockets	Accessories	Accessories	kg
662608	1401L PRO - With Accessories and Tools	1B/17M 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 No.2/11M 6x7 8x9 10x11 12x13 14x15 16x17 17x19 18x19 20x22 21x23 24x30 534/9M 10 11 12 13 14 15 16 17 19	42-88M 2 2,5 3 4 5 6 8 10 IN19 5 6 8 10 12 14 42KL-7M 1,5 2 2,5 3 4 5 6 43TX-9M T7 T8 T9 T10 T15 T20 T25 T30 T40	2150 3-150 4 4-150 5.5 6.5 8 2153 5.5 2160 PH1 PH2 2161 PH2	1401L Accessories 1 x Hook 1 Pin: 10-piece 1 x Tool Rack: 17-Pin 1 x Double Storage Tray 1 x Screwdriver Rack: 10-Piece	8-5/16 10-3/8 11 12 13-1/2 14 15-19/32 16-5/8 17 19-3/4 22 23 24-15/16 26-1. 27-1.1/16 28 30- 1.3/16 32-1.1/4	43TV Torx® Gauge Tester 8250-200JC Combination Pliers 9534.05 Tape Measure 1993Z-94 PZK Ratchet & Coupler 227/350 Pipe Wrench 1993 U-10K Plastic Ratchet VDE ELS/PH Screwdriver Set 8601-500 Ball Pein Hammer 8132-200JC Telephone Pliers 62/300 Adjustable Wrench 8380-250TL Tower Pincers 50-20.8 Spark Plug Socket 145/250 Multigrip Pliers 8316-200JC Side Cutters	9930.000 Torch 1987 Sliding T-Bar 1995 Universal Joint 1990-75 Extension 1990-125 Extension 1990-250 Extension 403 Hacksaw 36/1 Strap Wrench 8516-300 Tin Snips 106 Tool Punch Set 137/250 Grip Pliers 4611 Power Tester S8000 Circlip Pliers Set D30 FMZ Socket Set	115.400



1500W / 1500M
Artisan workstation

> Ideal for the professional workshop or DIY enthusiast.

Wooden Top



Galvanised Metal Top

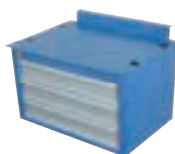


Drawer unit not included

Code	No.	Surface	L	W	H	
663166	1500-12 W	Wooden	1200 mm	700 mm	900 mm	34.000
663174	1500-15 W	Wooden	1500 mm	700 mm	900 mm	43.900
663182	1500-20 W	Wooden	2000 mm	700 mm	900 mm	53.000
663557	1500-12 M	Galvanised Metal	1200 mm	700 mm	900 mm	47.800
663565	1500-15 M	Galvanised Metal	1500 mm	700 mm	900 mm	53.200
663573	1500-20 M	Galvanised Metal	2000 mm	700 mm	900 mm	59.000

1502
Drawer units

> Sheetmetal drawer units for 1500 workbenches.



Code	No.	L	W	H	
663506	1502-2	565	395	365	18.500
663522	1502-3	565	395	365	19.200

MV
Mechanic's vice



- > All steel construction.
- > Cast iron nut on spindle.
- > Robotic welded construction.
- > Steel anvil block.

*WHILE STOCKS LAST

Code	No.	mm	mm	
6500640	MV-100mm*	125	100	6.200
6500720	MV-150mm	175	150	13.400

EV
Engineering vice



- > Heavy duty engineering vice.
- > All steel robot welded construction.
- > Robust sturdy design which can withstand hammer strikes.
- > Replaceable spindle and nut, the nut being virtually unbreakable.
- > Replaceable jaw plates, which are serrated for better grip.
- > Jaw inserts case hardened to between 540-650 HV (52-57 Rockwell).
- > Proof load kn (kiloNewton): 150mm-54kN 200mm-90kN.
- > Tensile strength of handle – 425 MPa – complies with SANS 6892.

*WHILE STOCKS LAST

Code	No.	mm	mm	
3351150G	EV-150mm	175	150	25.000
3350200G	EV-200mm	225	200	45.500

MV / EV
Vice spares

Code	No.	Code	No.
7400001	MV-100mm Jaw Set Insert	7500001	EV-150mm Jaw Set Insert
7400002	MV-150mm Jaw Set Insert	7500002	EV-200mm Jaw Set Insert
7400100	MV-100mm Spindle & Nut Set	7500006	EV-150mm & EV-200mm Spindle Only
7400150	MV-150mm Spindle & Nut Set	7500003	EV-150mm & EV-200mm Nut Only

NEW

Bench vice



- > All steel construction.
- > Cast iron nut on spindle.
- > Robotic welded construction.
- > Steel anvil block.

Code	No.	mm	Jaw Length ◀ mm ▶	Throat Depth ◀ mm ▶	Proof Load Kn	kg
3600125G	BV-120mm	140	120	60	2.5	5.400

NEW

Engineers vice



- > Heavy duty engineering vice.
- > All steel robot welded construction.
- > Robust sturdy design which can withstand hammer strikes.
- > Replaceable spindle and nut, the nut being virtually unbreakable.
- > Replaceable jaw plates, which are serrated for better grip.
- > Jaw inserts case hardened to between 540-650 HV (52-57 Rockwell).
- > Tensile strength of handle – 425 MPa – complies with SANS 6892.

Code	No.	mm	Jaw Length ◀ mm ▶	Throat Depth ◀ mm ▶	Proof Load Kn	kg
3600150G	EV-150mm	170	150	90	5	17.500
3600200G	EV-200mm	250	200	100	9	22.800
3600250G	EV-250mm	250	250	125	10	37.600

1450S

Tool panel

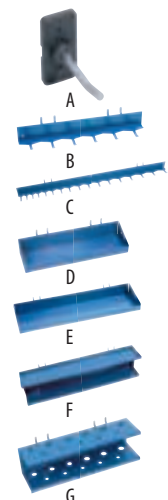


* Tools not included.

- > Ideal for the professional workshop or DIY enthusiast.
- > Rigid sheetmetal pegboard structure.
- > Numerous accessory options available.
- > Phosphated to prevent corrosion.
- > Grey powder coated.
- > L=570 x W=20 x H=1010mm.

Code	No.	kg
663123	1450S - Pegboard Only	4.900
663352	1450S - With Accessories (Tools Not Included)	5.200
Accessories	1 x PA-H3 Tool Rack: 17-Pin 10 x PA-H1 Hook: 1-Pin	

Pegboard Accessories



- > The following accessories are for the 1401, 1401L, 1404 and 1450S

Code	No.		Code	No.	
664111	PA-H1 Hook: 1-Pin, 10-Piece	A	664065	PA-T4 Screwdriver Rack - Holds 11 Screwdrivers	G
664014	PA-H2 Tool Rack: 6-Pin	B	664138	PA- Starter Pack	
664022	PA-H3 Tool Rack: 17-Pin	C		10 x PA-H1 Hook: 1-Pin	
664030	PA-T1 Small Storage Tray	D	Contents	1 x PA-H3 Tool Rack: 17-Pin	
664049	PA-T2 Large Storage Tray	E		1 x PA-T4 Screwdriver Rack - Holds 11 Screwdrivers	
664057	PA-T3 Double Storage Tray	F		1 x PA-T3 Double Storage Tray	

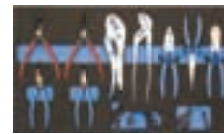
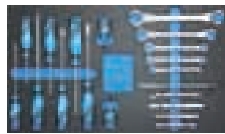
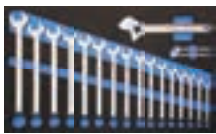
1425-5

Tool chest / assortment



1/4" 1/2"

- > Six-compartment sheetmetal tool chest.
- > Lockable.
- > Five easy-slide drawers, incorporating full extension ball bearing slide mechanisms.
- > Drawer latch incorporated into each drawer.
- > Strong structure, smooth operating hinges.
- > Can be stacked on 1525 tool trolley.
- > Retractable spring-loaded handles.
- > Load capacity per drawer 35kg.
- > Phosphated and powder coated to prevent corrosion.
- > High-density foam inserts.
- > L=687 x W=400 x H=491mm.



Code	No.	
660965	1425 / 5 Tool Chest - EMPTY	35.500

Code	No.	Tool Cabinet	1425/41/1B Foam Insert	1425/41/D19 Foam Insert	1425/27/PL Foam Insert	1425/27/SD Foam Insert	1425/27/HM Foam Insert	
660969	1425 / 5	1425 / 5	1B 6-24 Spanners (18)	C19 8-32 Sockets (24)	8000/A21 Circlip Pliers	2150 4-150 6.5 6.5-200 8	403 Hacksaw	59,500
	Comprehensive - With Tools		60CP-250 Shifting Spanner	50/20.8 Spark Plug SKT	8000/J21 Circlip Pliers	2153 5.5	9000.00 Digital Vernier	
				1987 Sliding T-Bar	8000/A2 Circlip Pliers	2160 PH1 PH2 PH3	702/21M Feeler - Gauge Set	
				IN19 5-19 Sockets (10)	8000/J2 Circlip Pliers	2161 PH2	9100 Utility Knife	
				TX19 E10-24 Sockets (8)	137/250 Vice Grip	No.400 8 x 10 Flare Nut Spanner	9534.05 Tape Measure	
				1990/75mm Extension	145/250 Universal Pliers	No.400 11 x 13 Flare Nut Spanner	248ST/40 Recoil Free Hammer	
				1990/125mm Extension	8132/200 JC Telephone Pliers	No.400 12 x 14 Flare Nut Spanner	8601/500g Hammer	
				1990/250mm Extension	8250/200 JC Combination Pliers	No.400 17 x 19 Flare Nut Spanner	106 Chisel & Punch Set (6-Piece)	
				ITX19 T20-T50 Sockets (7)	8316-200 JC Side Cutters	No.400 22 x 24 Flare Nut Spanner	95/200 Flat Chisel	
				No.20 4-13 Sockets (11)	42/88M Allen Key Set	26R Tubular Box Spanners - 8x9 10x11		
				2093Z/94 Ratchet + Coupler	43TX/09 TORX® Allen Key Set	12x13 14x15		
				2090/4 Extension		26RS/2 Stepped Tommy Bar		
				2098 Driving Handle				
				1993-U10T Rev. Ratchet				
				1997/375mm Swivel Handle				
				1995 Universal Joint				

1410

Artisan toolchest



- > Four-drawer sheetmetal tool chest.
- > Lockable.
- > Strong structure, full extension ball bearing slides.
- > Rubber anti-slip mats in each drawer.
- > Drawer latch incorporated into each drawer.
- > Can be stacked on 1510 tool trolley and other 1410 tool chests.
- > Retractable spring-loaded handles.
- > Phosphated and powder coated to prevent corrosion.
- > Load capacity per drawer 35kg.
- > L=574 x W=417 x H=384mm.

Code	No.	
660817	1410	23.000

1510
Tool trolley / assortment



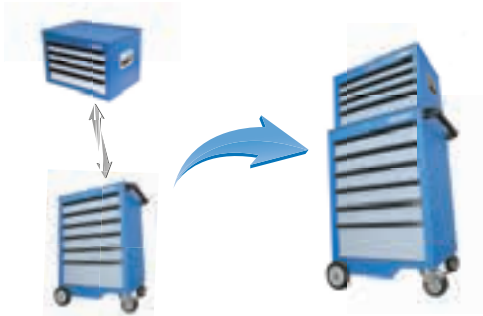
1/2"

- > Ideal for the professional workshop.
- > Rigid sheetmetal structure.
- > Five standard and one deep easy-slide drawers incorporating extra strong ball bearing slider mechanisms.
- > Central drawer locking mechanism.
- > Two swivel castors (one with safety brake) for maximum mobility and safety.
- > Handle for easy manoeuvrability.
- > Load capacity of 300kg.
- > Load capacity per drawer 35kg.
- > Blue and grey powder coated.
- > Drawer latch incorporated into each drawer.
- > L=651 x W=585 x H=877mm.

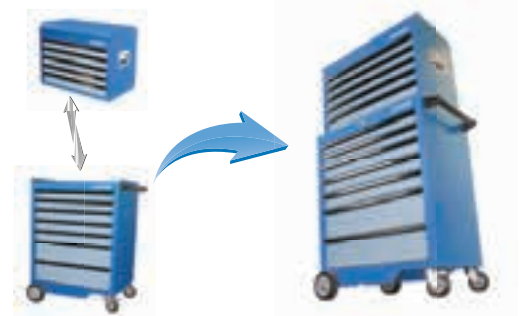
Code	No.
662792	1510 Trolley - EMPTY

kg
48.000

1410 +1510
Concept



1425 +1525
Concept



1525
Tool trolley / assortment



1/2"

- > Ideal for the professional workshop.
- > Rigid sheetmetal structure.
- > Five standard and two deep easy-slide drawers incorporating extra strong ball bearing slider mechanisms.
- > Central drawer locking mechanism.
- > Two swivel castors (one with safety brake) for maximum mobility and safety.
- > Handle for easy manoeuvrability.
- > Load capacity of 300kg.
- > Load capacity per drawer 35kg.
- > Blue and grey powder coated.
- > Drawer latch incorporated into each drawer.
- > Empty or with tools.
- > L=758 x W=602 x H=914mm.



Code	No.	kg
662794	1525 Tool Trolley - EMPTY	55.000

Code	No.	Tool Trolley	1425/41/1B Foam Insert	1425/41/D19 Foam Insert	1425/27/PL Foam Insert	1425/27/SD Foam Insert	1425/27/HM Foam Insert	kg
661325	1525	1B 6-24 Spanners (18) 60CP-250 Shifting Spanner	C19 8-32 Sockets (24) No.50/20.8 Spark Plug SKT 1987 Sliding T-Bar IN19 5-19 Sockets (10) TX19 E10-24 Sockets (8) 1990 75-125-250mm Ext ITX19 T20-T50 Sockets (7) No.20 4-13 Sockets (11) 2093Z/94 Rev. Ratchet 2098 Driving Handle 1993-U10T Rev. Ratchet 1997/375mm 1995 Universal Joint	8000/A21 Circlip Pliers 8000/J21 Circlip Pliers 8000/A2 Circlip Pliers 8000/J2 Circlip Pliers 137/250 Vice Grip 145/250 Universal Pliers 8132/200JC Telephone Pliers 8250/200JC Combination Pliers 8316-200 JC Side Cutters 42/88M Allen Key Set 43TX/09 TORX® Allen Key Set	2150 4-150 6.5 6.5-200 8 2153 5.5 2160 PH1 PH2 PH3 2161 PH2 400 8 x 10 Flare Nut Spanner 400 11 x 13 Flare Nut Spanner 400 12 x 14 Flare Nut Spanner 400 17 x 19 Flare Nut Spanner 400 22 x 24 Flare Nut Spanner 26R Tubular Box Spanners - 8x9 10x11 12x13 14x15 26RS/2 Stepped Tommy Bar	403 Hacksaw 9000.00 Digital Vernier No.702/21M FeelerGauge Set 9100.00 Utility Knife 9534.05 Tape Measure 248ST/40 Recoil Free- Hammer 8601/500g Ball PeinHammer 106 Chisel & Punch Set (6-Piece) 95/200 Flat Chisel	84.400	

1581
Tool trolley / assortment



1/2"

- > Ideal for the professional workshop.
- > Rigid sheetmetal structure with pegboard back.
- > Six standard and one deep easy-slide drawers incorporating extra strong ball bearing slider mechanisms.
- > Working platform with three compartments for small parts. Raised edges.
- > Central drawer locking mechanism.
- > Two swivel castors (one with safety brake) for maximum mobility and safety.
- > Handle for easy manoeuvrability.
- > Load capacity of 300kg.
- > Load capacity per drawer 35kg.
- > Blue and grey powder coated.
- > Drawer latch incorporated into each drawer.
- > Empty or with tools.
- > L=635 x W=495 x H=932mm.



Code	No.	kg
662801	1581 Trolley - EMPTY	56.000

Code	No.	1B Spanners	Allen Keys	Screwdrivers	Trolley / Inserts / Tray	C19 Sockets	Accessories	kg	
661306	1581	6 7 8 9 10 11	42-88M 2 2,5 3	2150	1581 Tool Trolley	C19 8-5/16 10-3/8 11	36/1 Oil Filter Strap Wrench	137/250 Grip Pliers	68.000
	Classic -	12 13 14	4 5 6 8 10	3-150 4 4-150	1281/82-1B62 Insert	12 13-1/2 14 15-19/32	62/250 Adjustable Wrench	1987 Sliding T-Bar	
	With Tools	15 16 17 18 19		5.5 6.5 8	1280/81-D19/IN19 Insert	16-5/8 17 18-11/16	143/250 Universal Pliers	1990-75 Extension	
		20 21 22	IN19 5 6 8 10 12 14	5.5	1280/81-D19 Acc/Skt Insert	19-3/4 21-13/16 22 24-	50/20.8 Spark Plug Socket	1990-125 Extension	
				1282-SD-PH-STB Insert	1282-SD-PH-STB Insert	15/16 26-1. 27-1.1/16	1993U-10T Rev. Ratchet	1990-250 Extension	
				PH1 PH2	1280/81-PL/137/36 Insert	29-1.1/8 30-1.3/16	1995 Universal Joint	8000-A2 Circlip Pliers	
				2161	1581 Filler	32-1.1/4 7/16AF 9/16AF	8250-200 JC Combination Pliers	8000-J2 Circlip Pliers	
				PH2		7/8AF	8132-200 JC Telephone Pliers		
							8316-200 JC Side Cutters		



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1425 / 41 / D19



- > GEDORE Check-Tool-System: 2-colour foam insert to check that the set is complete
- > Each tool is securely held in its own pocket, grip recesses facilitate removal of the tools

Code	No.			kg
663023	1425/41/D19			7.820
Contents	C19 8-32 Sockets (24) 1987 Sliding T-Bar 1990/75mm Extension 1990/125mm Extension 1990/250mm Extension 1995 Universal Joint	2098 Driving Handle 1993-U10T Rev. Ratchet 1997/375mm Swivel Handle 2090/4 Extension 2093Z-94 Ratchet + Coupler 1425/41/D19 Foam Insert	50/20.8 Spark Plug SKT IN19 5-19 Sockets (10) TX19 E10-24 Sockets (8) ITX19 T20-50 Sockets (7) No.20 4-13 Sockets (11)	

1425 / 41 / 1B



- > GEDORE Check-Tool-System: 2-colour foam insert to check that the set is complete
- > Each tool is securely held in its own pocket, grip recesses facilitate removal of the tools

Code	No.			kg
663024	1425/41/1B			3.210
Contents	1B 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 24 1425/41/1B Foam Insert 60CP-250 Shifting Spanner			

1425 / 27 / SP



- > GEDORE Check-Tool-System: 2-colour foam insert to check that the set is complete
- > Each tool is securely held in its own pocket, grip recesses facilitate removal of the tools

Code	No.			kg
663037	1425/27/SP			3.170
Contents	2150 4-150 (Electrician's) 2150 6.5-200 (Electrician's) 2150 6.5 (Mechanic's) 2150 8 (Mechanic's) 145/250 Universal Pliers	2160 PH1 (Phillips) 2160 PH2 (Phillips) 2160 PH3 (Phillips) 42/88M Allen Key Set 1425/27/SP Foam Insert	8132/200 Telephone Pliers 8250/200 Combination Pliers 8316-200 JC Side Cutters 137/250 Vice Grip 43TX/09 TORX® Allen Key Set	

1425 / 27 / PL



- > GEDORE Check-Tool-System: 2-colour foam insert to check that the set is complete
- > Each tool is securely held in its own pocket, grip recesses facilitate removal of the tools

Code	No.			kg
663025	1425/27/PL			3.250
Contents	8000/A21 Circlip Pliers 8000/J21 Circlip Pliers 8000/A2 Circlip Pliers 8000/J2 Circlip Pliers	137/250 Vice Grip 145/250 Universal Pliers 1425/27/PL Foam Insert 8132/200JC Telephone Pliers	8250/200JC Combination Pliers 8316-200 JC Side Cutters 42/88M Allen Key Set 43TX/09 TORX® Allen Key Set	

1425 / 27 / HM



- > GEDORE Check-Tool-System: 2-colour foam insert to check that the set is complete
- > Each tool is securely held in its own pocket, grip recesses facilitate removal of the tools

Code	No.			kg
663036	1425/27/HM			4.070
Contents	403 Hacksaw 106 Chisel & Punch Set 9534.05 Tape Measure 1425/27/HM Foam Insert	9000.00 Digital Vernier 8601/500g Ball Pein Hammer 9100.00 Utility Knife	248ST/40 Recoil Free Hammer No.702/21M Feeler Gauge Set 95/200 Flat Chisel	

1425 / 27 / SD



- > GEDORE Check-Tool-System: 2-colour foam insert to check that the set is complete
- > Each tool is securely held in its own pocket, grip recesses facilitate removal of the tools









Code	No.			kg
663035	1425/27/SD			2.150
Contents	2150 4-150 6.5 6.5-200 8 2153 5.5 2160 PH1 PH2 PH3 2161 PH2 26RS-2 Stepped Tommy Bar 1425/27/SD Foam Insert	No.400 8 x 10 Flare Nut Spanner No.400 11 x 13 Flare Nut Spanner No.400 12 x 14 Flare Nut Spanner No.400 17 x 19 Flare Nut Spanner No.400 22 x 24 Flare Nut Spanner 26R - 8x9 10x11 12x13 14x15		

1425 - 3 - 5
Spares



- > Foam inserts are not covered by the GEDORE guarantee and may be subject to degradation as well as wear and tear. Replacement foam inserts can therefore be purchased separately.

Code	No.		
562860	1425 / 41 / D19		
562865	1425 / 41 / 1B		
562870	1425 / 27 / PL		
562875	1425 / 27 / SD		
562880	1425 / 27 / HM		
562885	1425 / 27 / SP		

<p>REF A-C19/22/ACC</p> 	<p>> Toolbox, Tool Cabinet, Tool Trolley and Modular Assortments.</p>	<table border="1"> <thead> <tr> <th>Code</th> <th>No. / Insert</th> <th>Sockets</th> <th>Accessories</th> <th></th> </tr> </thead> <tbody> <tr> <td>662208</td> <td>REF A-C19/22/ACC Insert 1280/81-22-ACC</td> <td>C19 7/16AF 9/16AF 7/8AF</td> <td>50/20.8 Spark Plug Socket 1997/375 Power Bar 1987 Sliding T-Bar 1995 Universal Joint</td> <td>1990-75 Extension 1990-125 Extension 1990-250 Extension</td> <td>2.370</td> </tr> </tbody> </table>	Code	No. / Insert	Sockets	Accessories		662208	REF A-C19/22/ACC Insert 1280/81-22-ACC	C19 7/16AF 9/16AF 7/8AF	50/20.8 Spark Plug Socket 1997/375 Power Bar 1987 Sliding T-Bar 1995 Universal Joint	1990-75 Extension 1990-125 Extension 1990-250 Extension	2.370
Code	No. / Insert	Sockets	Accessories										
662208	REF A-C19/22/ACC Insert 1280/81-22-ACC	C19 7/16AF 9/16AF 7/8AF	50/20.8 Spark Plug Socket 1997/375 Power Bar 1987 Sliding T-Bar 1995 Universal Joint	1990-75 Extension 1990-125 Extension 1990-250 Extension	2.370								
<p>REF B-C19</p> 	<p>> Toolbox, Tool Cabinet, Tool Trolley and Modular Assortments.</p>	<table border="1"> <thead> <tr> <th>Code</th> <th>No. / Insert</th> <th>Sockets</th> <th>Accessories</th> <th></th> </tr> </thead> <tbody> <tr> <td>662216</td> <td>REF B-C19 Insert 1280/81-D19</td> <td>C19 8-5/16 10-3/8 11 12 13-1/2 14 15-19/32 16-5/8 17 18-11/16 19-3/4 21-13/16 22 24-15/16 26-1. 27-1.1/16 29-1.1/8 30-1.3/16 32-1.1/4</td> <td></td> <td>1993U-10T Rev. Ratchet</td> <td>2.710</td> </tr> </tbody> </table>	Code	No. / Insert	Sockets	Accessories		662216	REF B-C19 Insert 1280/81-D19	C19 8-5/16 10-3/8 11 12 13-1/2 14 15-19/32 16-5/8 17 18-11/16 19-3/4 21-13/16 22 24-15/16 26-1. 27-1.1/16 29-1.1/8 30-1.3/16 32-1.1/4		1993U-10T Rev. Ratchet	2.710
Code	No. / Insert	Sockets	Accessories										
662216	REF B-C19 Insert 1280/81-D19	C19 8-5/16 10-3/8 11 12 13-1/2 14 15-19/32 16-5/8 17 18-11/16 19-3/4 21-13/16 22 24-15/16 26-1. 27-1.1/16 29-1.1/8 30-1.3/16 32-1.1/4		1993U-10T Rev. Ratchet	2.710								
<p>REF C-1B</p> 	<p>> Toolbox, Tool Cabinet, Tool Trolley and Modular Assortments.</p>	<table border="1"> <thead> <tr> <th>Code</th> <th>No. / Insert/Tray</th> <th>1B Spanners</th> <th>Accessories</th> <th></th> </tr> </thead> <tbody> <tr> <td>662224</td> <td>REF C-1B Insert 1280/81-1B Metal Tray 1280/81</td> <td>6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22</td> <td></td> <td>137/250 Grip Pliers 145/250 Universal Pliers 42/88M Allen Key Set</td> <td>4.100</td> </tr> </tbody> </table>	Code	No. / Insert/Tray	1B Spanners	Accessories		662224	REF C-1B Insert 1280/81-1B Metal Tray 1280/81	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22		137/250 Grip Pliers 145/250 Universal Pliers 42/88M Allen Key Set	4.100
Code	No. / Insert/Tray	1B Spanners	Accessories										
662224	REF C-1B Insert 1280/81-1B Metal Tray 1280/81	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22		137/250 Grip Pliers 145/250 Universal Pliers 42/88M Allen Key Set	4.100								
<p>REF D - C19 / IN19</p> 	<p>> Toolbox, Tool Cabinet, Tool Trolley and Modular Assortments.</p>	<table border="1"> <thead> <tr> <th>Code</th> <th>No. / Insert</th> <th>Sockets</th> <th>Allen Key Sockets</th> <th></th> </tr> </thead> <tbody> <tr> <td>662232</td> <td>REF D-C19/IN19 Insert 1280/81-D19/IN19</td> <td>C19 8-5/16 10-3/8 11 12 13-1/2 14 15-19/32 16-5/8 17 18-11/16 19-3/4 21-13/16 22 24-15/16 26-1. 27-1.1/16 29-1.1/8 30-1.3/16 32-1.1/4</td> <td>IN19 5 6 8 10 12 14</td> <td>2.670</td> </tr> </tbody> </table>	Code	No. / Insert	Sockets	Allen Key Sockets		662232	REF D-C19/IN19 Insert 1280/81-D19/IN19	C19 8-5/16 10-3/8 11 12 13-1/2 14 15-19/32 16-5/8 17 18-11/16 19-3/4 21-13/16 22 24-15/16 26-1. 27-1.1/16 29-1.1/8 30-1.3/16 32-1.1/4	IN19 5 6 8 10 12 14	2.670	
Code	No. / Insert	Sockets	Allen Key Sockets										
662232	REF D-C19/IN19 Insert 1280/81-D19/IN19	C19 8-5/16 10-3/8 11 12 13-1/2 14 15-19/32 16-5/8 17 18-11/16 19-3/4 21-13/16 22 24-15/16 26-1. 27-1.1/16 29-1.1/8 30-1.3/16 32-1.1/4	IN19 5 6 8 10 12 14	2.670									
<p>REF E-1B / 62</p> 	<p>> Toolbox, Tool Cabinet, Tool Trolley and Modular Assortments.</p>	<table border="1"> <thead> <tr> <th>Code</th> <th>No. / Insert</th> <th>1B Spanners</th> <th>Accessories</th> <th></th> </tr> </thead> <tbody> <tr> <td>662240</td> <td>REF E-1B/62 Insert 1281/82-1B/62 Metal Tray 1280/81</td> <td>6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22</td> <td></td> <td>62/250 Adjustable Wrench 143/250 Universal Pliers 42/88M Allen Key Set</td> <td>4.120</td> </tr> </tbody> </table>	Code	No. / Insert	1B Spanners	Accessories		662240	REF E-1B/62 Insert 1281/82-1B/62 Metal Tray 1280/81	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22		62/250 Adjustable Wrench 143/250 Universal Pliers 42/88M Allen Key Set	4.120
Code	No. / Insert	1B Spanners	Accessories										
662240	REF E-1B/62 Insert 1281/82-1B/62 Metal Tray 1280/81	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22		62/250 Adjustable Wrench 143/250 Universal Pliers 42/88M Allen Key Set	4.120								
<p>REF F - D19 / ACC / SKT</p> 	<p>> Toolbox, Tool Cabinet, Tool Trolley and Modular Assortments.</p>	<table border="1"> <thead> <tr> <th>Code</th> <th>No. / Insert</th> <th>Sockets</th> <th>Accessories</th> <th></th> </tr> </thead> <tbody> <tr> <td>662259</td> <td>REF F-D19/ACC/SKT Insert 1280/81-D19 ACC/SKT</td> <td>D19 7/16AF 9/16AF 7/8AF</td> <td>50/20.8 Spark Plug SKT 1987 Sliding T-Bar 1995 Universal Joint 1993U-10T Rev. Ratchet</td> <td>1990-75 Extension 1990-125 Extension 1990-250 Extension</td> <td>2.180</td> </tr> </tbody> </table>	Code	No. / Insert	Sockets	Accessories		662259	REF F-D19/ACC/SKT Insert 1280/81-D19 ACC/SKT	D19 7/16AF 9/16AF 7/8AF	50/20.8 Spark Plug SKT 1987 Sliding T-Bar 1995 Universal Joint 1993U-10T Rev. Ratchet	1990-75 Extension 1990-125 Extension 1990-250 Extension	2.180
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<p>REF G - C32 / 6</p> 	<p>> Toolbox, Tool Cabinet, Tool Trolley and Modular Assortments.</p>	<table border="1"> <thead> <tr> <th>Code</th> <th>No. / Insert</th> <th>Sockets</th> <th>Accessories</th> <th></th> </tr> </thead> <tbody> <tr> <td>662267</td> <td>REF G-C32/6 Insert 1280/81-D32/6</td> <td>C32 1.3/8AF 36-1.7/16 38-1.1/2 41-1.5/8 46-1.13/16 50-2.</td> <td></td> <td>3287/447 Sliding T-Bar 3290-200 Extension 3290-400 Extension 3293U-1/440 Rev. Ratchet</td> <td>8.700</td> </tr> </tbody> </table>	Code	No. / Insert	Sockets	Accessories		662267	REF G-C32/6 Insert 1280/81-D32/6	C32 1.3/8AF 36-1.7/16 38-1.1/2 41-1.5/8 46-1.13/16 50-2.		3287/447 Sliding T-Bar 3290-200 Extension 3290-400 Extension 3293U-1/440 Rev. Ratchet	8.700
Code	No. / Insert	Sockets	Accessories										
662267	REF G-C32/6 Insert 1280/81-D32/6	C32 1.3/8AF 36-1.7/16 38-1.1/2 41-1.5/8 46-1.13/16 50-2.		3287/447 Sliding T-Bar 3290-200 Extension 3290-400 Extension 3293U-1/440 Rev. Ratchet	8.700								
<p>REF H - D19 / 22 / ACC</p> 	<p>> Toolbox, Tool Cabinet, Tool Trolley and Modular Assortments.</p>	<table border="1"> <thead> <tr> <th>Code</th> <th>No. / Insert</th> <th>Sockets</th> <th>Accessories</th> <th></th> </tr> </thead> <tbody> <tr> <td>662275</td> <td>REF H-D19/22/ACC Insert 1280/81-22-ACC</td> <td>D19 9 18 20</td> <td></td> <td>50/20.8 Spark Plug Socket 1987 Sliding T-Bar 1990-75 Extension 1990-125 Extension 1990-250 Extension 1995 Universal Joint 1997/375 Power Bar</td> <td>2.360</td> </tr> </tbody> </table>	Code	No. / Insert	Sockets	Accessories		662275	REF H-D19/22/ACC Insert 1280/81-22-ACC	D19 9 18 20		50/20.8 Spark Plug Socket 1987 Sliding T-Bar 1990-75 Extension 1990-125 Extension 1990-250 Extension 1995 Universal Joint 1997/375 Power Bar	2.360
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662275	REF H-D19/22/ACC Insert 1280/81-22-ACC	D19 9 18 20		50/20.8 Spark Plug Socket 1987 Sliding T-Bar 1990-75 Extension 1990-125 Extension 1990-250 Extension 1995 Universal Joint 1997/375 Power Bar	2.360								

REF
I - D19



> Toolbox, Tool Cabinet,
Tool Trolley and Modular
Assortments.

Code	No. / Insert	Sockets	Accessories	
662283	REF I-D19 Insert 1280/81-D19	D19 8 10 11 12 13 14 15 16 17 19 21 22 24 26 27 28 29 30 32	1993U-10T Rev. Ratchet	2.360

REF
J - D19 / IN19



> Toolbox, Tool Cabinet,
Tool Trolley and Modular
Assortments.

Code	No. / Insert	Sockets	Allen Key Sockets	
662291	REF J-D19/IN19 Insert 1280/81-D19/IN19	D19 8 10 11 12 13 14 15 16 17 18 19 21 22 24 26 27 29 30 32	IN19 5 6 8 10 12 14	2.720

REF
K - D32 / 6



> Toolbox, Tool Cabinet,
Tool Trolley and Modular
Assortments.

Code	No. / Insert	Sockets	Accessories	
662321	REF K-D32/6 Insert 1280/81-D32/6	D32 1.3/8AF 36 38 41 46 50	3287/447 Sliding T-Bar 3290-200 Extension 3290-400 Extension 3293U-1/440 Rev. Ratchet	8.710

REF
L - PL / 137 / 36



> Toolbox, Tool Cabinet,
Tool Trolley and Modular
Assortments.

Code	No. / Insert	Pliers/Circlip Pliers	Accessories	
662356	REF L-PL/137/36 Insert 1280/81- PL137/36	Pliers 8132/200 JC Telephone Pliers 8250/200 JC Universal Pliers 8316/200 JC Side Cutters Circlip Pliers 8000-A2 8000-J2	36/1 Strap Wrench 137/250 Grip Pliers	2.390

REF
M - MF - PL / 81 /
82 / 83



> Toolbox, Tool Cabinet,
Tool Trolley and Modular
Assortments.

Code	No. / Insert	Pliers	
662941	REF M-PL/81/82/83 Ass.	8132/200 JC Telephone Pliers	2.700
663082	REF MF-PL/81/82/83 Ass. Insert 1282-Pliers	8250/200 JC Universal Pliers 8316/200 JC Side Cutters	2.010

REF
N - 10



> Toolbox, Tool Cabinet,
Tool Trolley and Modular
Assortments.

Code	Insert	2150	2153	2160	2161	
662968	1282-2161 ELS+PH 1282-2150 MEC	3-150 4-150 4 5.5 6.5 8	5.5	PH1 PH2	PH2	2.100

REF
O - 6SD



> Toolbox, Tool Cabinet,
Tool Trolley and Modular
Assortments.








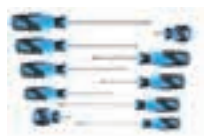
Code	No.	2150	2160	
663018	REFO-6SD Insert 1282-6SD 3C	4 5.5 6.5 8	PH1 PH2	1.780

REF
OF



> Toolbox, Tool Cabinet,
Tool Trolley and Modular
Assortments.

Code	No.	2150	2160	
663083	REF OF-6SD Insert REF OA-2150-6SD Foam Insert	4 5.5 6.5 8	PH1 PH2	0.730

<p>REF P - 4 EXT T - BAR</p> 	<p>> Toolbox, Tool Cabinet, Tool Trolley and Modular Assortments.</p>	<table border="1"> <thead> <tr> <th>Code</th> <th>No. / Insert</th> <th>Accessories</th> <th></th> </tr> </thead> <tbody> <tr> <td>663020</td> <td>REF P-4 Ext – T-bar Ass Insert 1282 EXT</td> <td>1990-75 Extension 1990-125 Extension 1990-250 Extension 1987 Sliding T-Bar</td> <td>1.100</td> </tr> </tbody> </table>	Code	No. / Insert	Accessories		663020	REF P-4 Ext – T-bar Ass Insert 1282 EXT	1990-75 Extension 1990-125 Extension 1990-250 Extension 1987 Sliding T-Bar	1.100																
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<p>REF PF - 4 EXT T - BAR</p> 	<p>> Toolbox, Tool Cabinet, Tool Trolley and Modular Assortments.</p>	<table border="1"> <thead> <tr> <th>Code</th> <th>No. / Insert</th> <th>Accessories</th> <th></th> </tr> </thead> <tbody> <tr> <td>663084</td> <td>REF PF-4 Ext – T-bar Ass Insert Foam</td> <td>1990-75 Extension 1990-125 Extension 1990-250 Extension 1987 Sliding T-Bar</td> <td>1.080</td> </tr> </tbody> </table>	Code	No. / Insert	Accessories		663084	REF PF-4 Ext – T-bar Ass Insert Foam	1990-75 Extension 1990-125 Extension 1990-250 Extension 1987 Sliding T-Bar	1.080																
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<p>REF Q - 4</p> 	<p>> Toolbox, Tool Cabinet, Tool Trolley and Modular Assortments.</p>	<table border="1"> <thead> <tr> <th>Code</th> <th>No. / Insert</th> <th>Accessories</th> <th></th> </tr> </thead> <tbody> <tr> <td>663022</td> <td>REF Q-4 ACC – Power Bar Ass. Insert 1282-4 ACC.</td> <td>1990-75 Extension 1990-250 Extension 1995 Universal Joint 1997-375 Swivel Handle</td> <td>1.300</td> </tr> </tbody> </table>	Code	No. / Insert	Accessories		663022	REF Q-4 ACC – Power Bar Ass. Insert 1282-4 ACC.	1990-75 Extension 1990-250 Extension 1995 Universal Joint 1997-375 Swivel Handle	1.300																
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<p>REF QF - 4</p> 	<p>> Toolbox, Tool Cabinet, Tool Trolley and Modular Assortments.</p>	<table border="1"> <thead> <tr> <th>Code</th> <th>No. / Insert</th> <th>Accessories</th> <th></th> </tr> </thead> <tbody> <tr> <td>663085</td> <td>REF QF-4 ACC – Power Bar Ass. Insert Ref Q 1997</td> <td>1990-75 Extension 1990-250 Extension 1995 Universal Joint 1997-375 Swivel Handle</td> <td>1.300</td> </tr> </tbody> </table>	Code	No. / Insert	Accessories		663085	REF QF-4 ACC – Power Bar Ass. Insert Ref Q 1997	1990-75 Extension 1990-250 Extension 1995 Universal Joint 1997-375 Swivel Handle	1.300																
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<p>REF RF - C19Z / Z94</p> 	<p>> Toolbox, Tool Cabinet, Tool Trolley and Modular Assortments.</p>	<table border="1"> <thead> <tr> <th>Code</th> <th>No. / Insert</th> <th>Sockets</th> <th>Accessories</th> <th></th> </tr> </thead> <tbody> <tr> <td>663086</td> <td>REF RF-C19/Z94</td> <td>C19 8-5/16 10-3/8 11 12 13-1/2 14 15-19/32 16-5/8 17 18 19 20 21-13/16 22 24-15/16 26-1. 27-1.1/16 29-1.1/8 30-1.3/16 32-1.1/4</td> <td>1993 Z-94 Ratchet + Coupler</td> <td>2.330</td> </tr> </tbody> </table>	Code	No. / Insert	Sockets	Accessories		663086	REF RF-C19/Z94	C19 8-5/16 10-3/8 11 12 13-1/2 14 15-19/32 16-5/8 17 18 19 20 21-13/16 22 24-15/16 26-1. 27-1.1/16 29-1.1/8 30-1.3/16 32-1.1/4	1993 Z-94 Ratchet + Coupler	2.330														
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<p>REF SF - 1B / 145</p> 	<p>> Toolbox, Tool Cabinet, Tool Trolley and Modular Assortments.</p>	<table border="1"> <thead> <tr> <th>Code</th> <th>No. / Insert/Tray</th> <th>1B Spanners</th> <th>Accessories</th> <th></th> </tr> </thead> <tbody> <tr> <td>663087</td> <td>REF SF-1B/145 Insert 1280/81-1B Metal Tray 1282</td> <td>6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22</td> <td>137/250 Grip Pliers 145/250 Universal Pliers 42/88M Allen Key Set</td> <td>3.960</td> </tr> </tbody> </table>	Code	No. / Insert/Tray	1B Spanners	Accessories		663087	REF SF-1B/145 Insert 1280/81-1B Metal Tray 1282	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	137/250 Grip Pliers 145/250 Universal Pliers 42/88M Allen Key Set	3.960														
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<p>REF WF - VF</p> 	<p>> Toolbox, Tool Cabinet, Tool Trolley and Modular Assortments.</p>	<table border="1"> <thead> <tr> <th>Code</th> <th>Inserts</th> <th>2150</th> <th>2153</th> <th>2160</th> <th>2161</th> <th>2153</th> <th></th> </tr> </thead> <tbody> <tr> <td>663092</td> <td>REF WF-2153</td> <td>4 5.5 6.5 8</td> <td></td> <td></td> <td></td> <td>5.5</td> <td>0.580</td> </tr> <tr> <td>663091</td> <td>REF VF-2161</td> <td>3-150 4-150</td> <td></td> <td>PH1 PH2</td> <td>PH2</td> <td></td> <td>0.450</td> </tr> </tbody> </table>	Code	Inserts	2150	2153	2160	2161	2153		663092	REF WF-2153	4 5.5 6.5 8				5.5	0.580	663091	REF VF-2161	3-150 4-150		PH1 PH2	PH2		0.450
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<p>REF 10SD</p> 	<p>> Toolbox, Tool Cabinet, Tool Trolley and Modular Assortments.</p>	<table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> <th>2150</th> <th>2153</th> <th>2160</th> <th>2161</th> <th></th> </tr> </thead> <tbody> <tr> <td>662348</td> <td>10SD</td> <td>4 5.5 6.5 8 5.5</td> <td></td> <td></td> <td>PH1 PH2 PH2</td> <td>1.830</td> </tr> </tbody> </table>	Code	Description	2150	2153	2160	2161		662348	10SD	4 5.5 6.5 8 5.5			PH1 PH2 PH2	1.830										
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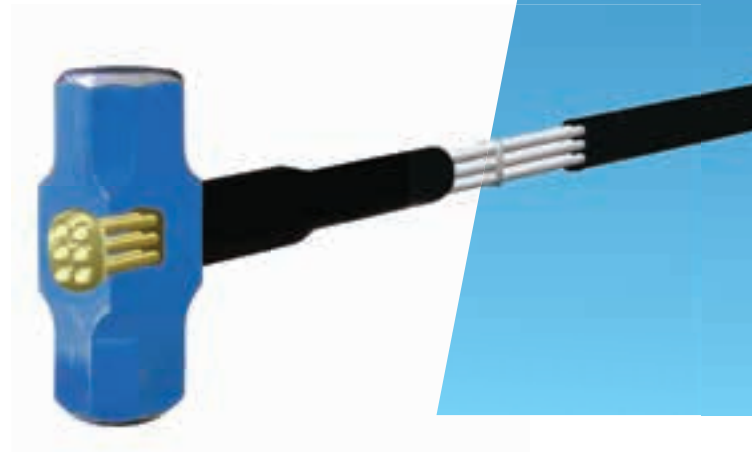
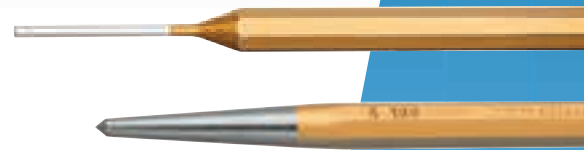
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HAMMERS AND STRIKING TOOLS

Strike by strike: hammers and striking tools from GEDORE withstand the toughest stress and force.

From the head to the handle, when it comes to hammers, it's safety that counts above all. GEDORE hammers adhere to the highest of SANS standards. Attention is paid to the correct tempering of the drop forged hammer head, a clean edge break on the face and pein, and the secure connection between head and handle.

GEDORE also makes no compromises when it comes to pin punches, drift punches and centre punches. All striking tools are hot forged, hardened and tempered along the full length with striking heads induction tempered to prevent shattering. This ensures the highest level of stability and work safety.

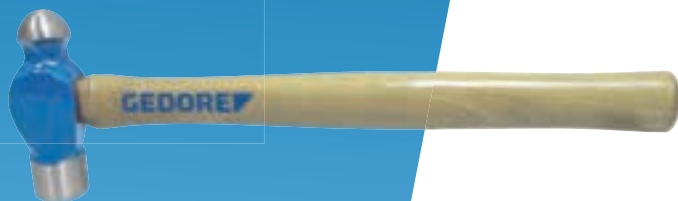


BALANCED
NON-SLIP



HAMMER QUALITY FROM ONE HAND

- Drop forged
- Striking faces induction hardened and precision ground



HARDWOOD HANDLES

- Hardwood handles withstand 3 to 4 times higher impacts



CHISEL AND PUNCH SETS

- Comes in a sturdy PVC stand.
- Working edge polished and clear varnished.
- Made from Chrome Molybdenum Vanadium air hardened 45CrMoV7 steel.

i RECOIL-FREE HAMMERS

YOUR ADVANTAGE

- Due to the special filling insert in the hammer head a considerably higher impact is made compared to standard engineers' and recoilless hammers
- Universal use for service and assembly work, with all the advantages of a recoilless hammer with higher impact
- "Dead blows" with no recoil reduce stress on muscles, nerves and wrists
- Lower cost due to universal use as an engineer's and recoilless hammer
- Recoilless hammers protect sensitive surfaces
- Each blow is more effective than standard safety hammers
- Available with hickory, tubular steel or fibreglass handles
- Exchangeable inserts, resistant to breakage or wear, made of modified polyamide

FUNCTION

- The hollow hammer head is filled with steel shot. Small steel balls with a high carbon content.
- Workpiece "adhesion" and a "fully-felt" strike come from the practically 100% pulse transfer onto the workpiece.
- The impact (colloquial term for pulse) results principally from the kinetic energy of the fine-grained steel shot.
- The hammer head mass is slight compared to steel shot.
- That is why the counter pulse triggered by the hammer head is not felt.
- Bouncing blows are avoided.
- Goes easy on one's joints and tendons.



248 ST Recoil-free hammers



- > With very robust and durable steel tube handle
- > Splinter-proof, shatter-proof and wear-resistant polyamide heads, 75 Shore D, tested to -20° C

Code	No.	Ø mm	l mm	g
8828950	248 ST-30	30 mm	290 mm	0.600
8829170	248 ST-40	40 mm	300 mm	0.800
8829250	248 ST-50	50 mm	310 mm	1.005
8829330	248 ST-60	60 mm	335 mm	1.800

E 248 Polyamide spare head

- > Made of shatterproof, break and wear resistant polyamide, 75 Shore D, tested to -20° C



Code	No.	Ø mm	g
8830260	E 248-30	30	0.015
8830420	E 248-40	40	0.031
8830500	E 248-50	50	0.050
8830690	E 248-60	60	0.090

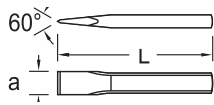
8601 Ball pein hammers



- > Drop forged.
- > Striking faces induction hardened and precision ground
- > Blue epoxy powder coated.
- > In accordance with SANS 387.
- > Hardwood handles.

Code	No.	mm	kg
676381	8601 / 100	280	0.160
676403	8601 / 200	310	0.320
676411	8601 / 300	325	0.420
676438	8601 / 500	370	0.610
676446	8601 / 700	375	0.840
676519	8601 / 900	400	1.140
676527	8601 / 1100	410	1.240

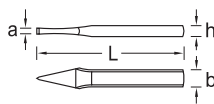
95 Flat cold chisels



- > Acc. to DIN 6453
- > Vanadium Steel
- > Striking heads inductively tempered

Code	No.	L	a	b	h	kg
8698640	95-125	125	15,0	14	9	0.100
8698720	95-150	150	18,0	17	11	0.190
8698800	95-175	175	21,0	20	12	0.280
8698990	95-200	200	24,0	23	13	0.390
8699100*	95-250	250	28,0	26	13	0.570
8699370*	95-300	300	30,0	26	13	0.710

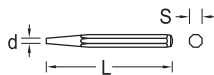
96 Cross-cut chisels



- > Acc. to DIN 6451
- > Vanadium Steel
- > Striking heads inductively tempered

Code	No.	L	a	b	h	kg
8702180	96-125	125	5,0	14	9	0.098
8702260	96-150	150	6,0	17	11	0.170
8702340	96-175	175	7,0	17	11	0.210
8702420	96-200	200	8,0	20	12	0.290
8702500	96-250	250	9,0	23	13	0.460

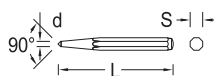
99 Drift punches, octagonal



- > Acc. to DIN 6458
- > GEDORE vanadium steel
- > Striking heads inductively tempered
- > Special sizes available on request

Code	No.	d	L	s	kg
8708700	99 10-1	1	120	10	0.060
8708970	99 10-2	2	120	10	0.061
8709190	99 10-3	3	120	10	0.063
8711170	99 12-4	4	120	12	0.086
8711330	99 12-5	5	120	12	0.091
8711410	99 12-6	6	120	12	0.094
8711680	99 12-7	7	120	12	0.096
8711760	99 12-8	8	120	12	0.099

100 Centre punches, octagonal



- > Acc. to DIN 7250
- > Vanadium Steel
- > Striking heads inductively tempered

Code	No.	d	L	s	kg
8721050	100-10	4	120	10	0.063
8721130	100-12	5	120	12	0.091
8721210	100-15	5	150	12	0.119
8721480	100-16	8	150	16	0.216

108 UNI Protective hand guard



- > Made from PVC
- > Highest safety for the hand in case of misses due to an enlarged and double protection plate
- > Avoids injuries of the hand

- > No rolling away (elliptical-shaped)
- > Jarring blows do not move into the hand
- > For all chisels from 250 mm length

Code	No.	oval	octagonal	kg
8658500	108 UNI	20 x 12 23 x 13 26 x 13 26 x 7	14 16 18 20	0.182

HAMMERS / STRIKING TOOLS

106
Chisel & punch set,
6 pieces



- > Vanadium Steel
- > Striking heads inductively tempered

Code	No.	Contents	Packaged	
8725200	106	97-125 150 98-125 99 12-3 100-10 119-4	PVC holder	0.550

113
Drift punch set,
6 pieces



- > GEDORE Vanadium steel
- > Striking heads inductively tempered

Code	No.	Contents	Packaged	
8753680	113	99 10-1 2 3 99 12-4 5 100-10	PVC holder	0.450

116
Pin punch set,
6 pieces



- > Acc. to DIN 6451
- > Vanadium Steel
- > Striking heads inductively tempered

Code	No.	Contents	Packaged	
8757670	116	119-3 119-4 119-5 119-6 119-7 119-8	PVC holder	0.510

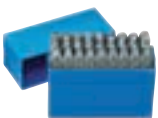
2200
Number set,
9 pieces



- > 6mm print height. 9 numbers.
- > To label finished parts such as signs, tools etc.
- > In blue plastic box.
- > Made from hardened steel, with hardened handle and tempered striking head to prevent shattering.

Code	No.	
8605140	2200 - 6	0.300

2201
Letter set,
27 pieces



- > 6mm print height. 27 letters.
- > To label finished parts such as signs, tools etc.
- > In blue plastic box.
- > Made from hardened steel, with hardened handle and tempered striking head to prevent shattering.

Code	No.	
8605220	2201 - 6	1.300

640S

Sledge hammers

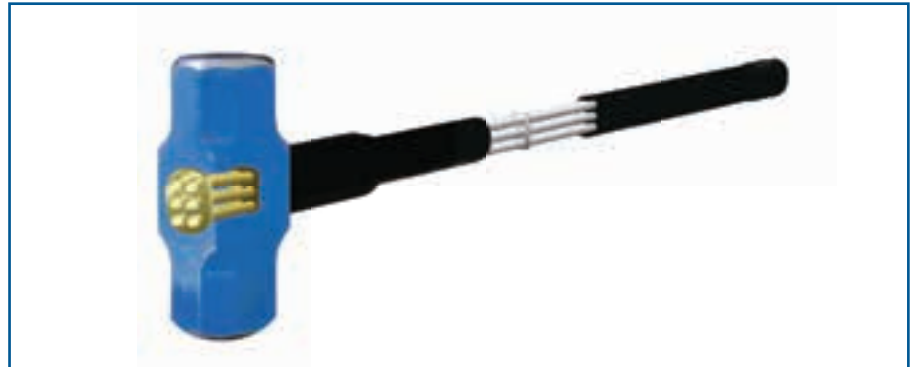


- > Handle core contains high tensile steel rods moulded in abrasive-resistant rubber ensuring outstanding durability.
- > Locking plate design ensures head will not separate from the handle.
- > The abrasive-resistant rubber is injected all the way into the eye of the hammer head.
- > Superior quality rubber handle provides excellent grip in wet and dry conditions allowing for versatility and safety.
- > 50-58HRC.

Code	No.	g	↳ mm	⚖
676532	620S-3.6	3600	535	3.600
676533	620S-6.3	6300	710	6.300

Applications: Mining, Building & Construction, Demolition, Heavy Industry, Military, Emergency Services.

Powerful Reinforcement



622C

Copper sledge hammers



- > Handle contains high tensile steel rods moulded in abrasive-resistant rubber ensuring outstanding durability.
- > Superior quality rubber handle provides excellent grip in wet and dry conditions allowing for versatility and safety.
- > Head 99.98% copper reduces damage to workpieces and reduces chance of sparking in hazardous areas.

Code	No.	g	↳ mm	⚖
676534	622C-1.8	1800	250	1.800
676536	622C-3.6	3600	535	3.600
676538	622C-6.3	6300	710	6.300

Applications: Mining, Petrochemical, Engineering, Toolmaking

620C

Club hammers



- > Handle contains high tensile steel rods moulded in abrasive-resistant rubber ensuring outstanding durability.
- > Locking plate design ensures head will not separate from the handle.
- > The abrasive-resistant rubber is injected all the way into the eye of the hammer head.
- > Superior quality rubber handle provides excellent grip in wet and dry conditions allowing for versatility and safety.
- > 50-58HRC.

Code	No.	g	↳ mm	⚖
676530	620C-1.1	1100	250	1.100
676531	620C-1.8	1800	250	1.800

Applications: Mining, Construction, Steelwork, Fencing, Electrical Engineering, Chiseling and Chasing, Surveying

650C

Club hammers



- > Fine grain high alloy steel/ carbon steel.
- > Drop forged.
- > Heat treated and induction hardened.
- > Highly polished head.
- > Polyprop handle.
- > Comfortable shock absorbant vinyl grip.
- > 50-58HRC.

Code	No.	g	↳ mm	⚖
6765392	650C-1.1	1100	260	1.100
6765390	650C-1.8	1800	275	1.800

VDE INSULATED TOOLS

When working on electrical installations or hybrid and electric vehicles safety at work is the top priority. With insulated tools from GEDORE, you are on the safe side.

All VDE safety tools made by GEDORE - from spanners, screwdrivers and pliers to torque wrenches - are manufactured in such a way that they reliably protect the user from electrical shock when used as intended. To achieve this, GEDORE performs every single step, right down to the 100% testing of the electrical insulation properties on the 10,000 V high-voltage test facility.

In addition, all VDE tools meet the DIN-ISO requirements with regard to their properties such as hardness and torque.

GEDORE is not satisfied with just the standard. That is why the tools have intelligent additional functions such as the Check-Tool insulation or the ultra-small blade diameter of the SLIM DRIVE screwdrivers.



HOW DO I RECOGNISE SAFE INSULATED TOOLS?

- Only tools with all test marks are considered to be insulated
- Additionally marked with the name of the manufacturer, model or type designation and year of manufacture



- Tools marked with the double triangle are individually tested
- Testing at 10,000 V AC based on EN 60900/IEC 60900

1000 V

- VDE insulation: insulated up to 1000 V



- Testing performed by VDE Test Institute
- Compliance with tool and safety standards guaranteed
- Tools meet the requirements of the German equipment safety law



- Tool complies with the Equipment and Product Safety Act (GSPG) according to testing and certification office



SAFE INSULATED



SAFE UP TO 1000 VOLT

- VDE insulation: insulated up to 1000 V according to EN 60900/IEC 60900
- Safe working under electrical voltage
- Up to AC 1000 V (alternating voltage)
- Up to DC 1500 V (direct voltage)

VDE CHECK-TOOL INSULATION

- All GEDORE VDE soft-plastic insulated safety tools have the Check-Tool insulation.
- The two-colour multi-layer insulation - red on the outside, yellow on the inside - complies with the BGV A3 (VBG-4) regulation.
- The tool must not show any discernable damage. If yellow is visible, it is high time to dispose of the tool



The two-ply
Check-Tool
insulation

VDE 2 E
VDE single ended ring spanners, deep offset



- > Vanadium steel 31CrV3
- > protective insulation up to 1000 V, according to EN 60900/IEC 60900, 2-fold Check-Tool insulation

WHILE STOCKS LAST / INDENT ONLY

Code	No.	⌀	l mm	kg	Code	No.	⌀	l mm	kg
6036000	VDE 2 E 10	10	170	0.097	6036780	VDE 2 E 17	17	220	0.199
6036190	VDE 2 E 11	11	180	0.093	6036860	VDE 2 E 19	19	240	0.244
6036350	VDE 2 E 13	13	190	0.130	6037320	VDE 2 E 32	32	330	0.683
6036430	VDE 2 E 14	14	210	0.151					

VDE 894
VDE single open ended spanners



- > Vanadium steel 31CrV3
- > protective insulation up to 1000 V, according to EN 60900/IEC 60900, 2-fold Check-Tool insulation
- > Jaw set at 15°

Code	No.	⌀ mm	l mm	kg	Code	No.	⌀ mm	l mm	kg
6572120	VDE 894 10	10	105	0.034	6572980	VDE 894 17	17	160	0.117
6572200	VDE 894 11	11	115	0.044	6573010	VDE 894 19	19	175	0.161
6572470	VDE 894 13	13	135	0.067	6574920	VDE 894 32	32	280	0.558
6572550	VDE 894 14	14	145	0.081					

VDE 2133
Nut drivers



- > Ergonomic 3-component handle Power-Grip³ for maximum power with minimum effort
- > Insulated up to 1000 V, according to EN 60900/IEC 60900
- > hanging hole on handle for space-saving storage

Code	No.	⌀	l mm	l mm	Head-⌀	⌀	kg
1747045	VDE 2133 3	3	125	225	9	8,9	0.109
1747053	VDE 2133 4	4	125	225	10	8,9	0.111
1747061	VDE 2133 5	5	125	225	11	8,9	0.112
1747088	VDE 2133 6	6	125	225	12	8,9	0.114
1747096	VDE 2133 7	7	125	235	14	9,9	0.152
1747118	VDE 2133 8	8	125	235	15	9,9	0.154
1747126	VDE 2133 9	9	125	235	16	9,9	0.154
1747134	VDE 2133 10	10	125	235	17	9,9	0.161
1747142	VDE 2133 11	11	125	254	19	10,9	0.193
1747150	VDE 2133 12	12	125	245	20	10,9	0.196
1747169	VDE 2133 13	13	125	245	21	10,9	0.199
1747177	VDE 2133 14	14	125	245	22	10,9	0.198
1747185	VDE 2133 17	17	125	245	26	10,9	0.222

VDE 2133
Nut driver set, 10 pieces



Code	No.	Contents	kg
1747260	VDE 2133 / 10	2133 5,0 6,0 7,0 8,0 9,0 10,0 11,0 12,0 13,0 14,0	1.300

VDE 4507
Torque wrench 1/2"



- > Controlled screw tightening in the most common range of 5 - 50Nm / 4 - 37 lbf-ft.
- > Automatic short-path actuation with tactile impulse and audible signal.
- > Dual scale with a scale graduation of 5Nm and 5lbf-ft.

- > Fine toothed ratchet with square drive as per DIN 3120 - A 12.5, ISO 1174.
- > VDE insulation up to 1000V, according to EN 60900/IEC 60900, two-ply Check-Tool insulation.

WHILE STOCKS LAST

Code	No.	l"	mm	N-m	kg	l mm	kg
6681920	VDE 4507-04	1/2"	12,5	5-50	2,5	370	1.251




VDE 2160 PH

Phillips screwdrivers for cross-slotted head screws



- > individually tested, insulated up to 1000 V, according to EN 60900/IEC 60900, fully insulated blade
- > Tip as per DIN ISO 8764-1 PH

- > Ergonomic 3-component handle Power-Grip³ for maximum power with minimum effort
- > Type of drive marked at end of the handle

Code	No.	⊕ PH	 mm	 mm	 kg
1612115	VDE 2160 PH 1	1	80	180	0.082
1612123	VDE 2160 PH 2	2	100	210	0.119
1612131	VDE 2160 PH 3	3	150	270	0.188




VDE 2170

Electrician's screwdrivers for slotted head screws



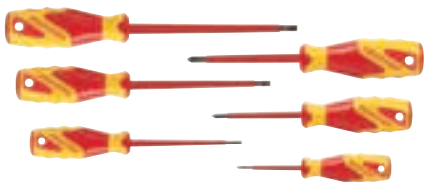
- > individually tested, insulated up to 1000 V, according to EN 60900/IEC 60900, fully insulated blade
- > Tip as per DIN ISO 2380-1 Form B
- > Ergonomic 3-component handle Power-Grip³ for maximum power with minimum effort

- > Type of drive marked at end of the handle
- > hanging hole on handle for space-saving storage

Code	No.	⊖	 mm	 mm	 kg
1612220	VDE 2170 2,5	2,5	75	160	0.038
1612247	VDE 2170 3,5	3,5	100	185	0.055
1612255	VDE 2170 4	4,0	100	185	0.058
1612271	VDE 2170 5,5	5,5	125	225	0.095
1612298	VDE 2170 6,5	6,5	150	260	0.134


VDE 2160-2170 PH 06

Screwdriver set, 6 pieces



- > For slotted and cross-head screws PH
- > Insulated up to 1000 V, according to EN 60900/IEC 60900, fully insulated blade

- > Ergonomic 3-component handle Power-Grip³ for maximum power with minimum effort

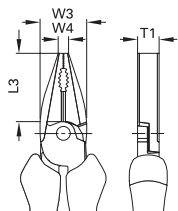
Code	No.	Contents	Pieces	 kg
1616048	VDE 2170-2160 PH-06	slotted 3,5 4,5,5 6,5 mm PH 12	6	0.660

- > Only tools bearing these test symbols are classed as insulated tools.
- > VDE insulation as per standard EN60900, IEC/CEI900, VDE0680.
- > Safe working in high-voltage areas.
- > Up to 1000V alternating current.
- > Up to 1500V direct current.



VDE 8250 H

VDE heavy duty combination pliers with VDE insulating sleeves



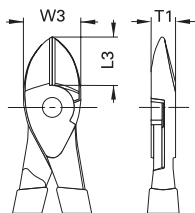
- > Individually tested
- > For round and flat material
- > Extra long blades
- > For all wire types including piano wire, 1.6 mm

- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900
- > Sleeve insulation

Code	No.	L	L3	W3	W4	T1	
1550942	VDE 8250-160 H	160	35	22,8	5,8	10,4	0.228
1550950	VDE 8250-180 H	180	38,5	25,6	6,5	11,0	0.288
1550969	VDE 8250-200 H	200	39,5	27,0	6,5	12,4	0.369

VDE 8316 H

VDE power side cutters with VDE insulating sleeves



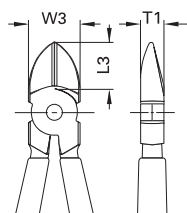
- > For hard wire/piano wire
- > Max. cutting capacity Ø 1,4 - 2,0 mm
- > Protective insulation up to 1000 V, according to

- EN 60900/IEC 60900
- > Sleeve insulation

Code	No.	L	L3	W3	T1	Ø	
1550993	VDE 8316-180 H	180	22,6	26,0	11,0	1,8	0.267

VDE 8314 H

VDE side cutters with VDE insulating sleeves



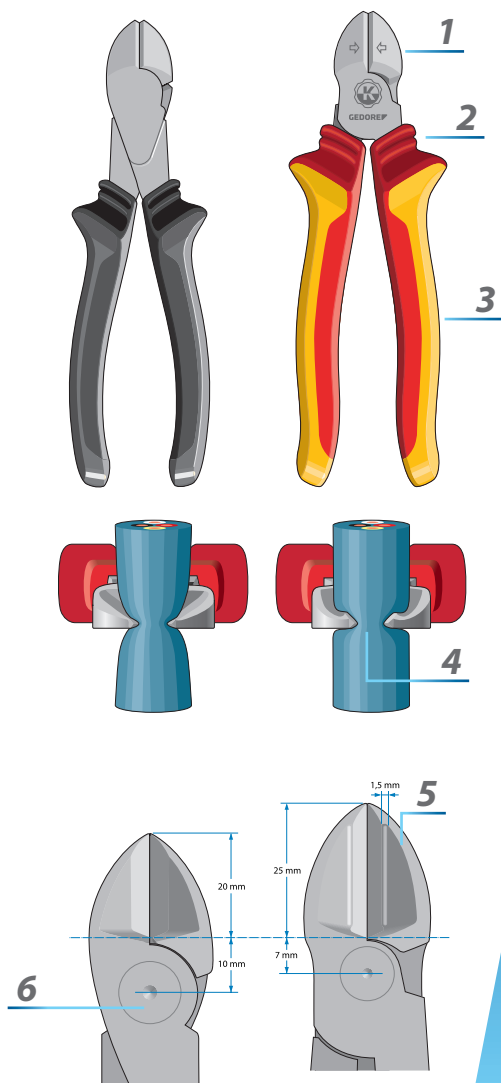
- > With slender head, ideal for confined spaces
- > For medium-hard wire 1.6 mm
- > Protective insulation up to 1000 V, according to

- EN 60900/IEC 60900
- > Sleeve insulation

Code	No.	L	L3	W3	T1	Ø	
1552155	VDE 8314-140 H	140	18,5	18,5	9,5	1,6	0.177
1552163	VDE 8314-160 H	160	19	22,0	10,0	1,6	0.231

i VDE SIDE CUTTERS

Particularly suitable for electrical installation work

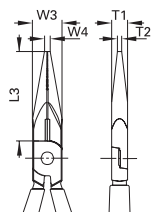


- 1** Inductively hardened cutting edges (63 - 65 HRC) ensure constant cutting power over a long time span.
- 2** Max. safety when used under voltages thanks to the long, insulated handle with non-slip mechanism
- 3** VDE insulated sleeves
- 4** Maximum cutting performance yet with a low level of effort expended thanks to an optimum interaction of cutting geometry, eccentric rivet bearing and ergonomic handle design.
- 5** Stepped cutting edges make "cutting" easier and protect the cutting material
- 6** Power side cutter thanks to a marked transfer of the pivot to the cutter

* Crowned surfaces/handles - i.e. which are hardly rounded - prevent unfavourable, punctual peak forces. As a result, the force is evenly spread across your hand.

VDE 8132 H

VDE telephone pliers with VDE insulating sleeves, straight pattern



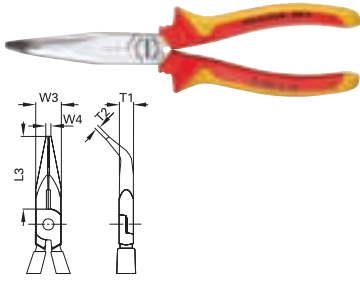
- > Long, flat-round jaws, straight gripping faces, serrated
- > For holding, gripping, bending and cutting
- > Protective insulation up to 1000 V, according to

EN 60900/IEC 60900
> Sleeve insulation

Code	No.	L	L3	W3	W4	T1	T2	
1552112	VDE 8132-160 H	160	50	16,5	3,2	9,0	2,5	0.164
1552120	VDE 8132-200 H	200	75,7	18,5	3,7	9,5	2,8	0.235

VDE 8132 AB H

VDE bent nose telephone pliers
with VDE insulating sleeves, angled pattern



- > Long, flat-round jaws, straight gripping faces, serrated
- > Tips 45° angled
- > Protective insulation up to 1000 V, according to

EN 60900/IEC 60900
> Sleeve insulation

Code	No.	L	L3	W3	W4	T1	T2	kg
1552139	VDE 8132 AB-160 H	160	46	16,5	3,2	9,0	2,5	0.173
1552147	VDE 8132 AB-200 H	200	70,5	18,5	3,7	9,5	2,8	0.235

VDE 8098 H

VDE stripping pliers
with VDE insulating sleeves



- > Opens automatically, with spring and adjusting screw
- > V-shaped cutting jaws for stripping the plastic insulation of single- and multi-core conductors
- > For wires from 0.8 to 6.0 mm²

> Protective insulation up to 1000 V, according to EN 60900/IEC 60900
> Sleeve insulation

Code	No.	L	L3	W3	T1	mm ²	kg
1552074	VDE 8098-160 H	160	43,5	18,5	8,5	0,8-6,0	0.204

VDE 8099 H

VDE stripping pliers
with VDE insulating sleeves



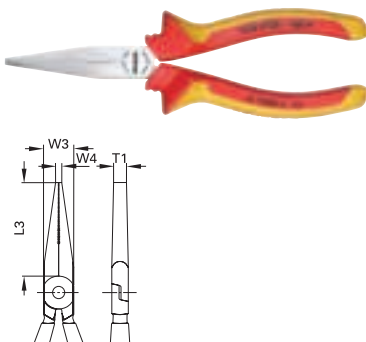
- > Self-adjusting, for wires 0.5 - 5.0 mm²
- > V-shaped cutting jaws for stripping the plastic insulation of single- and multi-core conductors

> Protective insulation up to 1000 V, according to EN 60900/IEC 60900
> Sleeve insulation

Code	No.	↳ mm	↳ inch	mm ²	kg
1552082	VDE 8099-160 H	160	6.1/2	0,5-5,0	0.211

VDE 8120 H

VDE flat nose pliers
with VDE insulating sleeves



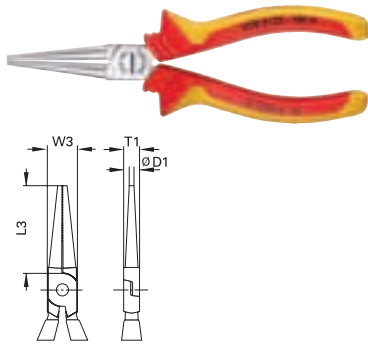
- > With long jaws, serrated gripping faces
- > Protective insulation up to 1000 V, according to

EN 60900/IEC 60900
> Sleeve insulation

Code	No.	L	L3	W3	W4	T1	kg
1552090	VDE 8120-160 H	160	51	16,5	3,4	9,0	0.175

VDE 8122 H

VDE round nose pliers
with VDE insulating sleeves



- > With long jaws, serrated gripping faces
- > For gripping and bending
- > Protective insulation up to 1000 V, according to

EN 60900/IEC 60900
> Sleeve insulation

Code	No.	L	L3	W3	D1	T1	
1552104	VDE 8122-160 H	160	48	16,5	2,5	8,7	0.154

VDE 58003 H

VDE pliers set with VDE insulating sleeves



- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900
- > Sleeve insulation

Code	No.	Contents	Pieces	
1550594	VDE S 8003 H	VDE 8132-160 H VDE 8250-180 H VDE 8314-160 H	3	0.747

VDE 1101-003

VDE tool set in i-BOXX® 72



- > Individually tested, insulated up to 1000 V, according to EN 60900/IEC 60900, except voltage tester No. 4615
- > In GEDORE i-BOXX® 72

Code	No.	Contents	Pieces	
1828045	1101-003 VDE	VDE 8132-200 H VDE 8250-180 H VDE 8314-160 H VDE 2170 4 5.5 VDE 2160 PH 1 2 4615 3	8	2.300


VDE 1001
VDE toolset



12,5 1/2     1000 V

- > With practical foam insert in sturdy PVC case
- > Dimensions: 395 x 295 x 106 mm

- > Offset screwdriver No. 42 not insulated

Code	No.	Contents	Pieces	
6602560	VDE 1001	VDE 19 10 12 13 14 17 19 22 24 VDE 1993 U VDE 1990-5 -10 VDE 1989 T VDE 2170 5,5 42 2,5	14	3.460

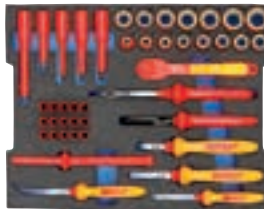
1100 - 1094
VDE tool assortment HYBRID
53 pieces




10 3/8    1000 V

- > The perfect range of tools for repair and maintenance work on hybrid and electric vehicles
- > Suitable for vehicles of all manufacturers

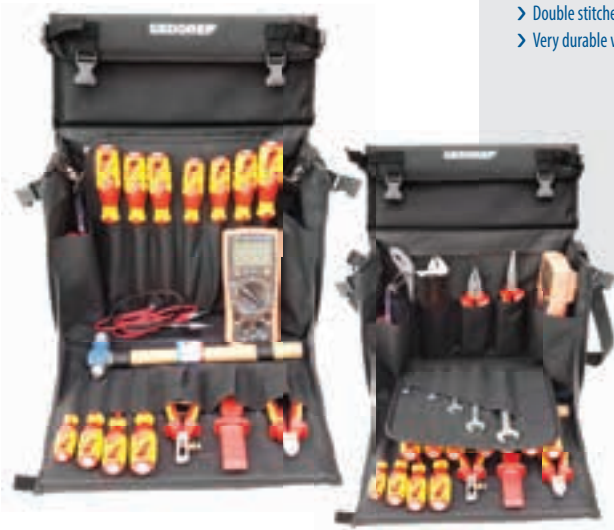
- > All tools insulated according to EN 60900/EC 60900
- > In GEDORE L-BOXX[®] 136



Code	No.	Contents	Pieces	
2979063	1100-1094	3/8" VDE socket wrench insert No. VDE 30, SW 6 8 9 10 11 12 13 14 15 16 17 18 19 20 22 mm 3/8" VDE screwdriver bit socket No. VDE INX 30, SW 8 10 12 mm 3/8" VDE extension No. VDE 3090 -3 -6, 75 150 mm 3/8" VDE reversible ratchet No. VDE 3093 U VDE Screwdriver slot No. VDE 2170, 2.5 3.5 4.5 5 mm VDE Screwdriver Cross-recess No. VDE 2160 PH 1 2 3 VDE Screwdriver TX No. VDE 2163 TX T20 T25 T30 VDE cable cutter No. VDE 8094, 200 mm VDE Universal pliers No. VDE 146 10, 10". VDE Power combination pliers No. VDE 8250-200 H, 200 mm 2-component handle VDE Power side cutter No. VDE 8314-180 H, 180 mm VDE Flat nose pliers No. VDE 8132 AB-200 JC, 200 mm angled 2-component handle VDE Flat nose pliers No. VDE 8120-160 H, 160 mm 2-component handle VDE cable knife No. VDE 4522, 180 mm Counter sleeve No. V 914, size 1 2 3	53	8.280

ELECTRICIAN'S TOOLSET

12,5 1/2" DVE GS 1000V



- > Double stitched and bound.
- > Very durable water repellent inner lining.

- > Heavy duty zip.
- > Reinforced inners.

Code	No.	1B Spanners	42-88M Allen keys	VDE Screwdrivers	VDE Nut drivers	Accessories	Accessories	
668122	Electrician's Tool Set	8 10 13 17 19	2 2,5 3 4 5 6 8 10	VDE 2160 PH1 PH2 PH3 VDE 2170 4 5.5 6.5	2133 4 6 8 10 13	Electrician's Toolcase VDE 8098-160H Stripping Pliers VDE 8250-200H Combination Pliers VDE 8314-160H Side Cutters VDE 8132-200H Telephone Pliers 137-175 Grip Pliers 62-250 P10 Shifting Spanner	145-250 Waterpump Pliers 9930.000 Torch 9534.05 Tape Measure VDE 4522 Cable Knife Digital Multimeter 8601-300 Ball Pein Hammer	6.100

NEW

DVE GS 1000V

VDE 4522
Cable knife



- > Strong, straight blade made from hardened and tempered steel.
- > Tough, resilient plastic handle.
- > With VDE insulation as per DIN EN 60900.

Code	No.	l mm	
6690400	VDE 4522	180	0.104

V 180
Cable shears

1000V



- > Cuts cable up to 27mm, solid material up to 200 mm².
- > Individually tested, insulation up to 1000V.

Code	No.	l mm	
6430330	180-23	620	2.12

V 4614 PLUS
Voltage tester 1000V two-pole with LED display

1000V



- > AC and DC voltages from 12-690V.
- > Single pole phase testing > 100VAC.
- > With VDE insulation as per DIN EN 60900.
- > Protection classification IP65, dust-proof, hose-proof.
- > Displays polarity in case of direct current (DC).

Code	No.	
2241137	V 4614	0.270

TORQUE TOOLS

Maximum control in production guarantees high quality tools.

Use of the best quality steel, state-of-the-art machinery and environmentally friendly production processes. Our tooling experts ensure meticulous processing and future development. Precise adherence to strict testing and measuring specifications are the seal for the highest product quality. Wide range of mechanical or electronic torque spanners, testing devices and torque multipliers and accessories. Customised service packages including the development of customer-specific solutions.

All parts entering the production process - from the steel to the smallest spring - are inspected, and all production steps or operations are subject to strict quality controls.

After assembly and adjustment the torque tools are checked for accuracy (calibrated) in the final inspection and given a serial number. All torque tools are delivered with a factory test certificate or a calibration certificate in accordance with the applicable standards and guidelines. Processing quality, repeat accuracy and service life are tested in regular endurance tests. Insights gained here flow directly back into the optimisation of the production process.

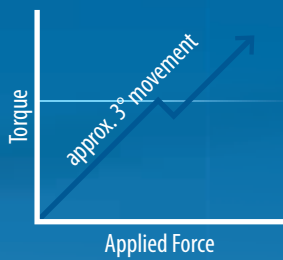


TRACEABLE SAFETY

- DAkkS calibration in our own accredited, independent DAkkS calibration laboratory
- In-house calibration according to ISO 6789
- SANAS accredited laboratory in South Africa



0.04 TO
54,000 N·M

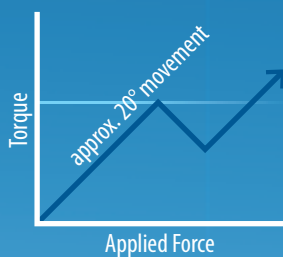


CLICK TOOLS - Overtightening Possible



When the preset torque value is reached the operator will hear a click, feel an impulse and there will be approximately 3° of tool movement. Resetting takes place when the hand pressure is released. Work can then immediately continue.

These tools are generally length dependent (exception DREMOMETER models AM - F), the position of the hand on the tool alters the torque produced.

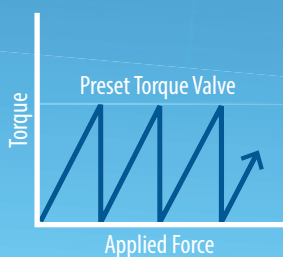


BREAKING TOOLS - Overtightening Unlikely



When the preset torque value is reached, these tools break at a specific point along the tool's length - usually at a pivot point near the tool's head. In most cases the movement is approximately 20°. The tool is automatically reset by allowing the handle to return to its in line position. These tools are length

dependent, the position of the hand on the tool alters the torque produced. Continued application of force after 20° of tool movement will increase the torque applied above the preset limit but with the greater angle of tool movement this is less likely.



SLIPPING TOOLS - Overtightening Impossible



















When the preset torque value is reached, a mechanism in the tool causes the application of torque to cease and the tool slips free for a short time until resetting occurs. Even if the application of force














is repeated, the preset torque value will not be exceeded, therefore making it impossible to overtighten a fastener. These tools are not length dependent.

OVERVIEW OF GEDORE

TORQUE TOOLS

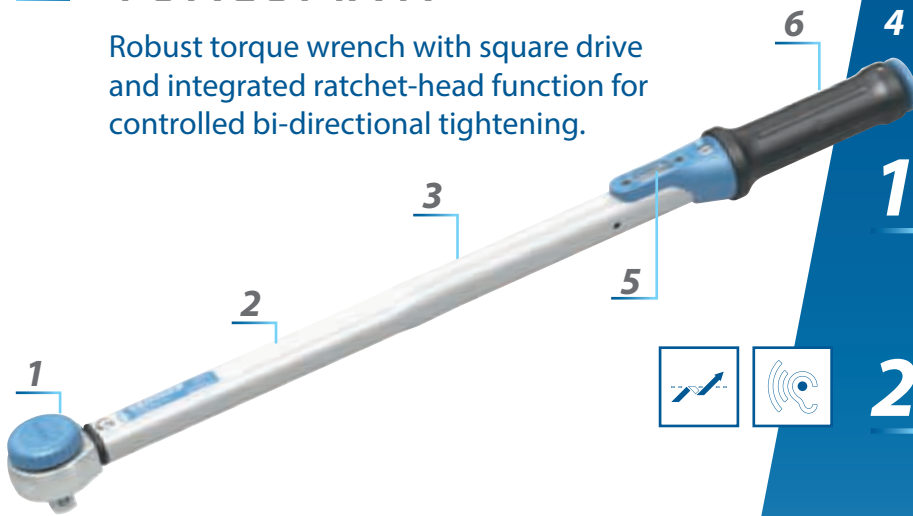
Page	Series/Type		Precision +/-	Drive	Ratchet	Scale
0,4 – 3.000Nm Mechanical Torque Wrenches						
138	Dremometer		3%	1/4" ▶ 1 1/2"	●	●
136	Dremaster DMK		3%	1/2" ▶ 3/4"	●	●
137	Dremometer DMSE		3%	9x12 14x18	○	●
134	Torcofix K		3%	1/4" ▶ 3/4"	●	●
135	Torcofix SE		3%	9x12 14x18	○	●
135	Torcofix FS		3%	9x12 14x18	○	○
143	TSN Slipper		4%	1/4" ▶ 1/2"	●	○
145	TBN Breaker		4%, 6%	16 9x12	○	○
144	TSP Slipper		6%	1/4"	●	○
144	TSC Slipper		6%	1/4"	●	○
147	Typ 83		4%	1/4" ▶ 1/2"	●	○
146	TBI 1000		4%	3/4"	●	●
0,04 – 13,6Nm Torque screwdriver						
149	TLS Pro		6%	1/4"	○	○
148	Typ 756 S		6%	1/4"	○	●
2 – 1.000Nm Electronic torque wrench						
146	Torcotronic III		1%	1/4" 1/2"	●	●
Torque testers						
151	Dremotest E		1%	1/4" ▶ 1"	○	○

Range Nm

Operation length independent	Release types	0	5	10	15	20	40	60	80	100	150	200	300	400	500	750	1000	1500	2000	
Mechanical torque wrench																				
●	① 	6 – 3.000Nm																		
●	① 	20 – 850Nm																		
○	① 	20 – 400Nm																		
○	① 	1 – 750Nm																		
○	① 	5 – 50Nm																		
○	① 	2 – 200Nm																		
○	① 	3 – 125Nm																		
●	③ 	5 – 200Nm																		
○	① 	1 – 10Nm																		
●	③ 	1 – 10Nm																		
●	③ 	0.8 – 2000Nm																		
●		200 – 1000Nm																		
○	② 	5 – 125Nm																		
		0,05 – 25Nm																		
○	③ 	0,05 – 9Nm																		
○		2 – 1000Nm																		
○		0,9 – 3150Nm																		

i TORCOFIX K

Robust torque wrench with square drive and integrated ratchet-head function for controlled bi-directional tightening.



CHROME-PLATED RATCHET HEAD

All 1/4"-1/2" square drives of the TORCOFIX K series have a black plastic cap – also referred to as a mushroom head. This mushroom head prevents an unintentional pulling out of the whole square drive when changing the nut socket.



1 DIN EN ISO

Classified to DIN EN ISO 6789-2:2017 Type II Class A, with a factory certificate allowing for operations to be traced back. Calibrated to a permitted +/- 3 % deviation and better. The specifications of the standard (+/- 4 %) are exceeded.

2

AUTOMATIC ACTUATION

The TORCOFIX actuates with a clear tactile impulse and audible signal and is immediately ready for operation again.



3

ROBUST STEEL TUBE

With high corrosion protection, chrome-plated, silk-metal.

4

LIGHTWEIGHT AND RELIABLE

Locking button enables reliable locking of the torque setting.

5

SCALE

Easily readable double scale (Nm/lbf.ft), well protected behind a window with a magnifying glass effect. The torque setting is readable on the scale or, more particularly, on the scale in combination with the scale ring.

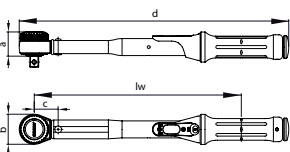
6

HANDGRIP WITH A USER AID

Black plastic handgrip, new ergonomically enhanced shape, with an indentation in the middle of the handgrip. User aid and reference points for calibration.

4549 - 4550

Torque wrench TORCOFIX K
40-750Nm



- > 1/4", 3/8", 1/2" mushroom head square. From 3/4" with square drive
- > For controlled bi-directional tightening



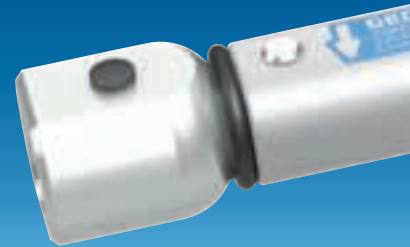
- > you can feel and hear an audible automatic click
- > Highest accuracy max. deviation of +/- 3
- > Ergonomic system for torque adjustment
- > Double scale N-m and lbf-ft
- > Certificate according to DIN EN ISO 6789:2017 part 2

Code	No.	■ "	■ mm	N-m	lbf-ft	📏	vernier Nm	lw	a	b	d	⚖️
2201429	4549-00	1/4"	6,3	1-5	0,75-3,7	25 N-m / 25 lbf-ft	0,025 N-m	146	25,3	35,0	224	0.432
1545132	4549-02	1/4"	6,3	5-25	3,7-18	1 N-m / 1 lbf-ft	0,1 N-m	206,5	25,3	35,0	284	0.680
1545140	4549-05	3/8"	10	10-50	7,5-37	25 N-m / 25 lbf-ft	0,25 N-m	256,5	25,3	35,0	334	0.550
7601610	4550-20	1/2"	12,5	40-200	30-150	10 N-m / 10 lbf-ft	1 N-m	394,2	36	44,0	486	1.344
7674330	4550-40	3/4"	20	80-400	60-300	10 N-m / 10 lbf-ft	1 N-m	583,2	31	62,5	686	1.988
7674760	4550-55	3/4"	20	110-550	80-405	10 N-m / 10 lbf-ft	1 N-m	853,7	31	69,0	958	4.224
1521365	4550-75	3/4"	20	150-750	110-550	10 N-m / 10 lbf-ft	1 N-m	1128,7	38	69,0	1.232	5.400

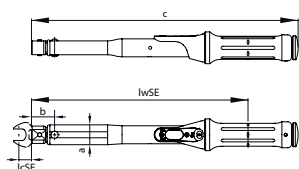
i TORCOFIX SE

Technical Information - Quick-fitting change (SE)

Quick-change system with pin locking guarantees flexible and swift working methods. Ideal for installations in confined and poorly accessible spaces. Depending on the application for the **TORCOFIX SE**, access is possible from the front and side.



4101 Torque wrench TORCOFIX SE 40-750Nm

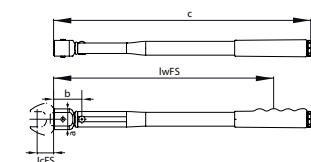
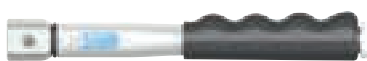


- > SE holder for insert tools (jaw, ring, reversible ratchet)
- > For controlled bi-directional tightening
- > you can feel and hear an audible automatic click
- > Highest accuracy max. deviation of +/- 3

- > Ergonomic system for torque adjustment
- > Double scale N-m and lbf-ft
- > Certificate according to DIN EN ISO 6789:2017 part 2

Code	No.	mm	N-m	lbf-ft	Accuracy	vernier Nm	lcSE	c	lwSE	lcSE	Weight
1646206	4101-05	9 x 12	5-50	3,5-37	25 N-m	0,25 N-m	17,5	323	262,5	17,5	0.399

4150 - 4151 Torque wrench TORCOFIX FS 5-200Nm

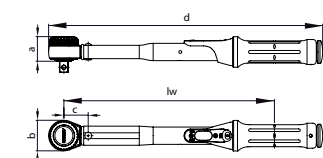


- > SE holder for insert tools (jaw, ring, reversible ratchet)
- > For controlled bi-directional tightening
- > you can feel and hear an audible automatic click
- > Highest accuracy max. deviation of +/- 3

- > Ergonomic system for torque adjustment
- > Certificate according to DIN EN ISO 6789:2017 part 2
- > For special tools observe the gauge block
- > If ordering, please specify the N-m value - if a fixed factory pre-setting is desired (price on request)

Code	No.	mm	N-m	lwFS	lcFS	a	c	Weight
7601960	4150-25 without fixed	9 x 12	5-25	134	17,5	22	186	0.300
7602180	4150-50 without fixed	9 x 12	10-50	194	17,5	22	246	0.270
7602850	4150-85 without fixed	9 x 12	17-85	277	17,5	22	329	0.340
7603580	4151-20 without fixed	14 x 18	40-200	357	25	33	410	0.750

3549 UK - 3550 UK Torque wrench TORCOFLEX UK 5-250Nm



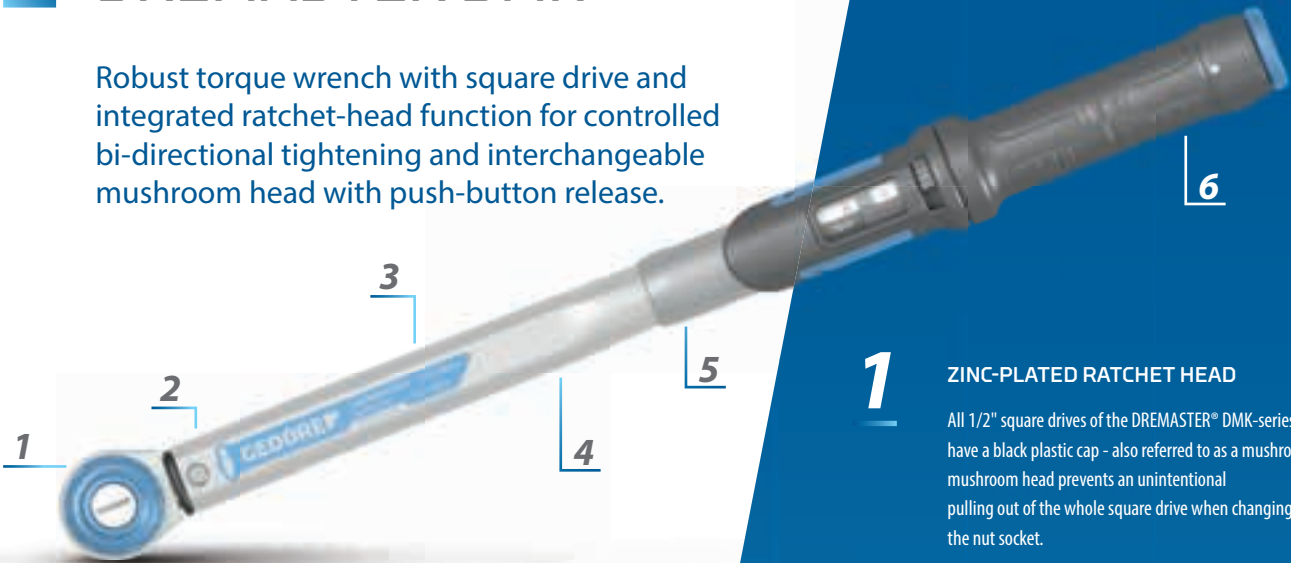
- > Adjustable, releasing and sturdy tubular torque wrench with integrated lever ratchet and with square drive for industry and the trades
- > Classified according to DIN EN ISO 6789:2017 Type II Class A, with a traceable factory certificate. Calibrated

- to a permissible deviation of +/- 3 % and better.
- > Certificate according to DIN EN ISO 6789:2017 part 2
- > For controlled directional tightening

Code	No.	"	mm	Nm	lw	a	b	d	Weight
2958015	3549-02 UK	1/4"	6,3	5-25	212,5	21,5	25,0	286	0.410
2958023	3549-05 UK	3/8"	10	10-50	270,5	19,1	35,0	348	0.820
2958031	3550-10 UK	1/2"	12,5	20-100	318,2	22	42,5	409	1.380

i DREMASTER DMK

Robust torque wrench with square drive and integrated ratchet-head function for controlled bi-directional tightening and interchangeable mushroom head with push-button release.



SCALE

Model-dependent intervals of 1 or 0.5 N-m allow very accurate settings.



LIGHTWEIGHT AND RELIABLE

Locking button enables reliable locking of the torque setting. "Torque adjustable" reference by means of opened lock symbol. Provision for rapid setting from the separate hexagon allen key fixture.



DUAL SCALE WITH MAIN AND ALTERNATIVE UNIT (N-M/IBF-FT)

Main unit N-m with vernier. At all times only one unit in the viewing area = avoids any reading errors. Change-over switch next to the scale for straightforward unit selection.



2

AUTOMATIC ACTUATION

The DREMASTER® DMK actuates with a clear tactile impulse and audible signal and is immediately ready for operation again.



3

DIN EN ISO

Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate allowing for operations to be traced back. Calibrated to a permitted +/- 3% deviation and better. The specifications of the standard (+/- 4%) are exceeded

4

ROBUST STEEL TUBE

With high corrosion protection, chrome-plated, satin powdercoated

5

ADDITIONAL PROTECTION OF THE SERIAL NUMBER

Concealed setting drill hole = secured adjusting/setting system Serial number on the wrench and on the certificate for unambiguous product identification, traceable via in-house DAKKS laboratory to national standards

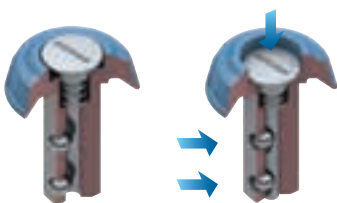
6

HANDGRIP WITH A USER AID

Grey plastic handgrip, new ergonomically enhanced shape, with an indentation in the middle of the handgrip. User aid and reference points for calibration.

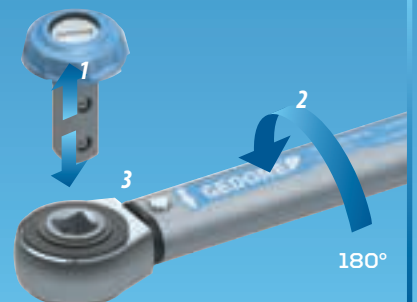


TECHNICAL INFORMATION ANTI-LOSS ATTACHMENT

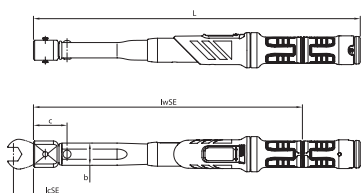


In order to change the turning direction of the DREMASTER® DMK:

- 1 Press on the push-button with your thumb and take out the mushroom head
- 2 Turn the wrench
- 3 Re-insert the square drive



DMK
Torque wrench DREMASTER®
20-850Nm



Use:

- > For use in all areas of industrial manufacturing.
- > For controlled nut and bolt tightening.

Features:

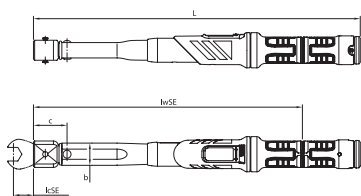
- > Adjustable torque wrench with a square drive and integrated ratchet head function.
- > For controlled bi-directional tightening.
- > Interchangeable mushroom head square drive with ball-locking mechanism as per DIN 3120.
- > In accordance with DIN EN ISO 6789, traceable to national norms.
- > Lever breaking mechanism with a castor guarantee tactile impulse and audible actuation signals.

- > Actuation accuracy: +/- 3% tolerance of the scale set to torque.
- > Sturdy, satin-chrome plated tubular steel construction, with chrome plated ratchet head and top grade plastic parts.
- > Ergonomically shaped, two-component plastic grip with calibration aid.
- > Double scale Nm and lbf.ft behind window with magnifying effect.
- > Additional micrometer scale with a Nm graduation of 0.1, 0.25, 0.5 or 1Nm.
- > Supplied with a calibration certificate.
- > Unique serial number for traceability.



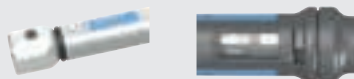
Code	No.	□"	N-m	lbf-ft	□□□□□	vernier Nm	L	□□□□
2641232	DMK 100	1/2	20-100	15-75	5 Nm	0,5 Nm	423.5	1.100
2641240	DMK 200	1/2	40-200	30-150	10 Nm	1 Nm	514.5	1.300
2641259	DMK 300	1/2	60-300	45-220	10 Nm	1 Nm	606.4	1.500
2641267	DMK 400	3/4	80-400	60-300	10 Nm	1 Nm	714.8	2.400
2641275	DMK 550	3/4	110-550	80-405	10 Nm	1 Nm	953.2	3.800
2641283	DMK 750	3/4	150-750	110-550	10 Nm	1 Nm	1228.2	4.900
2641291	DMK 850	3/4	250-850	185-630	10 Nm	1 Nm	1375.2	5.200

DMSE
Torque wrench DREMASTER®
20-400Nm



- > SE holder for insert tools (jaw, ring, reversible ratchet)
- > For controlled bi-directional tightening
- > you can feel and hear an audible automatic click
- > Highest accuracy max. deviation of +/- 3
- > Ergonomically shaped plastic handgrip with calibration aid
- > Switching between main scale N-m and

- sub scale lbf-ft, no reading errors
- > Provision for rapid setting with hexagon allen key, not included
- > Secured adjusting/setting system
- > Certificate according to DIN EN ISO 6789:2017 part 2
- > For special tools observe the gauge block



Code	No.	□mm	N-m	lbf-ft	□□□□□	vernier Nm	L	lwSE	lcSE	□□□□
2641445	DMSE 100	9 x 12 mm	20-100	15-75	5 N-m / 5 lbf-ft	0,5 N-m	398,5	326,2	17,5	1.000
2641453	DMSE 150	9 x 12 mm	30-150	22-110	10 N-m / 10 lbf-ft	1 N-m	489,5	417,2	17,5	1.160
2641461	DMSE 200	14 x 18 mm	40-200	30-150	10 N-m / 10 lbf-ft	1 N-m	499,5	427,2	25,0	1.250
2641488	DMSE 300	14 x 18 mm	60-300	45-220	10 N-m / 10 lbf-ft	1 N-m	590,4	518,1	25,0	1.400
2641496	DMSE 400	14 x 18 mm	80-400	60-300	10 N-m / 10 lbf-ft	1 N-m	677,2	604,9	25,0	2.000

i DREMOMETER

Permanent Precision



SE 9x12 14x18 8-400 N-m



L 1/4" - 1" 6-2000 N-m



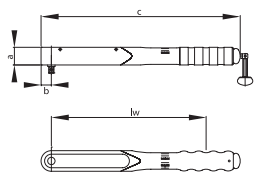
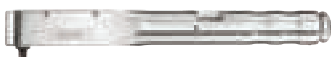
1/4" - 1 1/2" 6-3000 N-m



Z 16 22 28 8-1000 N-m

- 1** DRIVE IN ACCORDANCE WITH APPLICATION
- 2** CLASSIFIED TO DIN EN ISO 6789:2017 TYPE II CLASS A,
- 3** CLEAR DOUBLE SCALE N-M AND LBF-IN/LBF-FT (DEPENDING ON MODEL)
- 4** ROBUST AND LIGHT ALUMINIUM CONSTRUCTION WITH ERGONOMIC HANDLE
- 5** RELEASES AUTOMATICALLY PERCEPTIBLE AND AUDIBLE
- 6** NEW HANDLE SHAPE ALLOWS THE USE OF EXTENSION TUBES

8554
Torque wrench DREMOMETER®
6-30Nm



- > Torque wrench with 1/4" square drive in the range 6 - 30 N-m
- > Single- and double-square drive for controlled bi-directional tightening
- > you can feel and hear an audible automatic click

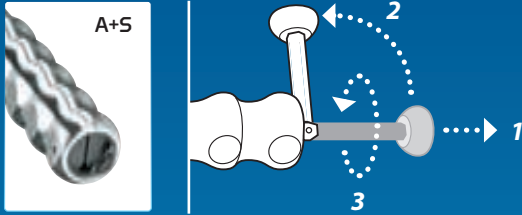
*WHILE STOCKS LAST

- > Double scale for measuring ranges in the lbf-in range
- > Highest accuracy max. deviation of +/- 3
- > Error-free operation - no change in torque values when operated outside the handle. Not length dependent
- > Certificate according to DIN EN ISO 6789:2017 part 2

Code	No.	Drive type/drive	"	mm	Storage	N-m	lbf-in	lw	a	b	c	Scale	Accuracy
7775440	8554-01*	Single square	1/4"	6,3	Plastic box	6-30	50-270	206	30	15	268	1 N-m / 10 lbf-in	0.850

TECHNICAL INFORMATION

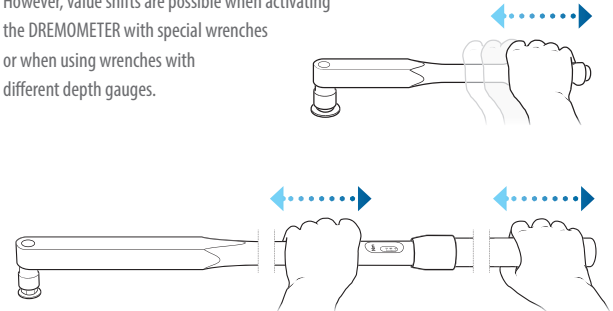
Setting of the torque value to N-m or alternatively to lbf-in / lbf-ft by the non-losable hexagon key in the handgrip. The smooth-running mechanism enables the setting to be made quickly without significant force needing to be applied. All DREMOMETERS are also available with locking and safety device (A+S). Pre-set value locking and safety device (A+S) eliminates the possibility of unintentional or manipulated adjustment, thereby representing more process reliability of the user



OPERABLE WITHOUT INACCURACIES

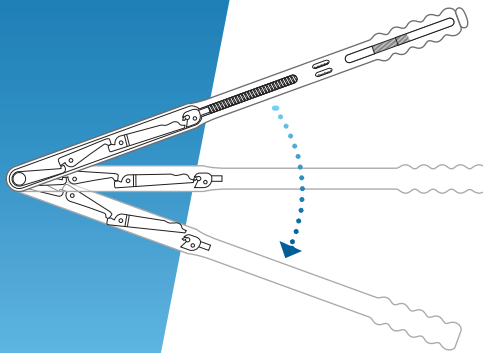
Regardless of where you apply the force, at the center of the handgrip or another part of the DREMOMETER, with both hands or using an extension tube, your torque setting will always be attained, without shifts in value. Due to its unique single-axis location of the centre of rotation and the output square drive, the DREMOMETER is a tool that can be operated free from errors. In contrast to conventional torque wrenches, this single lever enables tightening without shifts in the measured value and without interference caused by activation outside of the handgrip.

However, value shifts are possible when activating the DREMOMETER with special wrenches or when using wrenches with different depth gauges.



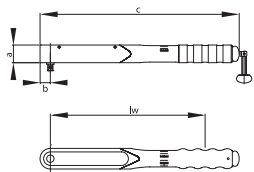
WORKING PRINCIPLE

The quality lever chain produced in the company's own drop forge reduces the strain on the mechanics to a minimum. The proportioning of the individual levers, which are optimally attuned to each other, gives the DREMOMETER its unique precision and its long tool life.



- 1 Position of the lever chain without impact of force (in starting position).
- 2 Position of the lever chain with impact of force before the set torque is achieved. The force is transferred from the primary lever to the intermediary and final lever until the final lever slips past the so-called release lever through the sliding back of the angle-lever body.
- 3 Position of the lever chain when the force impacts after the torque setting is achieved. Immediate position after the clear tactile impulse and audible signal "click". On relief, the lever chain moves back into the starting position (1).

8560 Torque wrench DREMOMETER® 8-40Nm

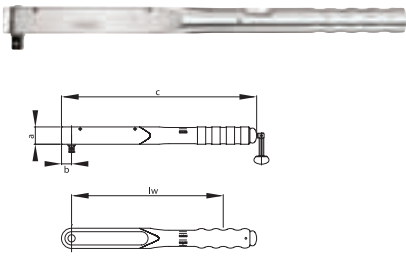


- > Torque wrench with 3/8" square drive in the range of 8 - 40 N-m
- > Single- and double-square drive for controlled bi-directional tightening
- > You can feel and hear an audible automatic click

- > Double scale for measuring ranges in the lbf-in range
- > Highest accuracy max. deviation of +/- 3
- > Error-free operation - no change in torque values when operated outside the handle. Not length dependent
- > Certificate according to DIN EN ISO 6789:2017 part 2

Code	No.	Drive type/drive	■"	■mm	Storage	N-m	lbf-in	lw	a	b	c		
7682000	8560-01	Single square	3/8"	10	Plastic box	8-40	70-350	262	30	17,5	338	5 N-m / 50 lbf-in	0.848

8561
Torque wrench DREMOMETER®
20-120Nm



- > Torque wrench with 1/2" square drive in the range of 25 - 120 N-m
- > Single- and double-square drive for controlled bi-directional tightening
- > you can feel and hear an audible automatic click
- > Double scale for measuring ranges in lbf-ft range

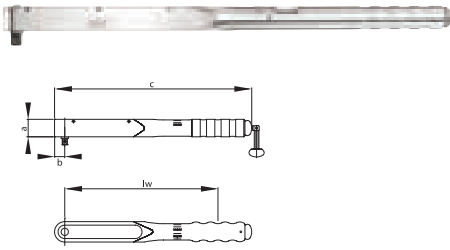


- > Highest accuracy max. deviation of +/- 3
- > Error-free operation - no change in torque values when operated outside the handle. Not length dependent
- > Certificate according to DIN EN ISO 6789:2017 part 2
- > Power-saving through the use of optional extension tubes

*WHILE STOCKS LAST

Code	No.	Drive type/drive	"	mm	Storage	Contents	N-m	lbf-ft	lw	a	b	c		
7683320	8561-01*	Single square	1/2"	12,5	Plastic box		25-120	18-90	373	30	17,5	462	5 N-m / 5 lbf-ft	1.500

8573
Torque wrench DREMOMETER®
40-200Nm

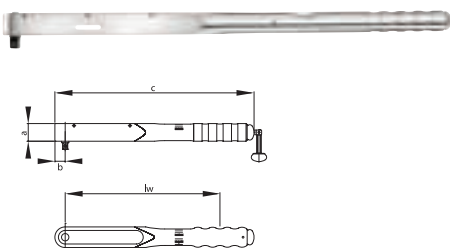


- > Torque wrenches with 1/2" square drive in the range 40 - 200 N.m
- > Single- and double-square drive for controlled bi-directional tightening
- > you can feel and hear an audible automatic click
- > Double scale for measuring ranges in lbf-ft range

- > Highest accuracy max. deviation of +/- 3
- > Error-free operation - no change in torque values when operated outside the handle. Not length dependent
- > Certificate according to DIN EN ISO 6789:2017 part 2
- > With push-button release

Code	No.	Drive type/drive	"	mm	Storage	Contents	N-m	lbf-ft	lw	a	b	c		
7685530	8573-00	Single square	1/2"	12,5	Plastic box		40-200	30-150	463	30	17,5	551	5 N-m / 5 lbf-ft	1.400

8562
Torque wrench DREMOMETER®
50-300Nm



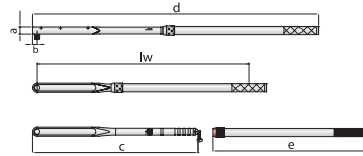
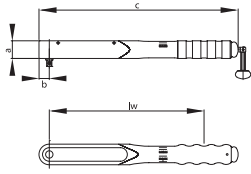
- > Torque wrenches with 1/2" square drive in the range 60 - 300 N.m
- > Single- and double-square drive for controlled bi-directional tightening
- > you can feel and hear an audible automatic click
- > Double scale for measuring ranges in lbf-ft range

- > Highest accuracy max. deviation of +/- 3
- > Error-free operation - no change in torque values when operated outside the handle. Not length dependent
- > Certificate according to DIN EN ISO 6789:2017 part 2
- > Power-saving through the use of optional extension tubes



Code	No.	Drive type/drive	"	Storage	Contents	N-m	lbf-ft		lw	a	d	
7685450	8562-10	Single square	1/2"	Plastic box		50-300	35-220	5 N-m / 5 lbf-ft	529	35	617	2.000

8563 D / DR
Torque wrench DREMOMETER®
140-760Nm

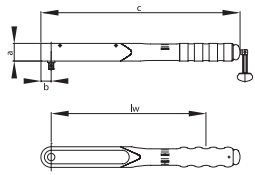


- > Torque wrench with 3/4" square drive in the range of 110 - 550 N.m
- > Single- and double-square drive for controlled bi-directional tightening
- > you can feel and hear an audible automatic click

- > Double scale for measuring ranges in lbf-ft range
- > Highest accuracy max. deviation of +/- 3
- > Error-free operation - no change in torque values when operated outside the handle. Not length dependent
- > Certificate according to DIN EN ISO 6789:2017 part 2

Code	No.	Drive type/drive	■"	Storage	N-m	lbf-ft		lw	a	d					
7691500	8563-10	Single square	3/4"	Plastic box	155-760	115-560	/ 10 lbf-ft	719	45	812	3.450				
Code	No.	Drive type/drive	■"	■mm	Storage	Contents	N-m	lbf-ft	lw	a	b	c	d	e	
7670180	8563-01	Single square	3/4"	20	Plastic box	ALU extension tube No. 8571-80	155-760	115-560	1290,5	35	22,5	812	1403	762	5.000

8570
Torque wrench DREMOMETER®
80-360Nm



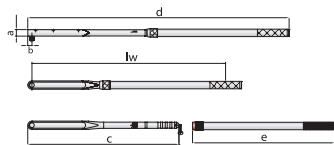
- > Torque wrench with 3/4" square drive in the range of 80 - 360 N.m
- > Single- and double-square drive for controlled bi-directional tightening
- > you can feel and hear an audible automatic click
- > Double scale for measuring ranges in lbf-ft range

- > Highest accuracy max. deviation of +/- 3
- > Error-free operation - no change in torque values when operated outside the handle. Not length dependent
- > Certificate according to DIN EN ISO 6789:2017 part 2
- > Power-saving through the use of optional extension tubes

*WHILE STOCKS LAST

Code	No.	Drive type/drive	■"	Storage	Contents	N-m	lbf-ft		lw	a	d	
7688470	8570-10*	Single square	3/4"	Plastic box		80-360	60-260	5 N-m / 5 lbf-ft	624	45	717	2.800

8571
Torque wrench DREMOMETER®
520-1000Nm



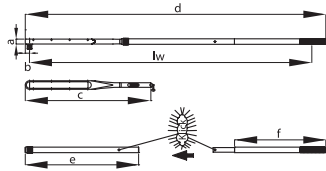
- > Torque wrench with 3/4" square drive in the range of 520 - 1000 N.m
- > Single- and double-square drive for controlled bi-directional tightening
- > you can feel and hear an audible automatic click
- > Double scale for measuring ranges in lbf-ft range

- > Highest accuracy max. deviation of +/- 3
- > Error-free operation - no change in torque values when operated outside the handle. Not length dependent
- > Certificate according to DIN EN ISO 6789:2017 part 2
- > Save effort using the optional extension tubes

Code	No.	Drive type/drive	■"	■mm	Storage	Contents	N-m	lbf-ft	lw	a	b	c	d	e	
7694010	8571-01	Single square	3/4"	20	Plastic box	ALU extension tube No. 8571-80	520-1000	380-730	1290,5	35	22,5	812	1403	762	4.250

8564

Torque wrench DREMOMETER®
750-2000Nm



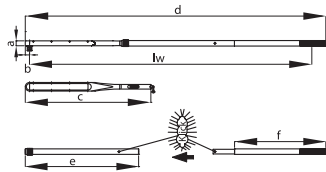
- > Torque wrenches with 1" square drive in the range 750 - 2000 N.m
- > Single- and double-square drive for controlled bi-directional tightening
- > you can feel and hear an audible automatic click
- > Double scale for measuring ranges in lbf-ft range

- > Highest accuracy max. deviation of +/- 3
- > Error-free operation - no change in torque values when operated outside the handle. Not length dependent
- > Certificate according to DIN EN ISO 6789:2017 part 2
- > Save effort using the optional extension tubes

Code	No.	Drive type/drive	"	mm	Storage	Contents	N-m	lw	a	b	c	d	e	f	kg
7695250	8564-01	Single square	1"	25	Plastic Box	Extension tube 8564-92 8572-74	750-2000	2213	40	30	932	2353	925	745	12.000

8572

Torque wrench DREMOMETER®
1500-3000Nm



- > Torque wrench with 1.1/2" square drive in the range of 1500 - 3000 N.m
- > Single square for the controlled legal suit
- > you can feel and hear an audible automatic click
- > Double scale for measuring ranges in lbf-ft range
- > Highest accuracy max. deviation of +/- 3

- > Error-free operation - no change in torque values when operated outside the handle. Not length dependent
- > Certificate according to DIN EN ISO 6789:2017 part 2
- > Save effort using the optional extension tubes

Code	No.	Drive type/drive	"	mm	Storage	Contents	N-m	lw	a	b	c	d	e	f	kg
7717160	8572-01	Single square	1.1/2"	40	Plastic Box	Extension tube 8564-92 8572-74	1500-3000	2309	40	35	1.037	2454	925	745	15.000

8200

Torque angle indicator



- > Torque-angle tightening
- > Separate angle of rotation gauges with 1/2" or 3/4" square drive
- > For additional precise angle tightening (0-360°)
- > No. 8200-01/-02 with sliding claw and magnetic arm
- > No. 8200-11 only with magnetic arm

- > To operate with a suitable torque wrench
- > The maximum load of the torque wrench must not be exceeded

Code	No.	"	"	mm		kg
1195980	8200-01	1/2"	1/2"	80	0-360°	0.330

i TSN SLIPPER

Pre-set ratchet head torque wrench with automatic actuation and slip function. Over-tightening is not possible.



1 INTEGRATED RATCHET FUNCTION
Particularly dependable ratchet having 36 teeth (759-00/-01) or 48 teeth (759-02/-03). Slip-through function guarantees controlled and safe screw tightening, even in hard-to-access locations.

2 OUTPUT SQUARE DRIVE
Made of quality steel with ball-locking mechanism.

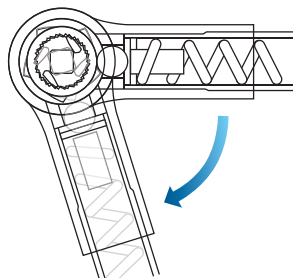
3 HIGH REPEATABILITY
Guarantees constant tightening torques.

4 ROBUST CASTING PART
Made of corrosion-resistant, rustproof material.

5 RUBBER HANDGRIP
Ergonomic and pleasant to hold in your hand. Prevents slipping.

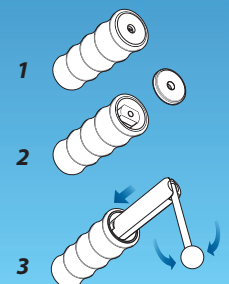
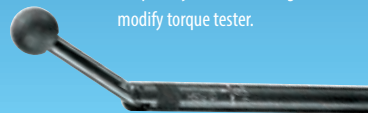
WORKING PRINCIPLE

When the pre-set torque value is achieved, the mechanism slips through over the ball (without the possibility of over-tightening). The torque wrench is then immediately ready for the next operation.



TECHNICAL INFORMATION

All TSN SLIPPER and TBN BREAKER torque wrenches (apart from 760-00/-01) are fitted with the patented "Mechanical Torque Adjustment Locking Device" to modify torque tester.



759
Torque wrench TZN SLIPPER
3-125Nm



- > fixed torque wrench for series assembly
- > 1/4", 3/8" or 1/2" square drive with integrated ratchet function
- > For error proof controlled directional tightening
- > It is not possible to over-tighten the screw
- > Certificate according to DIN EN ISO 6789 / - 4 % tolerance

- > Fixed setting at GEDORE or by hand on a test device
- > If ordering, please specify the N-m value - if a fixed factory pre-setting is desired (price on request)
- > EPA (Electrostatic Protected Area) compliant

Code	No.	"	mm	N-m	lbf-in	mm	
7091900	759-00	1/4"	6,3	5-25	44-221	216	0.340
7092040	759-01	1/4"	6,3	5-25	44-221	216	0.340
7092120	759-02	3/8"	10	15-55	132-486	324	0.800
7092200	759-03	1/2"	12,5	40-125	354-1106	460	1.360

761

Torque wrench TSP SLIPPER, pre-set 1-10Nm



Use:

- > For use in all areas of assembly work where controlled tightening with low torque values is required (eg electronic hardware sector).
- > For controlled nut and bolt tightening.

Features:

- > Pre-set production torque wrench without scale.
- > Square drive with ball-locking mechanism.
- > Integrated ratchet function for controlled clockwise tightening.
- > In accordance with DIN EN ISO 6789, traceable to national norms.

- > Actuation accuracy: +/-6% tolerance of the set torque.
- > Precision mechanism slides through very noticeably and audibly when the pre-set torque is achieved – over tightening is not possible.
- > Automatic resetting to the starting position.
- > Lightweight yet stable and corrosion resistant construction design.
- > ESD (electrostatic discharge) = electrostatically protected.
- > Black, non-slip rubber handgrip.
- > Supplied with a calibration certificate.
- > Unique serial number for traceability.

Code	No.	"	mm	N-m	mm	kg
1196650	761-05	1/4"	6,3	1-5	185	0.190
1196731	761-10	1/4"	6,3	2-10	185	0.190

762

Torque wrench TSC SLIPPER 1-10Nm



Use:

- > For use in all areas of assembly work where controlled tightening with low torque values is required (eg electronic hardware sector).
- > For controlled nut and bolt tightening.

Features:

- > Square drive with ball-locking mechanism.
- > Integrated ratchet function for controlled clockwise tightening.
- > In accordance with DIN EN ISO 6789, traceable to national norms.

- > Actuation accuracy: +/-6% tolerance of the set torque.
- > Precision mechanism slides through very noticeably and audibly when the pre-set torque is achieved – over tightening is not possible.
- > Automatic resetting to the starting position.
- > Lightweight yet stable and corrosion resistant construction design.
- > ESD (electrostatic discharge) = electrostatically protected.
- > Black, non-slip rubber handgrip.
- > Supplied with a calibration certificate.
- > Unique serial number for traceability.

Code	No.	"	mm	N-m	mm	kg
1196480	762-05	1/4"	6,3	1-5	195	0.235
1196510	762-10	1/4"	6,3	2-10	195	0.235

TSC

Torque wrench ADJUSTABLE SLIPPER 10-90Nm



- > Adjustable torque wrench with scale
- > 1/4" square drive with integrated ratchet function
- > For controlled error proof directional tightening

- > It is not possible to over-tighten the screw
- > Certificate according to DIN EN ISO 6789 / - 6 % tolerance
- > EPA (Electrostatic Protected Area) compliant

Code	No.	"	mm	N-m	mm	kg
056060	TSC-45	1/4"	6,3	10-45	195	0.235
056080	TSC-90	1/4"	6,3	20-90	195	0.235

i TBN BREAKER

Pre-set torque wrench with automatic snap actuation. Torque wrench offering maximum accuracy. Guaranteed tightening values without over-tightening.



16 5 - 135 N-m



9x12 0,2 - 135 N-m



1

DRIVE

16 mm spigot end or 9x12 mm rectangular cavity made of quality steel with pin-locking mechanism.



2

BREAKING

All TBN breaking torque wrenches break by 20° at the pivot point when the set torque is achieved. The models 760-00/-01 can also be set to a breaking angle of 90°.

3

RUBBER HANDGRIP

Ergonomic and pleasant to hold in your hand. Prevents slipping.



4

PATENTED MECHANISM

Guarantees a long product lifespan with guaranteed accuracy values.

5

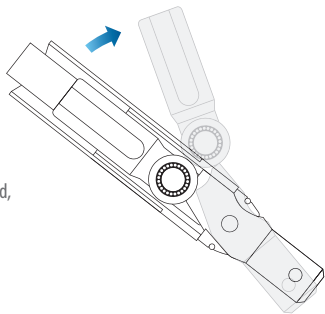
LIGHTWEIGHT STEEL TUBE

Firm, solid, and free of corrosion.

As an option, we also manufacture the TBN BREAKER models 760-00/-01 with interchangeable fittings directly positioned on the tool.

WORKING PRINCIPLE

When the TBN breaking torque wrench is operated, the rear section of the driver unit presses the roller. When the pre-set torque value is achieved, the lever switches over and the front section of the drive unit breaks.



TECHNICAL INFORMATION

TBN BREAKER 760-00/-01 values are changed using the "Double Positive" adjustment system.



ATB SE

Adjustable breaking torque wrench 1-10Nm



Use:

- > Controlled bolt and nut tightening.
- > For use in all areas of production line assembly.
- > Extremely durable.

Features:

- > Compact design allows easy access where space is restricted.
- > With 9x12 mm rectangular end.
- > Offers improved control of the tightening process by reducing the risk of under and over tightening. This is achieved by Torqueleader's unique breaking mechanism that allows the operator more time to react once the target torque is achieved.

- > Accuracy +/- 6% of reading.
- > Reduces the likelihood of warranty claims and rework by assuring process control through accurate and repeatable torque application.
- > Automatic resetting to the starting position.
- > Fast and accurate to set using the quick and easy to read micrometer setting scale.
- > Black, non-slip rubber handgrip.
- > This tool is length dependent, with hand position altering the torque applied.
- > Accessories available.

Code	No.	mm	N-m	mm	kg
2839636	ATB-5G	9 x 12 mm	1-5	230	0.290
2839644	ATB-10G	9 x 12 mm	2-10	230	0.300

760
Breaking torque wrench TBN
0.4-200Nm



- > fixed torque wrench for series assembly
- > 9x12 mm inner rectangular or 16 mm spigot
- > For bi-directional tightening (the wrench only has to be turned by 180°!)
- > Breaking of the handgrip by 20° when the pre-set torque value is achieved makes over-tightening unlikely
- > Certificate according to DIN EN ISO 6789
- > Fixed setting at GEDORE or by hand on a test device
- > If ordering, please specify the N-m value - if a fixed factory pre-setting is desired (price on request)
- > No. 760-00/-01: EPA (Electrostatic Protected Area) compliant

Code	No.	mm	∅	N-m	mm	kg
7090690	TBN2G	9 x 12 mm		0,4-2	133	0.11
7090770	TBN10G	9 x 12 mm		2-10	133	0.15
1824686	TBN25		16	5-25	265	0.41
1824694	TBN25 G	9 x 12 mm		5-25	265	0.41
1824708	TBN65		16	13-65	302	0.75

Code	No.	mm	∅	N-m	mm	kg
1824716	TBN65 G	9 x 12 mm		13-65	302	0.750
1824724	TBN135		16	27-135	408	1.030
1824732	TBN135 G	9 x 12 mm		27-135	408	0.830
050300	TBN200			40-200	520	1.400
050310	TBN200 G	14 x 18 mm	16	40-200	520	1.400

NEW

TBI1000
Industrial Breaking torque wrench
200-1000Nm



- Use:**
- > Controlled screw tightening in the most common range of 200 - 1000 N-m
 - > Industry and vehicle sector (lorries, industrial vehicles)
- Features:**
- > Hot forged beam, high strength tubular steel handle
 - > 3/4" square drive with integrated ratchet function, push through reversible
 - > Non-slip silicone grip
- Use:**
- > Powder coated tubular handle
 - > Acc. to DIN EN ISO 6789, traceable to national standards
 - > Breaking mechanism as an actuation signal which can be seen and felt and makes over-tightening unlikely
 - > Dual scale N-m and lbf-ft
- Scope of delivery:**
- > Test certificate acc. to DIN EN ISO 6789
 - > Delivery in sturdy plastic case



Code	No.	"	Nm	mm	kg
3108023	TBI1000	3/4	200-1000	1500	7.500

NEW

ET2SA
Electronic torque wrench, E-torq
With rotary angle measurement
2-1000Nm



- > Documented tightening for torque and angle of rotation
- > Optical, acoustic and sensory signalling
- > Graphic evaluation with free software
- > Marked contrast graphics display with backdrop lighting
- > 1/4" square, 9x12, 14x18 rectangular, 22 and 28 mm spigot mount (depending on model)
- > Screw joint analyses
- > Process control
- > Factory certificate according to DIN ISO 6789
- > Optional certificate according to DAkkS-DKD-R 3-7
- > Torque reading precision +/- 1 %, +/- 1 digit from reading figure
- > Demonstration and consultation - technical field service
- > Further options on request: further torque, yield strength etc.

Code	No.	"	mm	mm	∅	N-m	lbf-ft	a	d	kg
2795493	ET2SKA 25	1/4"	6,3			2-25	1,5-18	35	347	0.850
2795612	ET2SKA 150	1/2"	12,5	9 x 12		10-150	7-111	35	514	1.330
2795620	ET2SKA 300	1/2"	12,5	14 x 18		30-300	22-221	35	753	1.840
2795639	ET2SZA 600				22	100-600	74-443	35	1.055	3.220
2795655	ET2SZA 1000				28	100-1000	74-750	40	1.488	5.680

i TYPE 83

Torque wrenches with slave pointer Ideal for test, control and maintenance work



1

CLEAR PRODUCT IDENTIFICATION

Provided by the type plate/table. The article number and the serial number always ensure traceability in the scope of your test- and checking-tool management.

2

SOLID TUBE

Light-metal tube with plastic sleeving.

3

PRACTICAL HANDGRIP

Handgrip shaped in accordance with the most recent ergonomic findings. Resistant to grease and oil.



4

INTEGRATED RATCHET SPINDLE

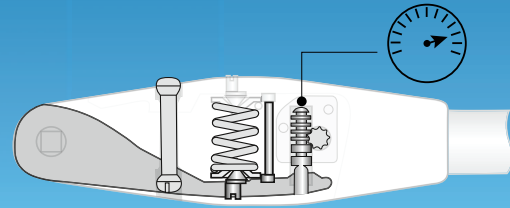
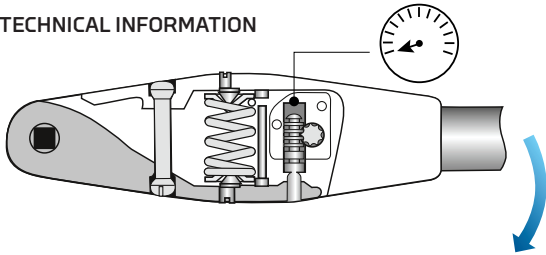
With double square drive enables highspeed bi-directional tightening.

5

DUAL SCALE

N-m and lbf-in/lbf-ft with main and slave pointers, protected by a strong window made of Trogamid "T".

TECHNICAL INFORMATION



The working principle of the torque wrench with slave pointer type 83

8301 - 8302

Torque wrench with slave pointer
0.8-200Nm



- > Dial-indicating torque wrench with dual scale and slave pointer
- > Controlled tightening (right/left) and checking of tightening values
- > 1/4", 3/8", 1/2", 3/4" or 1" double square drive
- > Models No. 8301-04 to No. 8304-80: with integrated ratchet-function

- > Certificate according to DIN EN ISO 6789 / - 4 % tolerance
- > 5 % overload of the maximum value
- > Light, robust aluminium construction
- > Models No. 8301-04 to No. 8301-40: EPA (Electrostatic Protected Area) compliant
- > Audio-visual signal is standard on models 8303-40 to 8305-20

Code	No.	Drive type/drive	1/4"	mm	N-m	lbf-in	lbf-ft	EPA	mm	mm	Height	kg
7651390	8301-04	Double square	1/4"	6,3	0,8-4	7-35		x	244	1 N-m / 1 lbf-in	61	0.520
7651470	8301-12	Double square	1/4"	6,3	2,4-12	21-105		x	244	5 N-m / 2 lbf-in	61	0.520
7651550	8301-25	Double square	3/8"	10	5-25	44-220		x	244	1 N-m / 10 lbf-in	69	0.520
7651630	8301-40	Double square	3/8"	10	8-40	72-360		x	244	1 N-m / 10 lbf-in	69	0.520
7651710	8302-08	Double square	1/2"	12,5	16-80		12-60	0	435	2 N-m / 1 lbf-ft	86	1.360
7651980	8302-20	Double square	1/2"	12,5	40-200		30-160	0	515	5 N-m / 5 lbf-ft	86	1.410

i TORQUE SCREWDRIVERS 756



- 1** DRIVE ADAPTOR
1/4"-SQUARE DRIVE
To fit industry standard nut sockets.
- 2** DRIVE ADAPTOR
1/4"-HEXAGON-MALE
Guarantees a safe and stable connection to the tool.
- 3** "POSITIV-LOCK"-SYSTEM
Locks the set torque, reliably preventing it from wrong setting.
- 4** SCALE
Clearly readable scale ring; enables you to make the setting accurately, quickly and without error.
- 5** SLIDING T-BAR
Made of quality steel, can be adapted to enhance users transmission of power.
- 6** 1/4"-DRIVE TYPE
Made of stainless steel, for industry-standard bits.
- 7** RUBBER HANDGRIP
Ergonomic, can be held securely in your hand.

756
Torque screwdriver type S
0,24-9Nm



- > Adjustable torque screwdriver with scale
- > 1/4" hexagon socket for 1/4" bits - C 6.3
- > With slip clutch for error proof controlled right and left hand tightening
- > It is not possible to over-tighten the screw
- > Test certificate acc. to DIN EN ISO 6789

- > EPA (Electrostatic Protected Area) compliant
- > Incl. 1/4" adapter drive unit (No. 757-20)
- > Models no. 756-06/-09 with additional cross handle



Code	No.	⊘"	⊘ mm	■"	■ mm	cN·m	N·m	↳ mm	⚖
1400150	QSN120 FH	1/4"	6.3	1/4"	6,3	24-120	0,24-1,2	183	0.230
1400169	QSN600 FH	1/4"	6.3	1/4"	6,3	120-600	1,2-6	196	0.335
1400177	QSN900 FH	1/4"	6.3	1/4"	6,3	400-900	4-9	196	0.335

TLS PRO

Torque screwdriver, pre-set
0.05-13.5Nm



- > Accurate process control is ensured by eliminating under and over tightening due to Torqueleader's proven slipping technology.
- > Years of dependable service is provided by the robust design especially if regularly calibrated.
- > Calibration stickers can be easily applied to the purpose designed nose.

- > To allow for customisation and clear identification, interchangeable coloured end caps are available.
- > Increased production efficiency by reducing operator fatigue due to a specifically designed ergonomic handgrip combined with a smooth tool reset action.
- > To assist with higher torque, T-bars come standard with the Pro and ESD 450 and 1350 models.

Code	No.	Hex "	Hex mm	cN-m	N-m	Length mm	Weight kg
065400	TLS PRO 25H	1/4"	6,3	5-25	0,05-0,25	132	0.210
065500	TLS PRO 150H	1/4"	6,3	20-150	0,2-1,5	132	0.210
065600	TLS PRO 450H	1/4"	6,3	50-450	0,5-4,5	140	0.230
065700	TLS PRO 1350H	1/4"	6,3	250-1350	2,5-13,5	140	0.230

NEW

TLS

Torque screwdriver type FS, pre set
0.04-13.6Nm



- > fixed torque screwdriver for series assembly
- > 1/4" hexagon socket for 1/4" bits - C 6.3
- > With slip clutch for error proof controlled right and left hand tightening
- > It is not possible to over-tighten the screw
- > Test certificate according to DIN EN ISO 6789, permissible deviation of +/- 6

- > Fatigue-free working through ergonomic handle
- > Fixed setting at GEDORE or by hand on a test device
- > If ordering, please specify the N-m value - if a fixed factory pre-setting is desired (price on request)
- > Model No. 755-05 with additional cross handle

SPECIAL ORDER ONLY

Code	No.	Hex "	Hex mm	Length "	Length mm	cN-m	N-m	Length mm	Weight kg
1471481	TLS0022 MICRO FH BLUE	1/4"	6.3	1/4"	6,3	4,4-22	0,04-0,22	76	0.050
1471473	TLS0022 FH BLUE	1/4"	6.3	1/4"	6,3	4,4-22	0,04-0,22	104	0.072
1471465	MIN FH BLUE	1/4"	6.3	1/4"	6,3	27-135	0,27-1,35	111	0.210
1471457	STD FH BLUE	1/4"	6.3	1/4"	6,3	80-400	0,8-4	127	0.280
1228501	TLS1360 FH BLUE	1/4"	6.3	1/4"	6,3	280-1360	2,8-13,6	137	0.325

NEW

QS

Torque screwdriver type S, pre set
0.24-9Nm



- > Adjustable torque screwdriver with scale
- > 1/4" hexagon socket for 1/4" bits - C 6.3
- > With slip clutch for error proof controlled right and left hand tightening
- > It is not possible to over-tighten the screw
- > Certificate according to DIN EN ISO 6789

- maximum deviation +/- 6%
- > Incl. 1/4" adapter drive unit (No. 757-20)
- > Models No. 757-06/-09 with additional cross handle

SPECIAL ORDER ONLY



Code	No.	Hex "	Hex mm	Length "	Length mm	cN-m	N-m	Length mm	Weight kg
7718050	QSM/N FH BLUE	1/4"	6.3	1/4"	6,3	24-120	0,24-1,2	169	0.165
7718130	QS6 FH BLUE	1/4"	6.3	1/4"	6,3	120-600	1,2-6	184	0.335
7718210	QS9 FH BLUE	1/4"	6.3	1/4"	6,3	400-900	4-9	184	0.335

NEW

CAPTURE HUB



- > Digital torque tester for testing torque wrenches and torque screwdrivers
- > Light and robust thanks to the aluminum basic housing, horizontal and vertical mounting possible
- > 4 models in the range of 0.1-25 Nm
- > With 1/4" square socket (CH25 with 3/8")
- > Measuring tolerance +/- 1% for all readings
- > 4 measurement modes: sliding value display (track), breakpoint detection (first peak), peak value measurement (peak), screwdriver test
- > Including screw joint simulator attachment for testing screwdrivers
- > Switchable units N m, cN m, lbf ft, lbf in, ozf in
- > 50 test sequences can be programmed
- > 2000 measured values can be saved
- > Clear and high-contrast TFT display
- > expandable by an additional capture sensor (connection socket available)
- > powerful lithium-ion battery for Line Side mains-independent work
- > Data output and mains operation via USB connection
- > optional: PC evaluation software "Capture Manager" (2908778)

Code	No.	N-m	lbf-ft	□ mm	□ "	H mm	W mm	D mm	⚖
036910	CH 1	0.1-1 N-m	0,08-0,75 lbf-ft	6,3	1/4"	50	200	110	0.500
036920	CH 2	0.2-2 N-m	0,15-1,5 lbf-ft	6,3	1/4"	50	200	110	0.500
036930	CH 5	0.5-5 N-m	0,4-3,65 lbf-ft	6,3	1/4"	50	200	110	0.500
036940	CH 25	2.5-25 N-m	3,65-18 lbf-ft	10,0	3/8"	50	200	110	0.500

NEW

CAPTURE DISPLAY AND SENSOR



TOOL BENEFITS AND FEATURES

- > Capture Family User layout / menus (Same operation as Capture Display)
- > Sensors supplied with a UKAS calibration to BS7882 Class 1 or better
- > On Board Memory – 500 Tools & 2000 Torque reading storage
- > Capture Manager software compatibility for certificate generation
- > USB connection for data transfer
- > Clear easy to read display, with limits warnings
- > Capture Display integrates with competitors' 2mV/V sensors / transducers, plug n play
- > Battery or Mains powered

Code	Description	H x W x D	⚖
038700	Capture Display	80 x 170 x 140	0.780
038703	4 way switch (allows 4 sensors to connect to display)	80 x 170 x 140	0.700
036246	Capture Cable (Capture Display to Capture Sensor)		
036226	Capture Cable (Capture Display to Custom Sensor)		
038710	Capture Manager Software		

Code	Description	Nm	Accuracy +/-	□ "	H x W x D	⚖
038820	CS50	5-50	1%	3/8	62 x 85 x 65	0.507
038807	CS5	0.5-5	1%	1/4	62 x 85 x 65	0.500
038810	CS10	1-10	1%	1/4	62 x 85 x 65	0.500
038815	CS25	2.5-25	1%	3/8	62 x 85 x 65	0.500
038825	CS100	10-100	1%	1/2	62 x 85 x 65	0.600
038830	CS250	25-250	1%	1/2	82 x 120 x 87	1.450
038835	CS500	50-500	1%	3/4	82 x 100 x 87	1.600
038845	CS1500	150-1500	1%	1	100 x 165 x 134	4.000

NEW

CAPTURE LITE



- > Digital torque tester for testing torque spanners and torque screwdrivers
- > Light and robust due to aluminium basic housing
- > 5 models in the range from 0.02 N-m to 350 N-m
- > With 1/4", 3/8", 1/2" square mount (CL1 and CL10H with 1/4" hexagonal shaft)
- > Ease of use. Intuitive software design is similar to CAPTURE Display allowing existing Capture users to be familiar with the architecture and new users to become productive quickly, with its easy to use menus and Plug & Play functionality
- > 3 measuring modes: floating value display (track), kink point detection (first peak), peak value measurement (peak)
- > easy handling due to 1-button operation (measuring mode, unit)
- > Switchable between N-m, lbf-ft and lbf-in (depending on model)
- > optimal readability due to single-line well illuminated OLED display
- > Autostart function when a torque tool is inserted
- > Auto-sleep mode when not in use
- > Easy mounting on the table or on the wall
- > Power supply and data output via USB connection

Code	No.	Nm	□ "	□ "	Dimensions (mm)	Hole Centres (mm)	Accuracy +/-	⚖
038120	CL 10	1-10	1/4		120 x 70	90	1%	1.400

NEW

CAPTURE LITE 1100-3000



- > High quality one piece construction, aluminium body, machined from solid billet.
- > Robust powder coating that looks good and stands up to tough industrial environments.
- > High strength stainless steel torsion shaft with 36mm Hex
- > Same footprint and mounting hole positions as other Capture Lite models. Mounting kit available separately
- > Easy to read laser marking of required product information
- > Fully compliant with UKCA and CE marking
- > Similar to other Capture models
- > Simple one-button operation.
- > Peak, First Peak and track mode available
- > Multiple units available: N-m, lbf-ft & lbf-in

- > WAG euro box with custom foam cut-out. (Same box as Capture sensors)
- > CL unit
- > 2 x bolt down bolts
- > USB cable
- > Socket 3/4" FS to 36mm FH (Product Code:6272830)
- > Socket 1" FS to 36mm FH (Product Code: 6174900)
- > Calibration certificate
- > Quick start guide
- > User Instructions

Code	No.	Nm	Drive Size	Drive Type	Adapter	
3297934	CL 1100	80-1100	36mm	male hex	3/4" & 1" socket	1.400
3420523	CL 3000	200-3000	36mm	male hex	3/4" & 1" socket	

8612 Electronic torque tester DREMOTEST E 0.9-3150Nm



- > Checking/adjustment of right-hand torque wrenches and screwdrivers
- > Plug & Work = very easy to use
- > High measurement accuracy: +/- 1% tolerance of reading, +/- 1 digit
- > Autoreset
- > Can be switched from N-m to lbf-ft and lbf-in

- > Serial interface RS232 for PC
- > Test certificate
- > Optional: Car adapter for 12 Volt power supply (No. 8612-390),
- > Optional: plausibility verification software (Code 2834391)

*WHILE STOCKS LAST

Code	No.				Resolution	Adapter	lbf-ft	Nm	cNm/Nm	ozf.in/lbf.in	Gradation	
1824635	8612-720		1/4	1/4					26-130	36-180	2cNm/2ozf.in	10.000
1824651	8612-740			1/4, 3/8					2.4-12	0.2-2	0.2Nm/2lbf.in	3.200
1947699	8612-050*	10			0.01	1/4, 3/8	0.7-40.6	0.9-55				3.000
1856111	8612-300*	17			0.1	3/8, 1/2	7-236	9-320				3.000
1947702	8612-1000*	36			1	1/2, 3/4	66-811	90-1100				10.000
2529858	8612-3150*				1	1	369-2323	500-3150				26.000

7112 Rectangular open end fitting 9x12



- > For solving difficult assembly problems
- > SE recording 9x12

Code	No.					Depth gauge	
7688390	7112-07	7	9 x 12	5,5	20	17,5	0.035
7688550	7112-08	8	9 x 12	5,5	21,5	17,5	0.035
7679050	7112-09	9	9 x 12	5,5	23	17,5	0.035
7688630	7112-10	10	9 x 12	5,5	24,5	17,5	0.040
7688980	7112-11	11	9 x 12	5,5	26	17,5	0.030
7679560	7112-12	12	9 x 12	5,5	27,5	17,5	0,035
7689010	7112-13	13	9 x 12	5,5	29	17,5	0.035
7689360	7112-14	14	9 x 12	7,5	31	20,0	0.040
7689440	7112-15	15	9 x 12	7,5	33	20,0	0.040
7679990	7112-16	16	9 x 12	7,5	35	20,0	0.045
7689600	7112-17	17	9 x 12	7,5	37	20,0	0.050
7684560	7112-18	18	9 x 12	7,5	39	20,0	0.060
7689790	7112-19	19	9 x 12	7,5	41	20,0	0.060

7212
Rectangular ring
end fitting
9x12



- > For solving difficult assembly problems
- > SE recording 9x12

Code	No.	⌀ mm	□ mm	mm	Depth gauge	
7691340	7212-07	7	9 x 12	8	17,5	0.030
7691420	7212-08	8	9 x 12	8	17,5	0.030
7691690	7212-10	10	9 x 12	8	17,5	0.030
7691770	7212-11	11	9 x 12	8	17,5	0.030
7677940	7212-12	12	9 x 12	12	17,5	0.035
7691930	7212-13	13	9 x 12	12	17,5	0.035
7692230	7212-14	14	9 x 12	12	17,5	0.040
7692580	7212-15	15	9 x 12	12	17,5	0.040
7678080	7212-16	16	9 x 12	13	17,5	0.040
7692740	7212-17	17	9 x 12	13	17,5	0.040
7678160	7212-18	18	9 x 12	13	17,5	0.040
7692820	7212-19	19	9 x 12	13	17,5	0.040
7678240	7212-21	21	9 x 12	15	17,5	0.050
7693040	7212-22	22	9 x 12	15	17,5	0.050

7118
Rectangular open
end fitting
14x18



- > For solving difficult assembly problems
- > SE recording 14x18

Code	No.	⌀ mm	□ mm	mm	⌀ mm	Depth gauge	
7689870	7118-13	13	14 x 18	7	30	25,0	0.120
7690020	7118-14	14	14 x 18	7	32	25,0	0.120
7690100	7118-15	15	14 x 18	7	34	25,0	0.120
7685610	7118-16	16	14 x 18	9	35,5	25,0	0.125
7690370	7118-17	17	14 x 18	9	37	25,0	0.130
7686180	7118-18	18	14 x 18	9	39	25,0	0.130
7690450	7118-19	19	14 x 18	9	41	25,0	0.130
7686420	7118-21	21	14 x 18	11	45	25,0	0.155
7690610	7118-22	22	14 x 18	11	47	25,0	0.150
7690880	7118-24	24	14 x 18	11	51	25,0	0.170
7690960	7118-27	27	14 x 18	13	58,5	25,0	0.185
7691260	7118-30	30	14 x 18	13	67,5	25,0	0.220
7687740	7118-32	32	14 x 18	13	67,5	25,0	0.220

7218
Rectangular close
end fitting
14x18



- > For solving difficult assembly problems
- > SE recording 14x18

Code	No.	⌀ mm	□ mm	mm	⌀ mm	Depth gauge	
7693120	7218-13	13	14 x 18	12	21,5	25,0	0.120
7693390	7218-14	14	14 x 18	12	23	25,0	0.120
7693470	7218-15	15	14 x 18	12	24,2	25,0	0.115
7678320	7218-16	16	14 x 18	12	25,7	25,0	0.125
7693630	7218-17	17	14 x 18	12	27,2	25,0	0.125
7678830	7218-18	18	14 x 18	12	28,5	25,0	0.125
7693710	7218-19	19	14 x 18	12	30,5	25,0	0.125
7678910	7218-21	21	14 x 18	15		25,0	0.140
7693980	7218-22	22	14 x 18	15		25,0	0.140
7694280	7218-24	24	14 x 18	15		25,0	0.140
7694440	7218-27	27	14 x 18	17,5		31,0	0.150
7694790	7218-30	30	14 x 18	17,5		31,0	0.160
7695920	7218-32	32	14 x 18	17,5		31,0	0.165

7412
Rectangular
reversible ratchet
head
9x12



- > For solving difficult assembly problems
- > SE recording 9x12
- > Return angle 5°
- > 1/4" to 30 N-m continuous load capacity
- > 3/8" to 135 N-m continuous load capacity
- > 1/2" to 150 N-m continuous load capacity

Code	No.	"	"	mm	mm	mm	mm	Depth gauge	Continuous load	kg
7672710	7412-00	1/4"	6,3	9 x 12	5	16,6	25	17,5	1/4" = 30 N-m	0.060
7686500	7412-01	3/8"	10	9 x 12	5	23,2	34	17,5	3/8" = 135 N-m	0.140
7687230	7412-02	1/2"	12,5	9 x 12	5	24,2	34	17,5	1/2" = 150 N-m	0.150

7418
Rectangular
reversible ratchet
head
14x18



- > For solving difficult assembly problems
- > SE recording 14x18
- > Return angle 7°
- > 1/2" to 340 N-m continuous load capacity
- > 3/4" to 400 N-m continuous load capacity

Code	No.	"	"	mm	mm	mm	mm	Depth gauge	Continuous load	kg
7687580	7418-02	1/2"	12,5	14 x 18	7,2	28,8	25,0	25,0	1/2" = 340 N-m	0.363
7687660	7418-04	3/4"	20	14 x 18	7,2	35,5	25,0	25,0	3/4" = 400 N-m	0.790

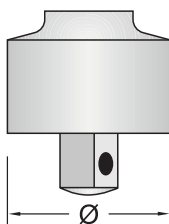
i ACCESSORIES DREMOMETER

Ratchet heads DREMOMETER 754

Ratchet head no. 754 can only be used in combination with the DREMOMETER. Please note the right direction of rotation by the ratchet head when ordering. There are separate models for clockwise or counter-clockwise rotation. Ratchet head nos. 754-11 to 754-16 (counter-clockwise) can only be used with the DREMOMETER with double square drive.



754
Ratchet head
1/2" - 1"



- > Enables controlled torque tightening in combination with a DREMOMETER torque wrench
- > Fine-pitched, sturdy ratchet head
- > Made of chrome-vanadium steel
- > Clockwise models (no. 754-00 to -06)

- > Anti-clockwise models (no. 754-11 to -16)
- > Made of chrome-vanadium steel
- > *Max. continuous load of ratchet according to DIN EN ISO 6789:2003 and/or maximum load of cavity

Code	No.	"	"	H	mm	°	Use	Version	Permanent load capacity*	kg
7680650	754-02	1/2"	1/2"	36	46	7,5	B, BC, C	Clockwise	1/2" = 340 N-m	0.350
7680730	754-04	3/4"	3/4"	56	65	10	CD, DS, D, DR, DX	Clockwise	3/4" = 1000 N-m	1.000
7680810	754-06	1"	1"	62	73	10	E/ EK	Clockwise	1" = 2000 N-m	1.800

NEW

i LDA CORDLESS TORQUE WRENCH UP TO 13 000 Nm

with process reliable documentation software and sunlight-readable colour display



LDA series – straight version

FEATURES

- 1 DISPLAY**
SUNLIGHT-READABLE COLOUR DISPLAY. CONTINUOUSLY ADJUSTABLE TORQUE FROM 90 - 13 000 Nm
- 2 PRECISION**
TORQUE ACCURACY BETTER THAN +/- 3% FOR THE SAME BOLT CONNECTION
- 3 BATTERY PERFORMANCE**
SYSTEM PERFORMANCE: 270 WH
POWERFUL 90 WH (18V/5AH) LITHIUM-ION BATTERY
- 4 AUTOMATIC DEVICE SWITCH-OFF**
OWN MICROPROCESSOR-CONTROLLED SWITCH-OFF ELECTRONICS. AUTOMATIC SWITCH-OFF OF THE DEVICE WHEN TORQUE IS ACHIEVED. WRENCH SLACKEN (BACK OFF) AFTER TORQUE IS APPLIED
- 5 LOW-MAINTENANCE MODERN CONTROL SYSTEM**
BRUSHLESS TECHNOLOGY
- 6 DOCUMENTATION**
DOCUMENTATION OF OVER 10.000 BOLTED CONNECTIONS AND PRE-DEFINING OF DIFFERENT BOLTING OPERATIONS WITH THE MODULE DOCU (OPTIONAL)
- 7 TORQUE ROTATION ANGLE MODUS**
DEFINED BOLTING WITH THE TORQUE ROTATION ANGLE MODUS (OPTIONAL)

Type	N·m min ^{*1} /max ^{*2}	lbf·ft min ^{*1} /max ^{*2}	~ U/ min	■	Ø D mm	H mm	⚖ Kg ^{*3}
LDA - 05 Solution*	90 - 500	66 - 369	46	3/4"	80	294	3.4
LDA - 07 Solution*	120 - 700	86 - 516	29	3/4"	80	326	4.0
LDA - 12 Solution*	200 - 1200	148 - 885	20	3/4"	80	326	4.0
LDA - 15 Solution*	180 - 1500	184 - 1107	15	1"	88	342	5.1
LDA - 22 Solution*	300 - 2200	221 - 1623	10	1"	90	360	5.7
LDA - 32 Solution*	400 - 3200	290 - 2360	7	1"	88	383	6.2
LDA - 40 Solution*	500 - 4000	369 - 2950	5.5	1"	88	383	6.2
LDA - 60 Solution*	700 - 6000	516 - 4425	3.5	1 1/2"	102	398	7.9
LDA - 80 Solution*	1000 - 8000	740 - 5900	1.8	1 1/2"	128	423	12.1
LDA - 100 Solution*	1250 - 10 000	930 - 7380	1.4	1 1/2"	142	438	14.0
LDA - 130 Solution*	1600 - 13 000	1180 - 9590	1.0	1 1/2"	174.5	454	20.1

* Module and Software is not available for the LDA-05 and LDA-07 Solution.

* Module function for LDA-12 and LDA-15 Solution is only in 1st Gear

* From LDA-22 Solution available for both Gears

Conforms to the highest standards

The data transfer of all bolt tightening operations via USB interface at the end of the working day is flawless and complete with the LDA Solution. An integrated counting mode for life and maintenance cycle reminds you of service and recalibration.

NEW

LAW SOLUTION

CORDLESS TORQUE WRENCH
UP TO 6000 Nm



FEATURES

1

DISPLAY

SUNLIGHT-READABLE COLOUR DISPLAY. CONTINUOUSLY ADJUSTABLE TORQUE FROM 90 - 6000 NM

2

PRECISION

TORQUE ACCURACY BETTER THAN +/- 3% FOR THE SAME BOLT CONNECTION

3

BATTERY PERFORMANCE

SYSTEM PERFORMANCE: 270 WH
POWERFUL 90 WH (18V/5AH) LITHIUM-ION BATTERY

4

AUTOMATIC DEVICE SWITCH-OFF

OWN MICROPROCESSOR-CONTROLLED SWITCH-OFF ELECTRONICS. AUTOMATIC SWITCH-OFF OF THE DEVICE WHEN TORQUE IS ACHIEVED. WRENCH SLACKEN (BACK OFF) AFTER TORQUE IS APPLIED

5

LOW-MAINTENANCE MODERN CONTROL SYSTEM

BRUSHLESS TECHNOLOGY

6

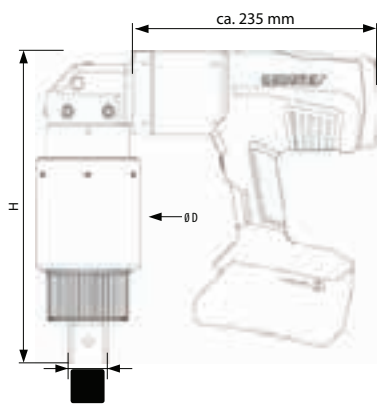
DOCUMENTATION

DOCUMENTATION OF OVER 10.000 BOLTED CONNECTIONS AND PRE-DEFINING OF DIFFERENT BOLTING OPERATIONS WITH THE MODULE DOCU (OPTIONAL)

7

TORQUE ROTATION ANGLE MODUS

DEFINED BOLTING WITH THE TORQUE ROTATION ANGLE MODUS (OPTIONAL)



LAW Solution series – angled version

Type	N-m min/ max	lbf-ft min/ max	~ U/min	■	Ø D mm	H mm	kg
LAW-22 Solution	300 - 2200	220 - 1630	7	1"	90	256	8.7
LAW-32 Solution	400 - 3200	290 - 2360	5	1"	88	289	9.4
LAW-40 Solution	500 - 4000	370 - 2950	3,8	1"	88	289	9.4
LAW-60 Solution	750 - 6000	550 - 4430	2,2	1½"	102	295	11.0

TORQUE MULTIPLIERS

The name says it all: The GEDORE torque multipliers in the DREMOPLUS ALU series are reliable and greatly reduce the wrench length and force required by the user.



In mechanical and plant engineering, heavy industry, construction industry, ship, aircraft, railway and power stations - applications which a multiple of the torque that the user can apply is often required. This is where GEDORE's mechanical, hand-operated torque multipliers and reaction arms are the perfect solution.

When tightening and loosening, the safety slip release mechanism with overload protection is the main feature. At 10% overload, it releases and seamlessly re-engages. The mechanism, including the low-backlash two-stage planetary gear, is packed in a light and slim housing made of high-performance aluminium. This makes torque multipliers around 30% lighter and durable than models with steel housings - and really power packs.

i

CHOOSING THE RIGHT TORQUE ASSEMBLY TOOL FOR SCREWS AND NUTS

- It is vital that use is made of a torque wrench complete with ratchet function (integrated or separate) for torque multipliers without anti-wind-up ratchet
- For models with an anti-wind-up ratchet, we recommend the use of torque tools complete with ratchet function (integrated or separate) - for ease of working

RELIABLE, COMPACT AND DURABLE



GEDORE DREMOPLUS ALU MAKES THE DIFFERENCE



- Delivery incl. factory test certificate
- Lightweight, robust tools



- Reliable accuracy for all applications with repeatability of $\pm 3\%$



- Torque settings and individual tool components are fully traceable



- Minimised impact on the tooth flanks in the low-backlash planetary gearbox



- Precise matching of components
- Integrated safety overload protection



SAFETY PLUS

- Convenient and safe working - perfect for confined spaces or where access is limited
- Repetition-accurate and precise results ensure a maximum degree of safety
- High degree of resilience and long life of the appliances attributable to a lowbacklash planet gear with Ceramic-Teflon® coating
- A 30% + lighter steel housing thanks to the use of high-performance aluminium
- Precise, reliable figures - even under extreme climatic conditions
- The most common INPUT/OUTPUT torques are displayed on the torque multiplier

i WORKING PRINCIPLE

TORQUE - VELOCITY

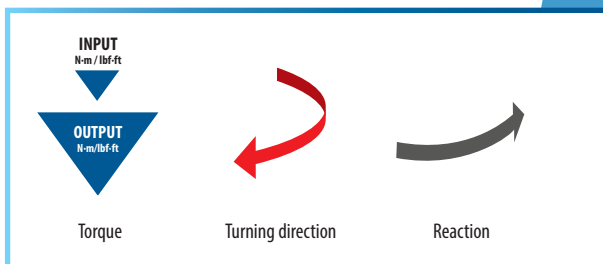
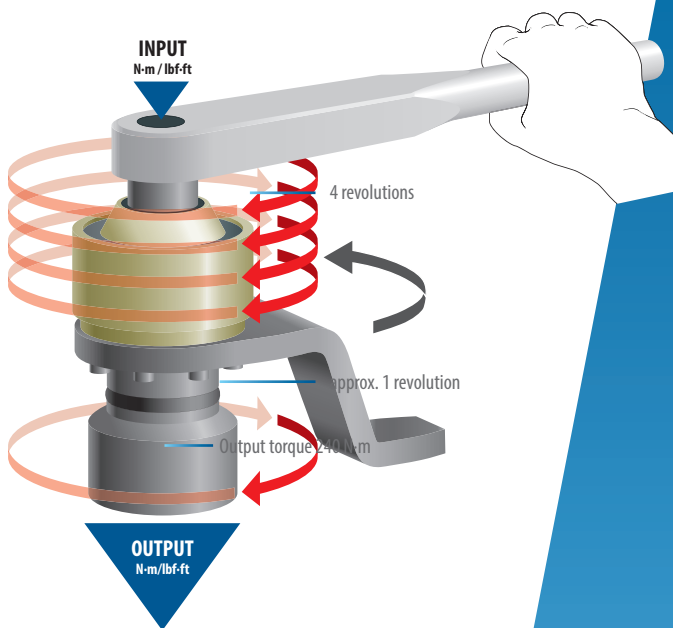
The chart represents the torque principle, multiplication.
Let us assume a 60 Nm input torque and a 240 Nm output torque.

At a 1:4 ratio, 4 revolutions are needed at the input for 1 revolution with a 240 N-m torque to be obtained at the output.

This is substantiated in terms of the physical formula:
Power = torque x revolution

With gear efficiency deducted, the output power is to be considered as a constant equal to the input power.
Thus multiplication of the torque can only be obtained from an increased number of revolutions at the input.

INPUT TORQUE WITH TORQUE WRENCH 60 N·M



FORCE AND REACTION

When working with a torque multiplier, torsion wind-up is built up in the gear when the screw is tightened.
This stress must be reduced. A reaction absorbed by reaction arm and abutment is produced.

L-FORM REACTION ARM WITHOUT ADJUSTABLE REACTION SQUARE

The reaction acts on the wall. Is possible, but the tilting moment which arises causes the max. permitted torque to drop by 20 %.



L-FORM REACTION ARM WITH ADJUSTABLE REACTION SQUARE

The reaction acts on the adjacent impact socket.



REACTION ARM IN Z-FORM

The reaction acts on the adjacent screw connection



REACTION ARM

L-FORM



- This straight reaction arm with adjustable reaction square is admirably suited for flange screw connections.
- The L-form reaction arm has in terms of support a larger radius than the Z-Form.



The L-form is also ideal for those points above the screwtightening level. However, the resulting tilting moment causes the max. permitted torque to drop by 20 %.

Z-FORM



- A flexible off set reaction arm which has proved itself as the standard solution.
- Supporting situations are, for instance, adjoining screws, walls, machine parts and other stable abutments.
- This reaction arm can be ideally used where conditions are quite cramped.



i DREMOPLUS ALU FAMILY 1

DVV-40Z, DVV-40ZRS – DVV-540RS



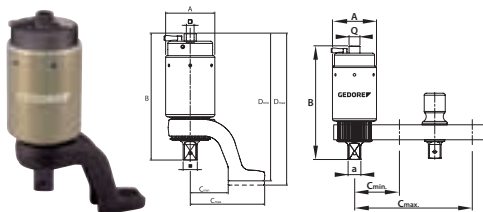
- 1** Convenient: Integrated "RS" anti-wind-up ratchet for safe working. Bi-directional (apart from model DVV-40Z)
- 2** Lightweight and slim: High-performance aluminium housing is 30 % lighter than a steel one
- 3** Low backlash, 2-stage planet gear for a long service life
- 4** Stable, shuttle-impacted gear housing
- 5** Flexible: With detachable Z-form reaction arm, can be optionally retrofitted with L-form reaction arm and adjustable reaction square
- 6** A 1", 1.1/2" or 2.1/2" output square with drill hole for impact sockets with safety pin and ring
- 7** 1/2" or 3/4" input square
- 8** Overload safety mechanism: Non-destructive overload safety mechanism - "Slipper" - filed as a patent. Triggers overload at 10% and again clicks into place. Clockwise and anti-clockwise
- 9** A coating of the tooth flanks consisting of ceramic and teflon enables the gear to be constantly lubricated with a minimum of grease
- 10** A Z-form forged reaction arm of chromevanadium steel absorbs any countering force that arises. Optional: L-form reaction arm on request

100% QUALITY CHECK

- Delivery including factory test certificate
- The most common INPUT/OUTPUT torques on the torque multiplier



DVV-40Z - DVV-40ZRS Torque multiplier DREMOPLUS ALU 4000Nm



- > Controlled screw tightening and loosening
- > High-performance aluminium housing
- > Transmission ratio 1:16
- > DVV-40ZRS model with anti-wind-up ratchet (RS)
- > Non-destructive overload protection "Slipper" to protect the gearbox, right and left hand

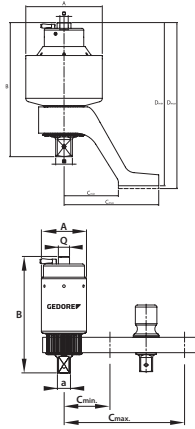
- > Z-form, offset reaction arm depending on model made of chrome-vanadium steel
- > Better than +/- 3 % accuracy
- > To operate with a suitable torque wrench

Code	No.	max. N-m Output	max. lbf-ft Output	Reaction arm	•:•	□" C	■" D	A	B	C min	C max	D min	D max	max. N-m Input	max. lbf-ft Input	kg
2653087	DVV-40Z	4000	2390	Z-form, offset	1:16	1/2"	1"	88	212	68	133	250	256	300	220	3,9
2653109	DVV-40ZRS	4000	2390	Z-form, offset	1:16	1/2"	1"	88	227	68	133	264	270	310	230	4,2

OPTIONAL ACCESSORIES:

Code	No.	Designation	C min	C max	
2653176	RZ-DVV40	Reaction arm Z-form offset for DVV40	68	133	1.500
2653184	RL-DVV40	Reaction arm L-form straight for DVV40, 1"	86	234	1.737

DVV-60ZRS - DVV-130ZRS
Torque multiplier DREMOPLUS ALU
6000 - 13000Nm



- > Controlled screw tightening and loosening
- > High-performance aluminium housing
- > Transmission ratio 1:18, 1:22, 1:28.5, 1:39
- > All models with return flow protection (RS)
- > Non-destructive overload protection "Slipper" to protect the gearbox, right and left hand
- > With cranked reaction arm Z-shaped
- > Better than +/- 3 % accuracy

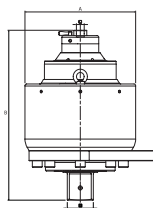
> To operate with a suitable torque wrench

Code	No.	max. N-m Output	max. lbf-ft Output	Reaction arm		" C	" D	A	B	C min	C max	D min	D max	max. N-m Input	max. lbf-ft Input	
2653117	DVV-60ZRS	6000	4400	Z-form, offset	1:18	3/4"	1.1/2"	102	257	110	190	316	324	400	300	6.60
2653125	DVV-80ZRS	8000	5870	Z-form, offset	1:22	3/4"	1.1/2"	128	277	110	190	338	342	420	310	9.10
2653133	DVV-100ZRS	10000	7330	Z-form, offset	1:28,5	3/4"	1.1/2"	142	292	120	216	350	356	410	305	10.9
2653141	DVV-130ZRS	13000	9530	Z-form, offset	1:39	3/4"	1.1/2"	175	306	126	229	(372)	(379)	380	280	17.0

OPTIONAL ACCESSORIES:

Code	No.	Designation	C min	C max	
2653192	RZ-DVV60	Reaction arm Z-form offset for DVV60	110	194	4.015
2653206	RZ-DVV80	Reaction arm Z-form offset for DVV80	110	190	4.484
2653222	RZ-DVV100	Reaction arm Z-form offset for DVV100	120	215	3.166
2653230	RZ-DVV130	Reaction arm Z-form offset for DVV130	126	229	3.58
2654091	RL-DVV60-80	Reaction arm L-form straight for DVV60-80, 1.1/2"	120	315	4.104

DVV-540RS
Torque multiplier DREMOPLUS ALU
54000Nm



- > Controlled screw tightening and loosening
- > High-performance aluminium housing
- > Better than +/- 3 % tolerance
- > For operation in combination with a torque wrench
- > With fixture for welding on a reaction arm (optional)
- > Multiplication at the ratio of 1:175
- > 1 model for a maximum load of around a max. 54000 N-m

> Output square with drill hole for impact sockets with safety pin and ring

Code	No.	max. N-m Output	max. lbf-ft Output	Reaction arm		" C	" D	A	B	max. N-m Input	max. lbf-ft Input	
2653168	DVV-540RS	54000	40330	without	1:175	3/4"	2.1/2"	270	415	380	280	64.6

i DREMOPLUS ALU FAMILY 2

DVI-20L/Z UND DVI-28L/Z



1 3/4" input square

2 Low backlash, single-stage planet gear for a long service life

3 Output square 1" with drill hole for impact sockets with safety pin and ring

4 Overload safety mechanism achieved from a classic shearing square

5 Overload safety mechanism achieved from a classic shearing square

6 Overload safety mechanism achieved from a classic shearing square

DVI-20Z AND DVI-28Z

- Reaction arm Z-form offset
- fix integrated

DVI-20L AND DVI-28L

- Reaction arm L-form with adjustable reaction square drive
- fix integrated

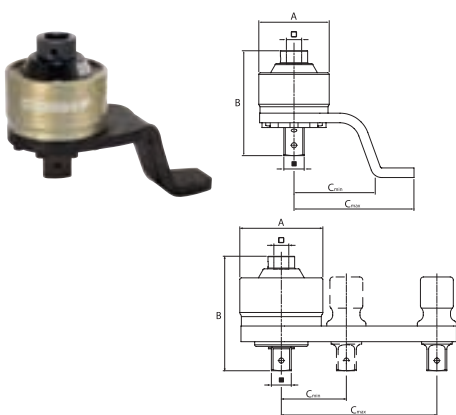
100% QUALITY CHECK

- Delivery including factory test certificate
- The most common INPUT/OUTPUT torques on the torque multiplier



DVI-20L/Z - DVI-28L/Z

Torque multiplier DREMOPLUS ALU
2000-2800Nm



- > Controlled screw tightening and loosening
- > High-performance aluminium housing
- > Better than +/- 3 % tolerance
- > For operation in combination with a torque wrench
- > With firmly integrated reaction arm of an

- Z- or L-form depending on model
- > Multiplication at the ratio of 1:4, 1:5.5

Code	No.	max. N-m Output	max. lbf-ft Output	Reaction arm	⚙️	□ C	■ D	A	B	C min	C max	🔧 max. N-m Input	🔧 max. lbf-ft Input	⚖️
2653249	DVI-20L	2000	1500	L-form, straight	1:4	3/4"	1"	88	131	73	152	580	430	1.8
2653257	DVI-28L	2800	2050	L-form, straight	1:5,5	3/4"	1"	106	146	83	199	550	410	2.4
2653265	DVI-20Z	2000	1500	Z-form, offset	1:4	3/4"	1"	88	131	100	150	580	430	1.8
2653273	DVI-28Z	2800	2050	Z-form, offset	1:5,5	3/4"	1"	106	146	100	150	550	410	2.4

OPTIONAL ACCESSORIES:

Code	No.	Designation	
2653281	RZ-DVI20	Reaction arm Z-form offset for DVI20	1.1
2653303	RL-DVI20	Reaction arm L-form straight for DVI20, 1"	1.2
2653311	RZ-DVI28	Reaction arm Z-form offset for DVI28	1.5
2653338	RL-DVI28	Reaction arm L-form straight for DVI28, 1"	1.7
2653346	E-VKT-DVI20	Spare square 1" for DVI20	0.3
2670526	E-VKR-DVI28	Spare square 1" incl. ring for DVI28	0.5

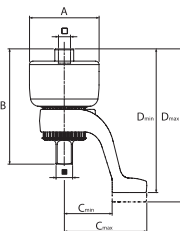
DREMOPLUS ALU FAMILY 3

DVV-13Z



- 1 1/2" input square
- 2 Low backlash, single-stage planet gear for a long service life
- 3 Output square 3/4" with drill hole for impact sockets with safety pin and ring
- 4 Reaction arm: Forged reaction arm absorbs any counter force arising
- 5 Lightweight: High-performance aluminium housing is 30 % lighter than a steel one
- 6 Flexible: With detachable Z-form reaction arm; can be optionally retrofitted with long reaction arm incorporating an adjustable reaction square (L-form) of lightweight metal

DVV-13Z
Torque multiplier DREMOPLUS ALU
1300Nm



- > Controlled screw tightening and loosening
- > With a single-stage planet gear
- > High-performance aluminium housing
- > Better than +/- 3 % tolerance



- > For operation in combination with a torque wrench
- > Can be optionally retrofitted with L-form straight reaction arm
- > Multiplication at the ratio of 1:5
- > Also available as set (No. DVV-13ZG) with three different impact sockets - sizes 27, 30, 32 mm

Code	No.	max. N-m Output	max. lbf-ft Output	Reaction arm	•••	□ " C	■ " D	A	B	C min	C max	D min	D max	max. N-m Input	max. lbf-ft Input	
2653370	DVV-13Z	1300	950	Z-form, offset	1:5	1/2"	3/4"	80	133	56	95	165	173	270	200	1.3
2653389	DVV-13ZG	1300	950	DVV-13ZK 32 27K 32 30K 32 32	1:5	1/2"	3/4"	80	133	56	95	165	173	270	200	3.0

OPTIONAL ACCESSORIES:

Code	No.	Designation	C min	C max	
2653397	RZ-DVV13	Reaction arm Z-form offset for DVV-13	55	95	0.582
2653400	RL-DVV13	Reaction arm L-form straight for DVV-13, 3/4"	60	159	0.800
2684233	E-S-DVV13	Sun gear for DVV-13			0.096

PULLERS

Concentrated power forged from steel: Pullers effortlessly move loads weighing several tonnes. Whenever components such as roller bearings, gear wheels or other machine elements need to be safely released from the friction-locked connection.

In industry and trade, stuck connections of pressed-on components that are held in position by their own frictional force are part of work life. GEDORE pullers are

the perfect choice for loosening them effortlessly and gently. Over 100 years of manufacturing expertise are reflected in the intelligent design and well thought-out components.

External and internal extractors, ball bearing extractors, special tools for the automotive sector and accessories such as nut splitters, flange drivers, thread adapters and safety foils. The GEDORE range covers the complete range of applications from 0.5 - 15 tonnes in workshops, industry, agricultural and construction machinery repair.

i BEST QUALITY FOR YOUR SAFETY

- Maximum value is attached to the safety of the puller when selecting the material and manufacturing process for each individual component part beforehand.
- Any overloading of drop-forged components, such as 2-arm cross-beams, legs and clamping parts, is revealed through deformation - on account of the course of their fibres - rather than through fracturing and/or splintering.
- Thermo-chemical treatment bestows a hardness on the components meeting the demands placed.
- Strict checks ensure a constant high quality





SECURE INTELLIGENT

GEDORE PULLERS FOR MAXIMUM PERFORMANCE

- High-grade industrial quality for the toughest forms of continuous use and safety in everyday work
- Many years of experience in the development and production of puller tools
- Numerous patents and utility models,
- Effortless moving of multi-ton loads
- Ideal for the controlled use of force and a vital requirement for safe working



GEDORE SPINDLE

- Maintenance free
- Fine thread is rolled and obtains higher strength
- Nitocarburised surface makes them wear-resistant
- Oil and grease not necessary
- Spindle tips can be replaced

INTELLIGENT DESIGNS - WELL THOUGHTOUT COMPONENTS

- GEDORE pullers impress as much through their quality as they do through their user-friendliness and superiority in detail:
- A lasered scale on the 2-arm cross-beam enable the legs to be symmetrically aligned
- Leg brake and quick-release clamp are those rapid and assured ways of locking and fastening the puller legs
- Both the nitro-carburised mechanical and hydraulic spindles have properties that make work considerably easier and safer

PULLERS

8220

Twin grip pullers



- > For the safe and fast removal of discs, pulleys, wheels, ball bearings etc.
- > Strong drop forged design.

- > Reversible hooks permit use as an internal or external puller.
- > Available in standard length or with extensions for extra length.

*WHILE STOCKS LAST

Code	No.	Running Depth	Max. Opening	
040150	8220-10	105	110	1.200
040180	8220-20	160	180	3.100
040210	8220-30*	210	280	8.500
040160	8220-10L	200	110	1.800
040190	8220-20L	310	180	4.500
040220	8220-30L*	410	280	11.600

Code	No.	Running Depth	Max. Opening	
040460	8220-20HSP1 Puller & Spindle *	90	180	0.900
040470	8220-30HSP3 Puller & Spindle *	100	280	2.000
040480	8220-20L HSP1 Puller & Spindle *	90	180	5.000
040490	8220-30L HSP3 Puller & Spindle *	100	280	

Code	No.	Running Depth	Max. Opening	
040170	8220-10P	151		0.900
040200	8220-20P	220		2.000
040230	8220-30P	308		5.000

8562

Twin grip pullers



- > For removing small parts such as battery terminals, pulleys, wheels, ball bearings etc.

Code	No.	Running Depth	Max. Opening	
040427	8562-1	50	60	0.200
040428	8562-2	70	70	0.220

8563

Triple grip puller



- > For removing small parts such as battery terminals, pulleys, wheels, ball bearings etc.

Code	No.	Running Depth	Max. Opening	
040417	8563-1	55	60	0.310

8564
Twin grip pullers



*WHILE STOCKS LAST

Code	No.	Running Depth	Max. Opening	
040010	8564-2	100	110	1.000
040030	8564-3	140	150	1.900
040050	8564-4	200	200	2.300
040440	8564-4 HSPIL Puller & Spindle *	105	200	3.700

8565
Triple grip puller



Code	No.	Running Depth	Max. Opening	
040020	8565-2	80	120	1.300
040040	8565-3	140	160	2.500
040060	8565-4	200	220	4.000
040450	8565-4 HSPIL Puller & Spindle5	105	220	4.600

8566
Twin grip pullers



*WHILE STOCKS LAST

Code	No.	Running Depth	Max. Opening	
040070	8566-1	300	300	9.800
040080	8566-2	400	400	10.800
040495	8566-1 HSP3 Puller & Spindle *	105	300	10.100
040500	8566-2 HSP3 Puller & Spindle *	110	370	11.100

8567
Triple grip puller



> Suitable for industrial purposes and heavy agricultural as well as construction machines.

*WHILE STOCKS LAST

Code	No.	Running Depth	Max. Opening	
040090	8567-1	400	350	11.900
040100	8567-2	400	420	13.000
040505	8567-1 HSP3 Puller & Spindle *	110	345	12.100
040510	8567-2 HSP3 Puller & Spindle	110	350	13.300

8568
Twin grip pullers



> Heavy duty model for the removal of discs, pulleys, wheels, ball bearings etc.

Code	No.	Running Depth	Max. Opening	
040110	8568-1	100	150	0.800
040130	8568-2	140	200	1.900

8569
Triple grip puller



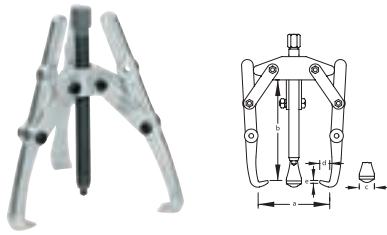
> Heavy duty model for the removal of discs, pulleys, wheels, ball bearings etc.

Code	No.	Running Depth	Max. Opening	
040120	8569-1	80	150	1.100
040140	8569-2	140	200	2.700

PULLERS





1.15

Triple grip pullers



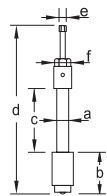
- > Tried and tested, particularly strong design for removing discs, wheels, ball bearings etc.
- > With technical and economical benefits due to the variable clamping reach and automatic grip of the legs

- > Particularly suitable for pulling off V-belt pulleys and flywheels which are mounted on longer shafts
- > Upgradeable with hydraulic spindle

Code	No.	a max	b	max. t		 mm	optional 	c	d	e	
8006190	1.15/1	130	140	3	M 14x1,5 x 140	17 mm	-	18	11	2,0	1.200
8006350	1.15/2	200	210	7.5	M 18x1,5 x 200	25 mm	-	25	16	3,0	3.300

HSP


Hydraulic pressure spindle



- > For controlled and safe pulling work
- > Set up for a compression of up to 15 t
- > The thrust piece can be replaced by a tip and extended if necessary

- > The small pressure spindle is secured with an unscrewing lock to stop any accidental withdrawal

*WHILE STOCKS LAST

Code	No.	max. t	b	c	d	e	f	Stroke	
040350	HSP1L*	10,0	80	135	350	12	32	12	1.300
040360	HSP1	6,0	80	205	420	12	36	12	1.800
040400	HSP3*	15,0	125	165	465	17	41	12	3.375

1.30/N

Internal extractor with reinforced shoulder







- > Especially suitable for the safe and trouble-free extraction of needle roller bearings, ball bearings and brass sleeves from crankshafts

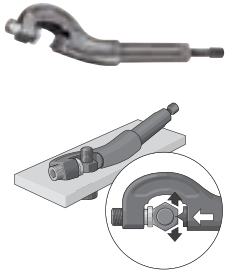
Note:

- > The shoulder of the shell jaw must be applied behind the bearing

*WHILE STOCKS LAST

Code	No.	 mm	 M	 mm	
8012750	1.30/0*	5-8	M10	10	0.120
8012830	1.30/1*	8-12	M10	10	0.120
8012910	1.30/2*	12-15	M10	10	0.130
8012130	1.30/3*	15-19	M10	14	0.170
8012480	1.30/4*	19-25	M10	14	0.200
8012560	1.30/4A*	25-30	M10	14	0.300
8012640	1.30/5*	30-35	M10	14	0.400
8012720	1.30/6*	35-45	M14 x 1.5	17	0.650

1.26/HYD
Nut splitter
Hydraulic



- > With strong chisel, additionally induction hardened
- > No breakout of the cutting edge
- > The chamfer at the chisel's edge improves the splitting effect and prevents breakage
- > For nuts up to property class 10
- > Chisel replaceable

Code	No.	for nuts of size	mm	max. t	
040790	1.26/1 HYD	M4 - M14	12	5	0.800
040870	1.26/2 HYD	M14 - M24	12	13	3.400

8600
Stud extractor



- > For removing damaged studs with right-hand or left-hand thread
- > Even suitable for extremely short stud ends

Code	No.	Ø-Stud	
041010	8600-1	4-10	0.600
041020	8600-2	8-25	0.230

1.73
Universal ball joint puller



- > For pressing out the ball joint pins when removing car and truck ball joints

Code	No.	mm	Clamping height	Fork depth	
8030810	1.73/1	23	65	24	0.730

1.36
Support brace



Operation:

The counter-support brace is placed on the housing and the spindle screwed onto the spindle of the

internal extractor. The toggle is held firmly, and the bearing extracted by tightening the nut.

Code	No.	for internal extractors	M	mm	
8016580	1.36/1	1.30/0 - 1.30/5 1.34/1 - 1.34/4	M10	27 mm	0.750
8016660	1.36/2	1.30/6 - 1.30/7	M14x1,5	32 mm	1.650

8551
Bolt extractor set



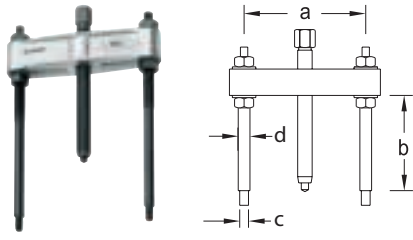
- > Made from Chrome Vanadium steel-35HRC.
- > In sturdy plastic case.

Code	No.	Contents	
6759890	8551-88	8551 Bolt extractor M3-M6 M6-M8 M8-M11 M11-M14 M14-M18 M18-M24 M24-M33 M33-M45	0.724

PULLERS





1.38

Separator puller



> These pullers are used in conjunction with the No. 1.40 cutting blades

> The tension bolts are screwed into the threaded holes of the cutting blades



Code	No.	a	b	for separator			optional 	C / D	
8017550	1.38/0	40-120	125	1.40/0	M 14 x 120	17 mm	-	M10 / M12x1,5	1.000
8017630	1.38/1	165-60	180	1.40/1	M 18 x 170	19 mm	-	M10 / M14x1,5	1.100
8017710	1.38/2	70-215	195	1.40/2	G 1/2 x 210	22 mm	1.06/HSP1	M14x1,5 / M16x1,5	3.400
8017980	1.38/3	90-300	205	1.40/3	G 3/4 x 280	27 mm	1.06/HSP2	M18x1,5 / M20x1,5	6.500

1.40

Separator



> For removing taper roller and ball bearings, inner bearing races, and other tightly-seated or thin-walled parts

Code	No.	A mm 	for puller	C	
8019680	1.40/0	5-60 mm	1.38/0	M10	0.500
8019760	1.40/1	12-75 mm	1.38/1	M10	0.900
8019840	1.40/2	22-115 mm	1.38/2	M14x1,5	2.400
8019920	1.40/3	30-155 mm	1.38/3	M18x1,5	4.700



1.31
Internal extractor set



- > Sets comprise the most used extractor sizes for the removal of ball bearings, bearing races, bushings, shaft seals, etc.
- > In robust sheet metal case

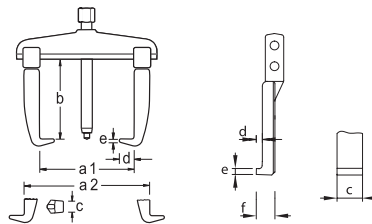
Code	No.	Contents	
8014610	1.31/1	1.30/2 Internal extractor 12-15 mm 1.30/3 Internal extractor 15-19 mm 1.30/4 Internal extractor 19-25 mm 1.30/4A Internal extractor 25-30 mm 1.30/5 Internal extractors 30-35 mm 1.30/6 Internal extractor 35-45 mm 1.36/1 Counter support for 1.30/0 - 1.30/5 1.36/2 Counter support for 1.30/6 - 1.30/7 131/199B Sheet metal box empty	6.400

1.07/K
Puller set with 9 legs



- > In robust plastic case
- > Contents: 1 spindle, 1 cross-beam each 2- and 3-arm pattern and 9 slim pulling legs in 3 lengths

> 2. spindle in case 1.07/K saves working time



Code	No.	a	b	max. t		mm	optional 	c	d	e	
8117340	1.07/K	130	100 / 200 / 250 mm	2,5		17 mm	-	27	7,5	3,7	5.800

1100-1.04
Universal puller kit, in L-BOXX® 136



- > Maximum capacity up to 5t.
- > 2- and 3-arm cross-beam.
- > With rigid and slim legs and extensions.
- > 12 different pullers can be combined.
- > External Ø up to 130mm, internal Ø up to 170mm with a

200mm clamping reach.
> 1100 CT2-1.04 to retrofit existing L-BOXX®es 136.

Code	No.	Contents	
2838362	1100-1.04	L-Boxx® 136 no. 1100L + Assortment no. 1100 CT2-1.04	6.300

PULLERS

1101-1.29/3K

Ball bearing extractor set



- > Ball bearing extractor set for more than 40 ball bearings.
- > For removing ball bearings that are both on a shaft and in a housing.
- > Non-destructive removal of deep-groove ball bearings without dismantling the shaft; no need to drill open the bearing cage (no chippings).

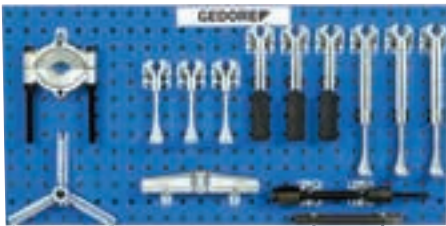
- > With Check-Tool insert.
- > Insert for use in drawers with minimum dimensions 340 x 260 x 60mm.
- > In GEDORE i-BOXX® 72 No. 1101 L.
- > Dimensions: 367 x 316 x 72mm.

*WHILE STOCKS LAST

Code	No.	Contents	For ball bearing No.	
2964392	1101-1.29/3K *	4 Heads with spindle no. 1.29/1-1.29/5 7 Heads with spindle no. 1.29/10-1.29/45 1 Handle no. 1.29/0	6000 6001 6002 6003 6004 6005 6006 6007 6008 6009 6010 6011 6012 6200 6201 6202 6203 6204 6205 6206 6207 6208 6209 6210 6211 6212 6213 6300 6301 6302 6303 6304 6305 6306 6307 6308 6309 6310 6311 6403 6404 6405 6406 6407	5.800

2.20

Truck workshop puller kit

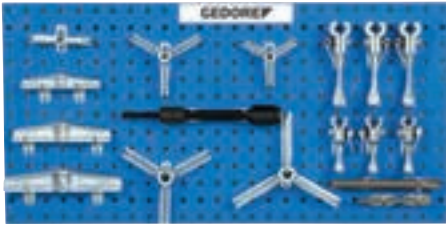


- > Clearly arranged modular system
- > Everything at hand on perforated wall-board

Code	No.	Contents	
1088718	2.20LKW	12-arm Cross Piece - 260mm 3-arm Cross Piece - 260mm 3 x Pulling Hooks - 100mm 3 x Pulling Hooks - 300mm 3 x Slim Pattern Pulling Hooks - 220mm Spindle Hydraulic Pressure Spindle Bearing Separator	23.300



2.30
Industrial puller kit



- > For the assembly of 1.06 and 1.07 pullers.
- > Clearly arranged modular system on pegboard.

Code	No.	Contents	
1393014	2.30	4 x 2-arm cross pieces 140 180 220 260mm 4 x 3-arm cross pieces 140 180 220 260mm 2 x Spindles Hydraulic Pressure Spindle 6 x Pulling Hooks	19.400

2.40
Construction machine puller kit



- > For the assembly of 1.14 and 1.15 pullers.
- > Clearly arranged modular system on pegboard.

Code	No.	Contents	
1393030	2.40	2 x 2-arm Heads 2 x 3-arm Heads 3 x Pulling Hooks - 210mm 3 x Pulling Hooks - 260mm 3 x Pulling Hooks - 390mm 2 x Spindles Hydraulic Pressure Spindle	24.300



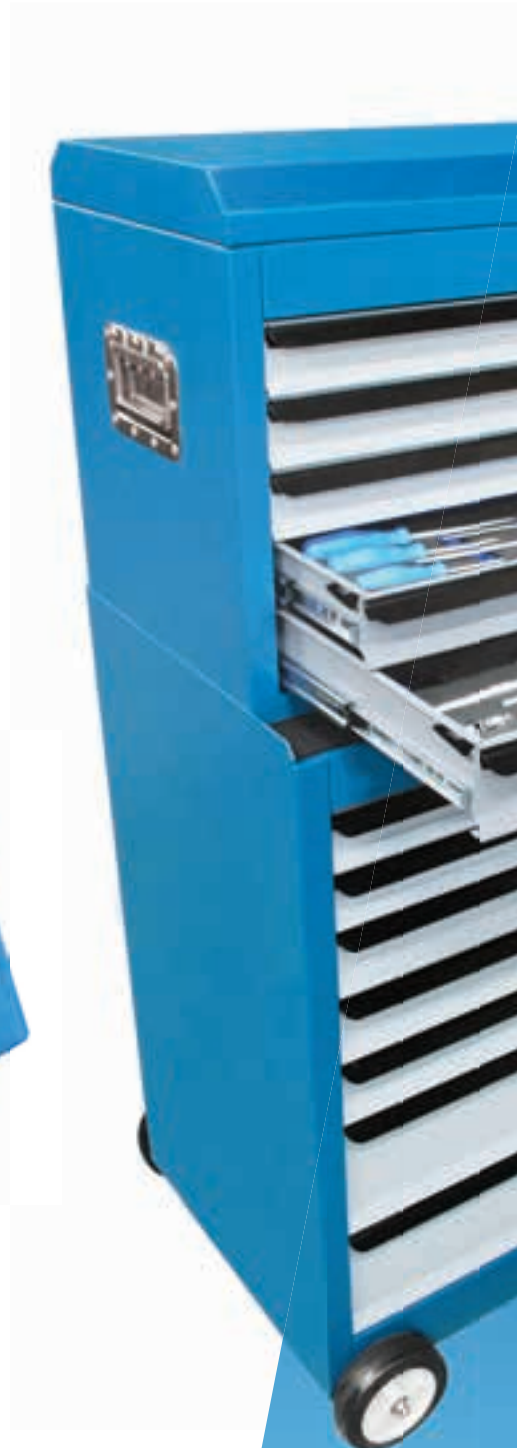
APPRENTICE / ARTISAN TOOLKITS

The key to success: perfect work results can only be reached with the perfect spanner. The name GEDORE stands for exact nominal dimensions, long service life, full torque transmission and work safety worldwide.

Why not create your perfect tool assortment to match your corporate design requests and your process specifications.

All assortments are packed in high-density foam inserts or plastic references and will fit into an appropriate compartment of the GEDORE tool chests, trolleys or toolboxes.

Minimum quantities apply.

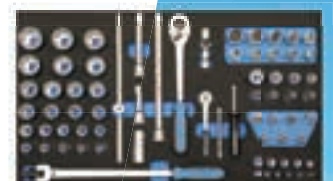


ADVANTAGES

- Easy assessment of what tools to buy
- Spend less time 'looking for tools'.
- Tidier workplace.
- Easy identification and easy access of the correct tool.
- Easily check whether the toolset is complete.
- Elimination of unnecessary tool purchases – no surplus tool accumulation.



Plastic references



High-density foam



SELECT SHEETMETAL

- Phosphated and powder coated to prevent corrosion
- Rigid, strong structure
- Ideal for the professional workshop

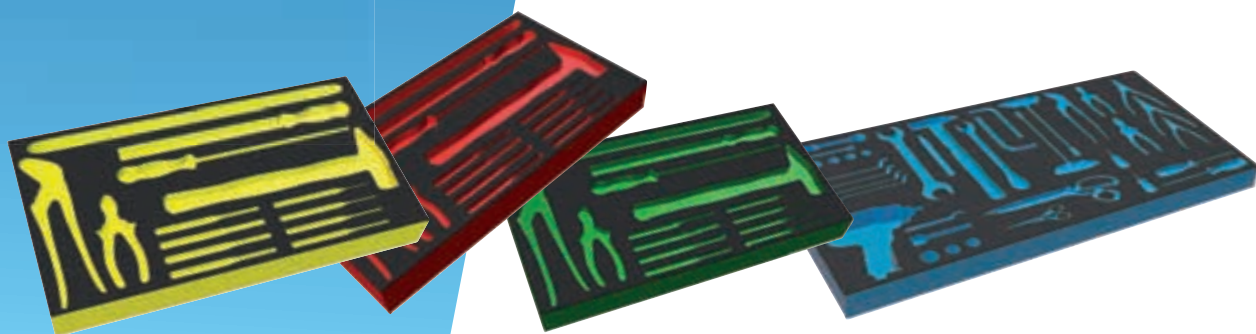


PRECISE
CUSTOMISED



CUSTOM COLOUR CHOICES

- Whether for mobile use or stationary, every tool has its place.
- Modular arrangement systems make daily routine that much easier (no more scratching for tools).
- Compact tool assortments make for easy tool selection.
- Customised equipment/tool sets in module systems and/or trolleys/benches in company design/colours.



APPRENTICE TOOLKITS


i CONSTRUCTION MACHINERY TOOLKIT

















For construction apprentices and tradesman

































	1525 Tool Trolley		8000-J2 Circip Pliers		95-125, 150, 175 Flat Chisel
	1425 Tool Chest		8250-200 JC Combination Pliers		116 Pin Punch Set
	Foam Inserts 1525-41-1B 1525-41-400 1525-41-403 1525-41-4550 1525-41-D32 1525-41-8601 1525-27-62 1525-27-PH 1525-27-PL		8132-200 JC Telephone Pliers		4550-20 Torque Wrench
	62P 150, 450mm Adjustable Wrenches		8316-200 JC Side Cutters		702-21M Feeler Gauge Set
	145-10C Universal Pliers		8531-250 Tin Snips		R93000006 Key File Set
	137-250 Grip Pliers		8601-500, 900 Ball Pein Hammers		R9455-05 Tape Measure - 5m
	8000-A2 Circip Pliers		248-ST Recoil Free Hammer		Scriber-MS/ST-190mm
			R9250 Rubber Mallet		Digital Multimeter

1/4"
3/8"
1/2"
3/4"

Code No. 
668119 Construction Machinery Toolkit 145.530

	Caliper-Vernier -150x0.02mm
	File Thread Restorer
	403 Hacksaw
	3081 L-Handle
	3090-125, 250 Extensions
	3019 Adapter
	3095 Universal Joint
	3087 Sliding T-bar
	3093-Z94 Reversible Ratchet
	1995 Universal Pliers
	1990-75,125,250 Extensions
	1985 Speed Brace
	1987 Sliding T-bar
	1997-375 Swivel Handle
	1993-U10T Reversible Ratchet
	3295 Universal Joint 3/4"
	3290-200, 400 Extensions

	3287 Sliding T-bar
	3293-U1 Reversible Ratchet
	3296 Swivel Handle
	R4510-50, 150mm Extensions
	R45200022 Sliding T-bar
	R45300005 Universal Joint
	R40000027 Reversible Ratchet
	R4100 Sockets-4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
	D30 Sockets-8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 7/16 AF, 9/16 AF, 7/8 AF
	C19 Sockets-8-5/16, 10-3/8, 11, 12, 13-1/2, 14, 15-19/32, 16-5/8, 17, 18-11/16, 19-3/4, 21-13/16, 22, 24-15/16, 26-1., 27-1.1/16, 29-1.1/8, 30-1.3/16, 32-1.1/4
	D19 Sockets-5/16 AF, 3/8 AF, 7/16 AF, 1/2 AF, 9/16 AF, 5/8 AF, 11/16 AF, 3/4 AF, 13/16 AF, 7/8 AF, 15/16 AF, 1 AF, 1.1/16 AF, 1.1/8 AF
	C32 Sockets-19-3/4, 22-7/8, 24-15/16, 26-1, 27-1.1/16, 29-1.1/8, 30-1.3/16, 32-1.1/4, 33-1.5/16, 38-1.1/2, 41-1.5/8, 46-1.13/16, 50-2
	D32 Sockets-1.3/8 AF, 1.7/16 AF, 1.11/16 AF, 1.3/4 AF, 1.7/8 AF
	R4245 Male Torx-T10, T15, T20, T25, T27, T30, T40

	IKS 20 PZ Sockets-PZ 1, PZ 2, PZ 3
	R4255 Allen Key Sockets-3, 4, 5, 6, 8, 10
	IKS 20 PH Sockets-PH 0, PH 1, PH 2, PH 3
	R4120 Female Torx-E5, E6, E7, E8, E10
	ITX19 Sockets-T20, T25, T27, T30, T40, T45, T50
	TX19 Sockets-E10, E12
	TX30 Sockets-E5, E6, E7, E8
	IN19 Sockets-5/16 AF, 3/8 AF, 1/2 AF, 9/16 AF, 5/8 AF
	1B Combination Spanners-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
	1.1/4AF, 1.5/16AF, 1.3/8AF, 1.1/2AF, 1.1/8 AF, 1.1/16 AF
	1B13A-1/4AF, 5/16AF, 3/8AF, 7/16AF, 1/2AF, 9/16AF, 5/8AF, 11/16AF, 3/4AF, 13/16AF, 7/8AF, 15/16AF, 1AF
	400 Flare Nut Spanners-17x19, 22x24, 7/16x1/2, 9/16x5/8, 5/16x3/8
	42L-9M Long Allen Keys Set-1.5, 2, 2.5, 3, 4, 5, 6, 8, 10
	42-9P Allen Keys Set-1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8"
	2150 3C Screwdriver 4 6.5 10
	2160 3C Screwdriver PH1 PH2 PH3

MECHANIC'S TOOLKIT

For diesel, forklift, motor, tractor, motorcycle, diesel fuel injection mechanic, diesel fitter apprentices and tradesmen.



1/2"

Code	No.	kg
668036	Mechanic's Toolkit	41.500

	1410 Tool Chest
	D19 Sockets- 8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 23, 24, 26, 27, 28, 30, 32
	1B Combination Spanners- 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24
	534 Swivel Head Spanners- 10, 11, 12, 13, 14, 15, 16, 17, 19
	62P 200, 300mm Adjustable Wrenches
	8601- 100, 700 Ball Pein Hammers
	248-ST Recoil Free Hammer
	42-88M- 2, 2.5, 3, 4, 5, 6, 7, 8, 9, 10 Allen Keys Set
	42-88P- 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8" Allen Keys Set
	116 Pin Punch Set
	2160 PH1 PH2
	2150 4 5.5 6.5 8 10
	8531- 250 Tin Snips
	36/1 Oil Filter Wrench
	Safety Glasses
	10pc Drill Bit Set
	Thread Restorer
	Flat File- 250

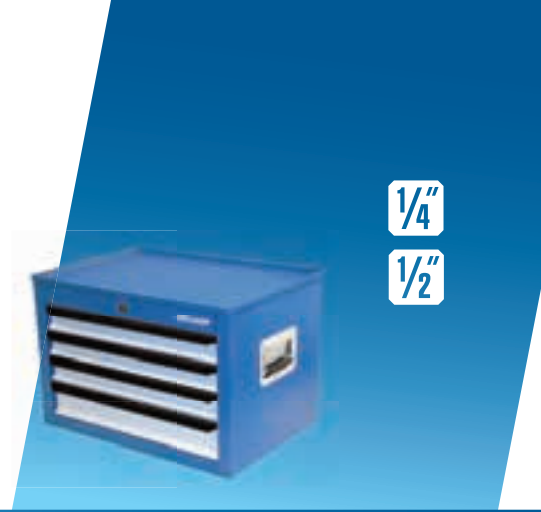
	Round File- 250
	Half-Round File- 250
	100- 16 Centre Punch
	95- 175, 200 Flat Chisel
	Stainless Steel Ruler- 300mm
	Engineer's Square- 100mm
	Engineer's Scriber 190mm
	702-21M Feeler Gauge Set
	403 Hacksaw
	8000-A2 Circlip Pliers
	8000-J2 Circlip Pliers
	8132- 200 JC Telephone Pliers
	8250- 200 JC Combination Pliers
	8316- 200 JC Side Cutters
	145- 10C Universal Pliers
	137- 250 Grip Pliers
	Oil Can- 300
	1993-Z94 Reversible Ratchet

	1985 Feeler Gauge Set
	1987 Speed Brace
	1990- 125, 250 Extensions
	1995 Universal Joint
	50- 20, 8mm Spark Plug Socket
	54- 16mm Spark Plug Socket

Optional Extras

	95- 300 Flat Chisel Code: 8699370 kg 0.560
	R94420021 Vernier Code: 3301430 kg 0.320
	R94550005- 05M Tape Measure Code: 3301428 kg 0.200
	227- 350 Pipe Wrench Code: 645346 kg 1.62
	Suction Lifter- 19mm Code: 0120130 kg 0.020
	Suction Lifter- 22mm Code: 0120120 kg 0.020
	Circuit Tester Code: 0120100 kg 0.040
	Tyre Pressure Gauge Code: 0120110 kg 0.120
	400- 5M Flare Nut Spanner Set Code: 634026 kg 0.710
	INX19 PM-5D Allen Key Socket Set Code: 617989 kg 1.32
















AUTOMOTIVE ELECTRICIAN'S TOOLKIT



1/4"

1/2"

Code	No.	
668028	Automotive Electrician's Toolkit	35.500

	1410 Tool Chest
	1B Combination Spanners -6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
	R4900 3046-46 Piece 1/4" Socket Set
	Tube Spanner Set -8x9, 10x11, 12x13, 14x15, 16x17, 18x19
	26-RS2 To be used with Tube Spanner Set
	42-88M Allen Keys Set -2, 2.5, 3, 4, 5, 6, 8, 10
	42-88P Allen Keys Set -3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"
	2160 PH1 PH2
	2150 4 5.5 6.5 8
	116 Pin Punch Set
	100 -10, 16 Centre Punches
	8601-700 Ball Pein Hammer
	267-40 Recoil Free Hammer
	Circuit Tester
	8132-160 JC Telephone Pliers

	8250-200 JC Combination Pliers
	8316-160 JC Side Cutters
	8132AB-160 TL Telephone Pliers
	145-10C Universal Pliers
	62P 200 Adjustable Wrench
	Heavy Duty Crimping Pliers
	8516-250 Tin Snips
	Wire Stripper
	Digital Multimeter
	Stainless Steel Ruler-300
	R93210000 Heavy-Duty Utility Knife
	403 Hacksaw
	Safety Glasses
	Engineer's Scriber
	Box Wrench Set-8 Piece

	Needle File Set-6 Piece
	95-300 Flat Chisel Code: 8699370 0.400
	95-200 Flat Chisel Code: 8698990 0.400
	Junior Hacksaw Code: 3012000 0.100
	134-250 Grip Pliers Code: 745995 0.570
	R94420021 Vernier Code: 3301430 0.320
	R94550005-05M Tape Measure Code: 3301428 0.200
	1985 Speed Brace Code: 614335 0.585
	50-20.8mm Spark Plug Socket Code: 636614 0.119
	54-16mm Spark Plug Socket Code: 636622 0.096
	702-21M Feeler Gauge Set Code: 6547950 0.070
	D19HMZ Socket Set Code: 614610 1.93
	10pc Drill Bit Set Code: 0120000 0.510
















Optional Extras

ELECTRICIAN'S & REFRIGERATION MECHANIC'S TOOLKIT





1/4"
1/2"

















Code	No.	
668001	Electrician's & Refrigeration Mechanic's Toolkit	38.500

	1410 Tool Chest
	1B Combination Spanners -6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
	R49003046 -46 Piece 1/4" Socket Set
	D19HMZ Socket Set
	42-88M Allen Keys Set -2, 2.5, 3, 4, 5, 6, 8, 10
	42-88P Allen Keys Set -3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"
	2160 PH1 PH2
	2150 4 5.5 6.5 8
	116 Pin Punch Set
	100-16 Centre Punches
	Flat File -250
	Round File -250
	Half-Round File -250
	8132-200 JC Telephone Pliers
	8250-200 JC Combination Pliers

	8316-200 JC Side Cutters
	8601-100, 700 Ball Pein Hammers
	248-ST Recoil Free Hammer
	145-10C Universal Pliers
	62P 200, 300 Adjustable Wrenches
	Heavy Duty Crimping Pliers
	Wire Stripper
	Digital Multimeter
	Stainless Steel Ruler -300
	R93210000 Heavy-Duty Utility Knife
	403 Hack saw
	Safety Glasses
	Engineer's Scriber
	Box Wrench Set -8 Piece
	137-250 Grip Pliers

	Circuit Tester
	95-100 Flat Chisel

Optional Extras

	95-200 Flat Chisel Code: 8698990  0.400
	Engineer's Square Code: 0110200  0.133
	R94100051 Spirit Level Code: 3301422  0.170
	227-350 Pipe Wrench Code: 645346  1.62
	R94420021 Vernier Code: 3301430  0.320
	R94550005-05M Tape Measure Code: 3301428  0.200
	8000-A2 Circlip Pliers Code: 6701540  0.167
	8000-J2 Circlip Pliers Code: 6703400  0.146














APPRENTICE TRUNK TOOLKIT







1/2"
3/8"
3/4"

> 4x Sliding trays with high-density foam inserts.

Code	No.	
668109	Apprentice Trunk Toolkit	48.630

	1460 Tool Trunk
	1B 6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 34, 36
	1B 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.3/16, 1.1/4
	8250-200 JC Combination Pliers
	8132-200 JC Telephone Pliers
	8316-200 JC Side Cutters
	8000-A2 Circlip Pliers
	8000-J2 Circlip Pliers
	137-250 Grip Pliers
	145-10C Universal Pliers
	116 Pin Punch Set
	100-16 Centre Punches
	Flat File-250

	4550-20 Torque Wrench
	403 Hacksaw
	8601-100 Ball Pein Hammers
	D32-EMZ 3/4" Socket Set
	2160 PH1 PH2
	2150 6.5 3-150 4-150 6.5-200
	42KL-9M 1,5 2 2,5 3 4 5 6 8 10
	702-21M Feeler Gauge Set
	D30 6 7 8 9 10 11 12 13 14 15 16 17 18 19 21 22
	3081 L-Handle
	3090 Extension 125mm
	3093Z-94 Ratchet
	1993Z-94 Reversible Ratchet













	D19 Sockets 8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 23, 24, 26, 27, 28, 30, 32
	1997-450 Power Bar
	1987 Sliding T-Bar
	1990 Extensions 125, 250mm

ARTISANS TOOLKITS

ELECTRICIAN'S LIGHT CURRENT TOOLKIT



Code	No.	
668110	Electrician's Light Current Toolkit	32.200










	1410 Tool Chest
	1B Combination Spanners-6, 7, 8, 9, 10, 11, 12, 13
	62P 150 Adjustable Wrench
	42-88M Allen Keys Set-2, 2.5, 3, 4, 5, 6, 7, 8, 9, 10
	60CP-250 Adjustable Wrench
	2150 6.5 3-150 4-150 6.5-200
	2160 PH1 PH2
	145-10C Universal Pliers
	Junior Hacksaw
	137-250 Grip Pliers
	8133-180 JC Telephone Pliers
	8250-200 JC Combination Pliers

	8316-160 JC Side Cutters
	Universal Panel Key
	Digital Multimeter
	Wire Stripper
	8601-500
	R94550005-05M Tape Measure
	403 Hacksaw
	R95300017 LED Torch
	R9321 Utility Knife

ELECTRICIAN'S MEDIUM CURRENT TOOLKIT



Code	No.	
668113	Electrician's Medium Current Toolkit	32.200

	1410 Tool Chest		VDE 8314-140 H Side Pliers
	1B Combination Spanners-6, 7, 8, 9, 10, 11, 12, 13		Universal Panel Key
	62P 150, 300mm Adjustable Wrenches		Digital Multimeter
	42-88M Allen Keys Set-2, 2.5, 3, 4, 5, 6, 8, 10		Wire Stripper
	Circuit Voltage Tester		8601-500 Ball Pein Hammer
	VDE 2133 Nut Drivers 6, 7, 8, 9, 10, 11, 12, 13		R94550005-05M Tape Measure
	VDE 2160 PH1 PH2		403 Hacksaw
	VDE 2170 3.5 4 5.5 6.5		R95300017 LED Torch
	145-10C Universal Pliers		VDE 4522 Cable Knife
	Junior Hacksaw		Heavy-Duty Crimping Pliers
	137-250 Grip Pliers		D19HMZ Socket Set
	VDE 8132-160 H Telephone Pliers		
	VDE 8250-200 H Combination Pliers		

































FARMER'S TOOLKIT



+






































Code	No.	
668111	Farmer's Toolkit	32.400

	1335 Tool Box		Leather Gloves		50-20.8 Spark Plug Socket
	1B Combination Spanners-6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24		Digital Multimeter		95-250 Flat Chisel
	62P 300 Adjsutable Wrench		8531-250 Tin Snips		702-20M Feeler Gauge Set
	42-88M Allen Keys Set-2, 2.5, 3, 4, 5, 6, 7, 8, 9, 10		8601-900 Ball Pein Hammer		38-500 Tyre Lever
	403 Hacksaw		R9455-05 Tape Measure		106 Chisel and Punch Set
	2150 4 5.5 6.5 8		Yale Padlock		C19TMZ Socket Set 1/2"
	2160 PH1 PH2		R95300017 LED Torch		R9321 Utility Knife
	145-10C Universal Pliers		Fencing Pliers 8260-300		227-350 Pipe Wrench
	Junior Hacksaw		Flat File-250		
	137-250 Grip Pliers		Round File-250		
	8132-200 JC Telephone Pliers		Half-Round File-250		
	8250-200 JC Combination Pliers				
	8316-200 JC Side Cutters				

GENERAL ARTISAN'S TOOLKIT



Code	No.	
668112	General Artisan's Toolkit	42.000

	1410 Tool Chest		Flat File-250		Engineer's Scriber
	1B Combination Spanners-6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24		Round File-250		Safety Glasses
	62P 300 Adjustable Wrench		Half-Round File-250		Engineer's Square
	42-88M Allen Keys Set-2, 2.5, 3, 4, 5, 6, 8, 10		8601-700 Ball Pein Hammers		116 Pin Punch Set
	8133-180 JC Triple Pliers		R9455-05 Tape Measure		R49003046-46 Piece 1/4" Socket Set
	2150 4 5.5 6.5 8		267-40 Recoil Free Hammer		Vernier
	2160 PH1 PH2		R95300017 LED Torch		95-250 Flat Chisel
	145-10C Universal Pliers		8531-250 Tin Snips		100-16 Centre Punch
	403 Hacksaw		50-20.8 Spark Plug Socket		
	137-250 Grip Pliers		C19HMZ Socket Set 1/2"		
	8132-200 JC Telephone Pliers		227-350 Pipe Wrench		
	8250-200 JC Combination Pliers		R9321 Utility Knife		
	8316-200 JC Side Cutters		Stainless Steel Ruler-300mm		

TECHNICIAN'S RUCKSACK TOOLKIT



Code No.
668120 Technician's Rucksack Toolkit


8.610

	Gedore Rucksack
	No.6 Open-Ended Spanners-6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22
	62P-200 Adjustable Wrench
	42-7M Allen Keys Set-2, 2.5, 3, 4, 5, 6, 8
	2150 6.5 3-150 4-150 6.5-200
	2160 PH1 PH2
	145-10C Universal Pliers
	Leather Gloves
	8250-200 JC Combination Pliers

	8316-200 JC Side Cutters
	R9321 Utility Knife
	SRC-C19Z-10 Socket Set 1/2"
	R95300017 LED Torch
	8601-500 Ball Pein Hammer



















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ELECTRICIAN'S TOOLSET



Code No.
668122 Electrician's Toolset


6.100

	Electrician's Toolcase		VDE 8132-200 H Telephone Pliers
	1B Combination Spanners-8, 10, 13, 17, 19		VDE 8250-200 H Combination Pliers
	42-88M Allen Keys Set-2, 2.5, 3, 4, 5, 6, 8, 10		VDE 8314-160 H Side Cutters
	Digital Multimeter		VDE 8098-160 H Stripping Pliers
	VDE 2160 PH1 PH2 PH3		8601-300 Ball Pein Hammer
	VDE 2170 4 5.5 6.5		R9455-05 Tape Measure
	145-10C Universal Pliers		R95300017 LED Torch
	137-175 Grip Pliers		VDE 4522 Cable Knife
	62P Adjustable Wrench		VDE 2133 Nut Drivers 4 6 8 10 13



OUR TORQUE WRENCH SERVICE - QUALIFIED AND CUSTOMISED

Warranty

In terms of GEDORE'S warranty policy, all torque wrenches are covered by a lifetime guarantee against defective materials and workmanship. Provided that the tool has been correctly used for its intended purpose and allowances have been made for the wear and tear of moving parts, the torque wrench will be repaired free of charge.

The warranty does not cover torque wrenches which have been misused or which have experienced wear and tear through extensive use.

A warranty return will be assessed by our technical staff and if the return falls outside of our warranty policy, the customer will be notified and quoted for the repair.

Calibration

A standard calibration and the issue of a test certificate will be provided as standard practice on any repair conducted.

A SANAS calibration and the issue of a SANAS calibration certificate will be done on request at an additional nominal charge.

Please note that the torque wrench is an item of measuring equipment.

We recommend

- > Calibration once a year (DIN EN ISO 6789:2003) or after 5000 load cycles (DIN EN ISO 6789:2003)

Your advantage

- > Torque wrench offers measurement accuracy.
- > Free calibration service at GEDORE SA.

Regular calibration, adjustment and certification. Why is this so important?

- > This allows us to guarantee the precision and reliability of our torque tools in the long term. We attach a great deal of importance to this as your safety is of the utmost importance.
- > We offer you the safety you require for everyday controlled tightening.

GEDORE - competent control at the highest level



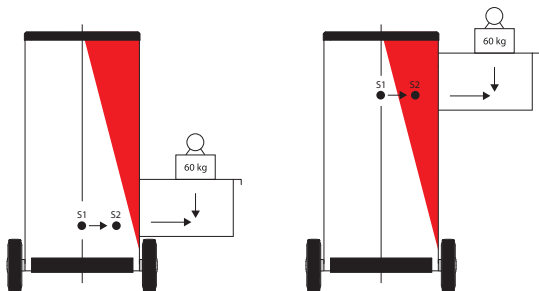
WE TAKE YOUR HEALTH AND SAFETY SERIOUSLY.

To ensure that you use our tools safely, please familiarise yourself with the following information.*

Why should heavy tools be stored in the bottom drawer?

- › Always store the heaviest tools in the bottom (heavy duty) drawer.
- › When the bottom drawer is opened, the centre of gravity is relocated to a safe range.
- › Storing heavy tools in the upper drawers relocates the centre of gravity upwards.
- › When the drawer is opened, the centre of gravity is relocated to a critical range.
- › This makes the tool trolley very susceptible to lateral forces. If the trolley is exposed to lateral forces such as impact, it can overturn.
- › Always observe the load capacity for each drawer to ensure that you always stay in the safe range.

- › S1 = tool trolley centre of gravity when the drawer is closed
- › S2 = tool trolley centre of gravity when the drawer is opened
- › Red = critical range danger of overturning



General

- › Always wear safety goggles for tasks involving chips or the possibility of parts splintering.
- › Only use the hand tools for their intended purpose.
- › Never modify or tamper with tools. Exceptions: Professional regrinding of chisels, scrapers, cutting tools as well as hammer edges.
- › Never work with damaged tools. Damaged tools must be replaced immediately.
- › Handles must be free of oil and grease.
- › Depending on the task, protect your hands by wearing work gloves.
- › Work on live circuits may only be performed by qualified personnel using suitable VDE tools.
- › Choose a safe surface to ensure stability. Wear safety shoes.
- › Wear the specified ear protection when working in noisy environments.

* Furthermore, the relevant safety guidelines of various institutions apply, e.g. the guidelines of the trade associations, employers' instructions and the statutory specifications of the respective country.



Tool trolley

- › Read the operating instructions.
- › Open only one drawer at a time, when more than one drawer is open it increases the chance of the trolley tipping over.
- › Always keep the heaviest tools in the lower (heavy) drawer. Storage in the top drawers increases the chance of the trolley tipping over.
- › Take note of the permissible load capacity of each drawer and the total carrying capacity of the trolley.
- › Never store pointed or sharp items loosely in the tool chest. Scribers can be made safe by pushing a cork on to the pointed ends.
- › Only move the trolley when all the drawers are closed and locked.
- › When the trolley is stationary always set the safety brake on the swivel castors to avoid movement.



Tool chests

- › Do not climb or step on to the tool chest.
- › Never store pointed or sharp items loosely in the tool chest. Scribers can be made safe by pushing a cork on to the pointed ends.
- › To avoid injury keep your back straight and lift from your knees when attempting to lift the tool chest.



Spanners

- › Only use spanner sizes and profiles which fit the bolt or nut head.
- › Do not use spanners as levers or as striking tools.
- › Select the spanner in accordance with the screwed connection. This applies particularly to screwed connections with high torques.
- › Never extend the tool lever arm except when the tools are designed especially for this purpose, e.g. single ended ring spanners.
- › Never hit a spanner with a hammer except when the tools have an area designed especially for this purpose, e.g. slogging spanners.
- › Always apply the spanner at a right angle to the bolt axis.
- › Always pull the spanner towards you. Never push the spanner away from you. If for any reason you can only press the spanner away from you, use your open hand to prevent injuring your knuckles.
- › Ring spanners transmit the forces more consistently. Ring spanners are therefore more suitable for large torques.
- › Apply open ended spanners in such a way that the angle of the jaw is facing in the direction of rotation.
- › If a torque is required for the screwed connection, use a torque wrench.
- › Never work with damaged spanners or attempt to repair them, rather replace them.



Screwdrivers

- › Choose the screwdriver which is suitable for the respective bolt head profile.
- › Place the workpiece on a ledge or clamp it. This helps to avoid injuries incurred by sliding blades.
- › Avoid cuts by directing the requisite pressure for releasing or tightening the bolt head away from your body.
- › Wear protective gloves when working with screwdrivers.
- › If the screwdriver is too long, do not under any circumstances shorten the blade or handle. Choose a shorter screwdriver.
- › Do not use the screwdriver as a caulking or crushing tool.
- › Light hammer impact may only be applied for loosening screws using suitable screwdrivers with striking cap or continuous blade.
- › If the bolt fails to loosen, use the GEDORE impact driver set No. K 1900-013 to release the bolt without destroying it.
- › Insulated and tested screwdrivers must be used when working on electrical systems.

VDE tools

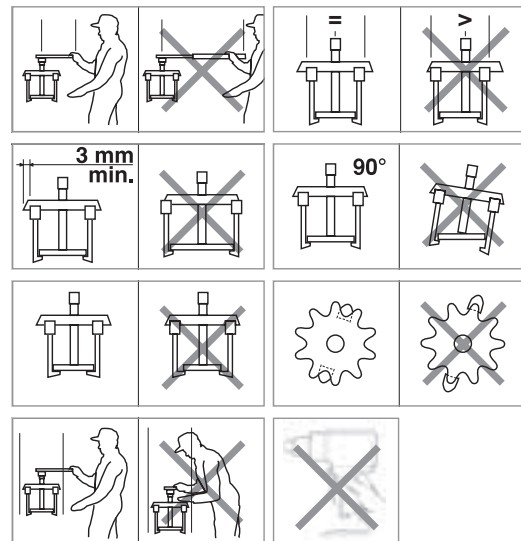
- › Work on electrically live equipment may only be carried out by trained electricians.
- › Only tools and safety equipment marked with the double triangle or bell 1000V symbol may be used.
- › Before commencing any work, check the insulation for damage.
- › Damaged tools must not be used.
- › The regulations of the employers' liability insurance associations and power supply companies must be complied with.
- › GEDORE VDE tools are approved for work on live circuits at voltages up to 1000V AC and 1500V DC.
- › Tools must not be combined unless they are designed to be securely joined together.

Ratchets, tools and sockets

- › Ratchets are suitable for quick loosening and tightening.
- › Avoid jerky movements with the ratchet, e.g. caused by hammer impact.
- › The square drive and the tool and socket square drive must be of the same size.
- › Select the drive size in accordance with the screwed connection. This applies particularly to screwed connections with high torques.
- › Ensure that the ball engages properly in the ball catch.
- › Always pull the spanner towards you. Never push the spanner away from you. If for any reason you can only press the spanner away from you, use your open hand to prevent injuring your knuckles.
- › Only use suitable sockets and connections for the impact driver. Use a safety pin and ring to secure the connection between the socket, extension and machine.
- › When using reducers, the smaller drive's torque always applies.
- › Do not use ratchets as levers or as striking tools.

Pullers

- › Read the operating instructions.
- › Use only original spare parts and accessories for your GEDORE puller. Never use worn, modified or defective spare parts or accessories.
- › Wear goggles and protective clothing when working. For added safety, use the GEDORE safety cover 5.10.
- › Before pulling, ensure that the legs are in contact with the part to be pulled and are firmly tightened so that the spindle operates centrally along the axis of the puller.
- › Attention! When using a puller, forces of up to several tons are generated. Take care to ensure that the puller is correctly positioned and is vertical to the component being pulled.
- › Do not use electric or pneumatic power or percussion drivers.



Pipe bending systems

- › Read the operating instructions.
- › Never use defective or worn pipe bending systems.
- › Replace defective or worn parts with original parts.
- › Use suitable systems and tools for bending.
- › Wear safety goggles, safety shoes and protective clothing.
- › Ensure stability of the pipe bending system during the bending process.

Cutting tools

- › Always set cutting tools down on a clearly visible place. Handles should always point towards you.
- › Sharpen your cutting tools regularly. Blunt cutting tools represent a greater risk of injury than sharp ones. Blunt cutting tools require more force to be applied.
- › Store cutting tools separately. This protects the blades and your fingers.
- › Set shears down with their tips closed. This protects the blades and your fingers.

Safety notes for striking tools

Chisels

- › Wear safety glasses and safety gloves.
- › Before starting work, check that the chisel blade is sharp and the striking end is burr-free. The blades must be properly wet-sharpened.
- › Select the appropriate type and size of chisel for the work to be carried out.
- › Hold the chisel with a firm grip.
- › When working, keep your eyes on the chisel tip.
- › Wherever possible, use a chisel with hand guard.
- › Never use chisels on workpieces harder than 40 HRC.
- › Set safety guards in place to prevent splinters and chips posing a hazard for other people.

Centre punches, drifts and mortise chisels

- › These tools are subject to the same safety rules as chisels.

Torque tools

- › Read the operating instructions.
- › Only use correctly calibrated torque wrenches.
- › Treat torque wrenches as measuring equipment. Store torque wrenches carefully.
- › Only use torque wrenches within the permissible torque range.
- › Stop tightening the bolt immediately once you feel and hear the click signal.
- › Apply the torque wrench at a right angle to the screwed connection.
- › Only use original end fittings or accessories which fit the respective torque wrench.
- › Where possible, do not use any reducers.
- › Never loosen bolts using a torque wrench.
- › Never use the torque wrench as a hammer.
- › Slacken the torque wrench after completing work.
- › Never use defective or worn accessory parts. Replace defective or worn parts with original parts.
- › Only use one hand on the handle of the torque wrench; two-handed operation is only possible using DREMOMETER A - F.



Torque multipliers

- › Read the operating instructions.
- › Wear safety goggles, safety shoes and protective clothing.
- › Always inspect the torque multiplier for damage before use.
- › Never use electric, pneumatic or battery operated torque multipliers or impact wrenches.
- › Never exceed the specified maximum input torque.
- › Always use impact sockets in accordance with DIN 3129 or ISO 2725-2 and ISO 1174.
- › Always securely connect the reaction arm to the support bolt.
- › Never extend the impact socket or connector between bolt and torque multiplier.
- › Never use a universal or cardan joint.
- › Never hit the torque multiplier with a hammer.
- › Do not drop the torque multiplier.
- › Never use the torque multiplier if it has been dropped, used to strike other objects, or if anything has fallen on it.
- › Always keep hands and fingers away from the reaction arm.
- › Always select an anchor point (wall, another bolt) sufficient to withstand torque reaction forces. Reaction torque equals output torque.
- › Never allow the gearbox to touch a wall or other object.
- › Never modify the reaction arm without consulting with the manufacturer.



Hammers

- › Always wear safety glasses and safety gloves.
- › Use the hammer only for its intended purpose.
- › Never misuse the hammer as a lever.
- › Before starting work, check that the hammer head is securely attached to the shaft.
- › Select the appropriate size hammer for the work to be carried out.
- › Never hit two hammers together.
- › Never use steel hammers on workpieces harder than 46HRC. Use suitable plastic-faced hammers for this. If in doubt, rather use a suitable plastic-faced hammer.
- › Avoid bouncing blows.
- › Use only the work faces of the hammer. Blows with the side face damage the non-hardened hammer eye. This can loosen the grip of the shaft in the hammer head.
- › If a burr forms on the peen or face of the hammer head, this must be immediately removed. Failure to do this can pose the risk of splintering when the hammer is in use.
- › Grip the hammer shaft as far away from the hammer head as possible. This improves the impact effect and avoids vibrations.
- › Do not store hammers with wooden shafts in warm, dry environments. Wood is a natural product. Dry, warm storage conditions can cause the shaft to lose moisture and shrink, so that the hammer shaft is no longer a tight fit in the hammer head.
- › Do not store the wooden shaft in too damp conditions! Too much moisture causes the wooden shaft to swell up and damages the wooden fibres. This can result in the wooden shaft snapping behind the eye area.



Safety notes

- › For engines with ignition coils integrated in the spark plug connector (coil-on-plug), use only spark plug sockets with retainer springs. (No. 50 - 59).
- › Do not use magnetic spark plug spanners on coil-on-plug spark plugs.
- › This can result in control unit faults.



Work gloves

- › Read the operating instructions.
- › Ensure that your work gloves are suitable for the respective task to be performed.
- › Examine your work gloves for damage before use. Damaged work gloves must be replaced.
- › Only work using work gloves which fit your hands perfectly.
- › Store your work gloves in a clean and dry place.



Safety goggles

- › Read the operating instructions.
- › Ensure that your safety goggles are suitable for the respective task to be performed.
- › Examine your safety goggles for damage before use. Damaged safety goggles must be replaced.
- › Store safety goggles in dry areas. Use the black plastic bag provided for this purpose. This will help you to avoid scratches on the lenses.
- › Clean the lenses regularly under running water, not when dry.
- › Do not wear safety goggles on top of standard spectacles. Mechanical effects can be transferred which may be dangerous.



Ear protection

- › Read the operating instructions.
- › Ensure that your ear protection is suitable for the respective task to be performed.
- › Examine your ear protection for damage before use. Ear protection displaying damage must be replaced.
- › Wear ear protection for the entire duration of your stay in noisy areas.
- › Store your ear protection in a clean and dry place.
- › Avoid impact against the earpieces. Otherwise, this can move the earpieces and lead to a noise level which is harmful for your ears.



Pliers

- › Wear protective goggles when working with pliers. Ejected bits of wire and circlips not positioned correctly in the tip of the pliers pose a risk to your eyes.
- › Check on the jaws for wear and tear. Worn jaws result in slipping and thus in accidents.
- › The joint of the pliers should not have any noticeable play. Exceptions are the sliding joints.
- › When cutting wire, choose pliers that match the wire diameter and wire hardness.
- › Never use pliers as hammers.
- › Only insulated and tested pliers are to be used when working on electrical equipment.
- › Grip wrenches are only for briefly fixing work pieces.

TIGHTENING / TEST TORQUE





Suggested bolt tightening torque in Nm (Newton metres)							Wrench/spanner test torques in accordance with DIN ISO 1711-1 (minimum guaranteed values) Nm							
M	Tightening values for quality grade as per DIN 267						mm	No. 2, 2A, 2B No. 1B, 308, 7	No. 4	No. 6, No. 1B, 7, 400	No. 25	No. 26 R No. 626	No. 35 A No. 35 B No. 3112	No. 894 No. 895
	4.6	5.6	6.9	8.8	10.9	12.9								
M 2	0,123	0,162	0,314	0,373	0,520	0,628	4			1,90				
M 2,2	0,196	0,265	0,510	0,598	0,843	1,010	4,5*			2,64				
M 2,5	0,284	0,373	0,726	0,863	1,206	1,451	5	11,5		3,55				
M 3	0,441	0,588	1,128	1,344	1,883	2,256	5,5	14,4		4,64		14,4		2,32
M 3,5	0,677	0,902	1,736	2,060	2,893	3,481	6*	17,6	7,4	5,92		17,6		2,96
M 4	1,000	1,344	2,599	3,040	4,315	5,148	7	25,2	11,4	9,12		25,2		4,56
M 5	1,916	2,648	5,099	6,031	8,483	10,200	8 9*	34,5 45,4	16,6 23	13,3 18,4		34,5 45,4	34,5 45,4	6,65 9,20
M 6	3,432	4,511	8,728	10,300	14,710	17,652	10	58,1	31	24,8	58,1	58,1	58,1	12,4
M 7	5,590	7,453	14,220	17,162	24,517	28,439	11 12*	72,7 89,1	40,4 51,5	32,3 41,2	72,7 89,1	72,7 89,1	72,7 89,1	16,1 20,6
M 8	8,238	10,787	21,575	25,497	35,304	42,168	13 14*	107 128	64,5 79,4	51,6 63,5	107 128	107 128	107 128	25,8 31,7
M 10	16,67	21,575	42,168	50,014	70,608	85,317	15 16 17*	150 175 201	96,2 115 134	77,0 92,3 107	150 175 201	150 175 201	150 175 201	38,5 46,1 53,5
M 12	28,44	38,246	73,550	87,279	122,60	147,10	18 19* 20*	230 261 294	160 186 215	128 149 172	230 261 294	230 261 294	230 261 294	64,0 74,5 86,0
M 14	45,11	60,801	116,70	138,30	194,20	235,40	21 22* 23*	330 368 408	247 281 319	198 225 255	330 368 408	330 368 408	330 368 408	99,0 112 127
M 16	69,63	93,163	178,5	210,80	299,10	357,90	24 25* 26*	451 496 544	359 402 449	287 322 359	451 496 544	451 496 544	451 496 544	143 161 179
M 18	95,12	127,50	245,20	289,3	411,90	490,30	27 28*	594 647	499 552	399 442	594 647	594 647	594 647	199 221
M 20	135,3	180,45	384,10	411,90	578,60	696,30	30	760	670	536	760	760	760	268
M 22	182,4	245,16	470,70	559,00	784,50	941,40	32* 34	884 1019	804 951	643 761	884 1019	884 1019	884 1019	321 381
M 24	230,5	308,91	598,20	711,00	1000	1196	36	1165	1117	894	1165	1165	1165	447
M 27	343,2	460,90	887,50	1049	1481	1775	41	1579	1442	1154	1579	1579	1579	577
M 30	465,8	622,72	1206	1422	2010	2403	46	2067	1816	1453	2067	2067	2067	726
M 33	632,5	848,30	1628	1932	2716	3266	50	2512	2145	1716	2512	2512	2512	858
M 36	814,0	1089	2099	2481	3491	4197	55	3140		2077	3140	3140	3140	1038
M 39	1059	1412	2716	3226	4531	5443	60	3849		2471	3849		3849	1235
M 42	1304	1746	3364	3991	5609	6727	65	4021		2900	4021		4021	1422
M 45	1638	2177	4207	4992	7012	8414	70	4658		3364	4658		4658	1618
M 48	1981	2638	5080	6021	8473	10150	75	5394		3862			5394	1765
M 52	2540	3393	6541	7747	10885	13092	80	6178		4394			6178	1912
M 56	3168	4227	8149	9650	13582	16279	85	6963					6963	2059
M 60	3932	5247	10101	11964	16867	20202	90	7845					7845	-
M 64	4737	6306	12160	14416	20300	24320	95	8336					8336	-

* These sizes are not included in DIN ISO 272

Note: In reference to the spanner test torque as per DIN ISO 1711-1 column, we explicitly point out that these are minimum guarantee values.

Bolts from M39 in quality grades 4.6, 5.6, 6.9, 8.8, 10.9 and 12.9 are not standardised.

TIGHTENING / TEST TORQUE

Wrench/spanner test torques in accordance with DIN ISO 1711-1 (minimum guaranteed values) Nm						Test torques for tightening tools for hexagon socket head screws								
M	mm	With internal square as per DIN 3120					DIN EN ISO 4762	No. 42T, DT42 No. 42, 42EL	No. IN 34	With hexagon head as per DIN 7422				
		6,3	10	12,5	20	25				6,3	10	12,5	20	25
		No. 20 No. D 20	No. 30 No. D 30	No. 19 No. D 19	No. 32 No. D 32	No. D 21				No. IN 20	No. IN30	No. IN 19	No. IN 32	No. IN 21
														
		1/4"	3/8"	1/2"	3/4"	1"			1/4"	3/8"	1/2"	3/4"	1"	
M 2	4	10,4					1,5	0,82						
M 2,2	4,5*	12,6					2	1,9	1,9					
M 2,5	5	15,1												
M 3	5,5	17,8					2,5	3,8	3,8					
M 3,5	6*	20,6	23,2											
M 4	7	26,8	33,2				3	6,6	6,6	6,6				
M 5	8 9*	33,6 41,1	45,5 59,9	94,1 119,2			4	16	16	16	16	16		
M 6	10	49,1	76,7	147			5	30	30	30	30	30		
M 7	11 12*	57,8 67,0	96 118	178 212										
M 8	13 14*	68,6 68,6	141 169	249 288			6 7	52 80	52	52 78	52 78			
M 10	15 16 17*		198 225 225	331 377 425			8 9	120 165	120	120	120	120		
M 12	18 19* 20*		225 225 225	477 531 569			10 12	220 370	220	220	220	370		
M 14	21 22* 23*		225 225	569 569 569	569 569									
M 16	24 25* 26*			569 569 569	569 583 624		14	590	590		590	590		
M 18	27 28*			569 569	665 707									
M 20	30			569	795		17	980	980		1000	1000	1000	
M 22	32* 34			569 569	888 984									
M 24	36				1084	1677	19	1360	1360		1400	1400	1400	
M 27	41				1353	1910								
M 30	46				1569	2143	22	2110			2100	2100		
M 33	50				1569	2329	24	2750				2700		
M 36	55				1569	2562	27	3910						
M 39	60				1569	2795	30	4000						
M 42	65					2795	32	4000						
M 45	70					2795								
M 48	75					2795	36	4000						
M 52	80					2795								
M 56	85													
M 60	90													
M 64	95													


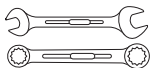

The matching test torques are derived from the theoretical load capability of the connecting square drive.

Note: Hand tightening sockets are unsuited to use with impact drivers. Inappropriate use poses an accident risk.

HEAD WIDTHS AND THREAD DIAMETERS

Nominal size DIN ISO 272 normal (large) mm	Thread diameter Ø		Nominal size	Nominal size		Thread diameter Ø		Nominal size	
	Metric as per DIN ISO 272	Metric for high-tensile bolted structural joints as per EN 14399-4	mm	Inch	mm	mm	BS 916, 1083	Inch	mm
3,2 (-) 4 (-)	1,6 2								
5 (-) 5,5 (-)	2,5 3		5/32 3/16	0,1562 0,1875	3,97 4,76	8 BA 7 BA 6 BA		0,152 0,172 0,193	3,86 4,37 4,90
7 (-) 8 (-)	4 5		7/32 1/4	0,2187 0,2500	5,56 6,35	5 BA 4 BA 1/16 W		0,220 0,248 0,256	5,59 6,30 6,90
10 (-) 11 (-)	6 7		9/32 5/16	0,2812 0,3125	7,14 7,94	3 BA 3/32 W 2 BA		0,282 0,297 0,324	7,16 7,54 8,23
13 (-) 16 (-)	8 10		11/32 3/8 13/32	0,3438 0,3750 0,4062	8,73 9,52 10,32	1/8 W 1 BA 0 BA	(3/16) (7/32)	0,340 0,365 0,413	8,64 9,27 10,49
18 (21) 21 (24) 22	12 14		7/16 1/2	0,4375 0,5000	11,11 12,70	3/16 W 1/4 W	1/4 5/16	0,445 0,525	11,30 13,34
24 (27) 27 (30)	16 18	16	9/16 19/32 5/8	0,5625 0,5938 0,6250	14,29 15,08 15,88	5/16 W	3/8	0,600	15,24
30 (34) 32 34 (36)	20 22	20	11/16 3/4	0,6875 0,7500	17,46 19,05	3/8 W	7/16	0,710	18,03
36 (41) 41 (46)	24 27	22 24	25/32 13/16 7/8	0,7812 0,8125 0,8750	19,84 20,64 22,22	7/16 W	1/2	0,820	20,83
46 (50) 50 (55)	30 33	27 30	15/16 1.	0,9375 1,0000	23,81 25,40	1/2 W	9/16	0,920	23,37
55 (60) 60 (65)	36 39	36	1.1/16	1,0625	26,99	9/16 W 5/8 W	5/8 (11/16)	1,010 1,100	25,65 27,94
65 70	42 45		1.1/8 1.3/16 1.1/4	1,1250 1,1875 1,2500	28,58 30,16 31,75	11/16 W	3/4	1,200	30,48
75 80	48 52		1.5/16 1.3/8 1.7/16	1,3125 1,3750 1,4375	33,34 34,92 36,51	3/4 W 13/16 W	7/8 (15/16)	1,300 1,390	33,02 35,31
85 90	56 60		1.1/2 1.5/8 1.11/16	1,5000 1,6250 1,6875	38,10 41,28 42,86	7/8 W 1. W	1. 1.1/8	1,480 1,670	37,59 42,42
95 100	64 68		1.3/4 1.13/16 1.7/8	1,7500 1,8125 1,8750	44,45 46,04 47,62	1.1/8 W	1.1/4	1,860	47,24
105 110	72 76		2. 2.1/16 2.3/16	2,0000 2,0625 2,1875	50,80 52,39 55,56	1.1/4 W	1.3/8	2,050	52,07
115 120	80 85		2.1/4 2.3/8 2.7/16	2,2500 2,3750 2,4375	57,15 60,32 61,91	1.3/8 W 1.1/2 W	1.1/2 1.5/8	2,220 2,410	56,39 61,21
130	90		2.9/16 2.5/8 2.3/4	2,5625 2,3750 2,7500	65,09 66,68 69,85	1.5/8 W 1.3/4 W	1.3/4 2.	2,580 2,760	65,53 70,10
135	95		2.13/16 2.15/16 3	2,8125 2,9375 3,0000	71,44 74,61 76,20	(1.7/8W)			76,70
145	100		3.1/8 3.3/8 3.1/2	3,1250 3,3750 3,5000	79,38 85,72 88,90		2.1/4 2.1/2	3,150 3,550	80,01 90,17
150	105		3.3/4 3.7/8	3,7500 3,8750	95,25 98,42		2.3/4	3,890	98,81
155	110		4.1/8 4.1/4 4.1/2	4,1250 4,2500 4,5000	104,78 107,95 114,30		3. 3.1/4	4,180 4,530	106,17 115,06
165	115		4.5/8 4.7/8 5.	4,6250 4,8750 5,0000	117,48 123,82 127,00		3.1/2	4,850	123,19
170	120		5.1/4 5.3/8 5.5/8	5,2500 5,3750 5,6250	133,35 136,52 142,88		3.3/4 4.	5,180 5,550	131,57 140,97
180	125		5.3/4 6. 6.1/8	5,7500 6,0000 6,1250	146,05 152,40 155,58		4.1/2	6,380	162,05
185	130								
200	140								
210	150								

SPANNER SIZES TOLERANCE FOR BOLTS AND SOCKET WRENCHES

Nominal size/s in mm 	Tolerance class 1 as per ISO 691 dimensions 		Tolerance class 2 ^a as per ISO 691 dimensions 	
	min.	max.	min.	max.
2 ≤ s < 3	+ 0,02	+ 0,08	+ 0,02	+ 0,12
3 ≤ s < 4	+ 0,02	+ 0,10	+ 0,02	+ 0,14
4 ≤ s < 6	+ 0,02	+ 0,12	+ 0,02	+ 0,16
3 ≤ s < 10	+ 0,03	+ 0,15	+ 0,03	+ 0,19
10 ≤ s < 12	+ 0,04	+ 0,19	+ 0,04	+ 0,24
12 ≤ s < 14	+ 0,04	+ 0,24	+ 0,04	+ 0,30
14 ≤ s < 17	+ 0,05	+ 0,27	+ 0,05	+ 0,35
17 ≤ s < 19	+ 0,05	+ 0,30	+ 0,05	+ 0,40
19 ≤ s < 26	+ 0,06	+ 0,36	+ 0,06	+ 0,46
26 ≤ s < 33	+ 0,08	+ 0,48	+ 0,08	+ 0,58
33 ≤ s < 55	+ 0,10	+ 0,60	+ 0,10	+ 0,70
55 ≤ s < 75	+ 0,12	+ 0,72	+ 0,12	+ 0,92
75 ≤ s < 105	+ 0,15	+ 0,85	+ 0,15	+ 1,15
105 ≤ s < 150	+ 0,20	+ 1,00	+ 0,20	+ 1,40
150 ≤ s < 210	+ 0,25	+ 1,22	-	-

This tolerance class applies only to ring spanners or socket wrenches that have not been manufactured by material removal.

Spanner sizes in accordance with this international standard must be marked with:

- Spanner head size.
- Reference to the international standard, i.e. ISO 691.
- Nominal sizes in millimetres.
- Tolerance class 1 or 2.

Conversion tables Inch to decimal-inches and mm

in.	dec.in.	mm.	in.	dec.in.	mm.
0	0	0	1/2	0.5	12,7000
1/64	0.015625	0,3969	33/64	0.515625	13,0969
1/32	0.03125	0,7938	17/32	0.53125	13,4938
3/64	0.046875	1,1906	35/64	0.546875	13,8906
1/16	0.0625	1,5875	9/16	0.5625	14,2875
5/64	0.078125	1,9844	37/64	0.578125	14,6844
3/32	0.09375	2,3812	19/32	0.59375	15,0812
7/64	0.109375	2,7781	39/64	0.609375	15,4781
1/8	0.125	3,1750	5/8	0.625	15,8750
9/64	0.140625	3,5719	41/64	0.640625	16,2719
5/32	0.15625	3,9688	21/32	0.65625	16,6688
11/64	0.171875	4,3656	43/64	0.671875	17,0656
3/16	0.1875	4,7625	11/16	0.6875	17,4625
13/64	0.203125	5,1594	45/64	0.703125	17,8594
7/32	0.21875	5,5562	23/32	0.71875	18,2562
15/64	0.234375	5,9531	47/64	0.734375	18,6531
1/4	0.25	6,3500	3/4	0.75	19,0500
17/64	0.265625	6,7469	49/64	0.765625	19,4469
9/32	0.28125	7,1438	25/32	0.78125	19,8438
19/64	0.296875	7,5406	51/64	0.796875	20,2406
5/16	0.3125	7,9375	13/16	0.8125	20,6375
21/64	0.328125	8,3344	53/64	0.828125	21,0344
11/32	0.34375	8,7312	27/32	0.84375	21,4312
23/64	0.359375	9,1281	55/64	0.859375	21,8281
3/8	0.375	9,5250	7/8	0.875	22,2250
25/64	0.390625	9,9219	57/64	0.890625	22,6219
13/32	0.40625	10,3188	29/32	0.90625	23,0188
27/64	0.421875	10,7156	59/64	0.921875	23,4156
7/16	0.4375	11,1125	15/16	0.9375	23,8125
29/64	0.453125	11,5094	61/64	0.953125	24,2094
15/32	0.46875	11,9062	31/32	0.96875	24,6062
31/64	0.484375	12,3031	63/64	0.984375	25,0031
			1	1	25,4000

TORQUE CONVERSION TABLES

Required Units	Torque conversion factors								Corresponding unit
	= mNm	= cNm	= Nm	= ozf-in	= lbf-in	= lbf-ft	= gf-cm	= f-cm (kp-cm)	
1 mN·m	1	0,1	0,001	0,142	0,009	0,0007	10,2	0,01	0,0001
1 cN·m	10	1	0,01	1,416	0,088	0,007	102	0,102	0,001
1 N·m	1000	100	1	141,6	8,851	0,738	10197	10,2	0,102
1 ozf-in	7,062	0,706	0,007	1	0,0625	0,005	72	0,072	0,0007
1 lbf-in	113	11,3	0,113	16	1	0,083	1152,1	1,152	0,0115
1 lbf-ft	1356	135,6	1,356	192	12	1	13826	13,83	0,138
1 gf-cm	0,098	0,01	0,0001	0,014	0,0009	0,00007	1	0,001	0,00001
1 kgf-cm (kp-cm)	98,07	9,807	0,098	13,89	0,868	0,072	1000	1	0,01
1 kgf-m (kp-m)	9807	980,7	9,807	1389	86,8	7,233	100000	100	1

Application

Conversion formula:
Units to be converted x factor = corresponding unit

Example:
Conversion of 5lbf-ft in cNm

Solution:
5 x 135,6 = 678cNm

N-m	0	1	2	3	4	5	6	7	8	9
0	0,00	0,10	0,20	0,31	0,41	0,51	0,61	0,71	0,82	0,92
10	1,02	1,12	1,22	1,33	1,43	1,53	1,63	1,73	1,84	1,94
20	2,04	2,14	2,24	2,35	2,45	2,55	2,65	2,75	2,86	2,96
30	3,06	3,16	3,26	3,37	3,47	3,57	3,67	3,77	3,87	3,98
40	4,08	4,18	4,28	4,38	4,49	4,59	4,69	4,79	4,89	5,00
50	5,10	5,20	5,30	5,40	5,51	5,61	5,71	5,81	5,91	6,02
60	6,12	6,22	6,32	6,42	6,53	6,63	6,73	6,83	6,93	7,04
70	7,14	7,24	7,34	7,44	7,55	7,65	7,75	7,85	7,95	8,06
80	8,16	8,26	8,36	8,46	8,57	8,67	8,77	8,87	8,97	9,08
90	9,18	9,28	9,38	9,48	9,59	9,69	9,79	9,89	9,99	10,10
100	10,20	10,30	10,40	10,50	10,60	10,71	10,81	10,91	11,01	11,11

kgf-m(kp-m)	0	1	2	3	4	5	6	7	8	9
0	0,00	9,81	19,61	29,42	39,23	49,03	58,84	68,65	78,45	88,26
10	98,07	107,87	117,68	127,49	137,29	147,10	156,91	166,71	176,52	186,33
20	196,13	205,94	215,75	225,55	235,36	245,17	254,97	264,78	274,59	284,39
30	294,20	304,01	313,81	323,62	333,43	343,23	353,04	362,85	372,65	382,46
40	392,27	402,07	411,88	421,69	431,49	441,30	451,11	460,91	470,72	480,53
50	490,33	500,14	509,95	519,75	529,56	539,37	549,17	558,98	568,79	578,59
60	588,40	598,21	608,01	617,82	627,63	637,43	647,24	657,05	666,85	676,66
70	686,47	696,27	706,08	715,89	725,69	735,50	745,31	755,11	764,92	774,73
80	784,53	794,34	804,15	813,95	823,76	833,57	843,37	853,18	862,99	872,79
90	882,60	892,41	902,21	912,02	921,83	931,63	941,44	951,25	961,05	970,86
100	980,67	990,47	1000,28	1010,08	1019,89	1029,70	1039,50	1049,31	1059,12	1068,92

N-m	0	1	2	3	4	5	6	7	8	9
0	0,00	0,74	1,48	2,21	2,95	3,69	4,43	5,16	5,90	6,64
10	7,38	8,11	8,85	9,59	10,33	11,06	11,80	12,54	13,28	14,01
20	14,75	15,49	16,23	16,96	17,70	18,44	19,18	19,91	20,65	21,39
30	22,13	22,86	23,60	24,34	25,08	25,81	26,55	27,29	28,03	28,76
40	29,50	30,24	30,98	31,72	32,45	33,19	33,93	34,67	35,40	36,14
50	36,88	37,62	38,35	39,09	39,83	40,57	41,30	42,04	42,78	43,52
60	44,25	44,99	45,73	46,47	47,20	47,94	48,68	49,42	50,15	50,89
70	51,63	52,37	53,10	53,84	54,58	55,32	56,05	56,79	57,53	58,27
80	59,00	59,74	60,48	61,22	61,96	62,69	63,43	64,17	64,91	65,64
90	66,38	67,12	67,86	68,59	69,33	70,07	70,81	71,54	72,28	73,02
100	73,76	74,49	75,23	75,97	76,71	77,44	78,18	78,92	79,66	80,39

lbf-ft	0	1	2	3	4	5	6	7	8	9
0	0,00	1,36	2,71	4,07	5,42	6,78	8,13	9,49	10,85	12,20
10	13,56	14,91	16,27	17,63	18,98	20,34	21,69	23,05	24,40	25,76
20	27,12	28,47	29,83	31,18	32,54	33,90	35,25	36,61	37,96	39,32
30	40,67	42,03	43,39	44,74	46,10	47,45	48,81	50,16	51,52	52,88
40	54,23	55,59	56,94	58,30	59,66	61,01	62,37	63,72	65,08	66,43
50	67,79	69,15	70,50	71,86	73,21	74,57	75,93	77,28	78,64	79,99
60	81,35	82,70	84,06	85,42	86,77	88,13	89,48	90,84	92,20	93,55
70	94,91	96,26	97,62	98,97	100,33	101,69	103,04	104,40	105,75	107,11
80	108,46	109,82	111,18	112,53	113,89	115,24	116,60	117,96	119,31	120,67
90	122,02	123,38	124,73	126,09	127,45	128,80	130,16	131,51	132,87	134,23
100	135,58	136,94	138,29	139,65	141,00	142,36	143,72	145,07	146,43	147,78

N-m	0	1	2	3	4	5	6	7	8	9
0	0,00	8,85	17,70	26,55	35,40	44,25	53,10	61,96	70,81	79,66
10	88,51	97,36	106,21	115,06	123,91	132,76	141,61	150,46	159,31	168,16
20	177,02	185,87	194,72	203,57	212,42	221,27	230,12	238,97	247,82	256,67
30	265,52	274,37	283,22	292,08	300,93	309,78	318,63	327,48	336,33	345,18
40	354,03	362,88	371,73	380,58	389,43	398,28	407,14	415,99	424,84	433,69
50	442,54	451,39	460,24	469,09	477,94	486,79	495,64	504,49	513,34	522,20
60	531,05	539,90	548,75	557,60	566,45	575,30	584,15	593,00	601,85	610,70
70	619,55	628,40	637,26	646,11	654,96	663,81	672,66	681,51	690,36	699,21
80	708,06	716,91	725,76	734,61	743,46	752,32	761,17	770,02	778,87	787,72
90	796,57	805,42	814,27	823,12	831,97	840,82	849,67	858,52	867,38	876,23
100	885,08	893,93	902,78	911,63	920,48	929,33	938,18	947,03	955,88	964,73

lbf-in	0	1	2	3	4	5	6	7	8	9
0	0,00	0,11	0,23	0,34	0,45	0,56	0,68	0,79	0,90	1,02
10	1,13	1,24	1,36	1,47	1,58	1,69	1,81	1,92	2,03	2,15
20	2,26	2,37	2,49	2,60	2,71	2,82	2,94	3,05	3,16	3,28
30	3,39	3,50	3,62	3,73	3,84	3,95	4,07	4,18	4,29	4,41
40	4,52	4,63	4,75	4,86	4,97	5,08	5,20	5,31	5,42	5,54
50	5,65	5,76	5,87	5,99	6,10	6,21	6,33	6,44	6,55	6,67
60	6,78	6,89	7,00	7,12	7,23	7,34	7,46	7,57	7,68	7,80
70	7,91	8,02	8,13	8,25	8,36	8,47	8,59	8,70	8,81	8,93
80	9,04	9,15	9,26	9,38	9,49	9,60	9,72	9,83	9,94	10,06
90	10,17	10,28	10,39	10,51	10,62	10,73	10,85	10,96	11,07	11,19
100	11,30	11,41	11,52	11,64	11,75	11,86	11,98	12,09	12,20	12,31

Important prefix characters

Giga	G	1.000.000.000	= 10 ⁹
Mega	M	1.000.000	= 10 ⁶
Kilo	k	1.000	= 10 ³
Hecto	H	100	= 10 ²
Deca	Da	10	= 10 ¹
Deci	d	0,1	= 10 ⁻¹
Centi	c	0,01	= 10 ⁻²
Milli	m	0,001	= 10 ⁻³
Micro	μ	0,000001	= 10 ⁻⁶
Nano	n	0,000000001	= 10 ⁻⁹

Important SI units with conversions to old but still commonly used units

Length	metre	m		
Masa	kilogramme			
Time	second	s		
Force	newton	N	= m/s ²	1 N = 0,102 kp
Torque	newton metre	Nm		9,81 N·m = 1 kp·m
Energy (work)	joule	J	= Nm	
Heat quantity	joule	J		1 J = 0,239 cal
Power	watt	W	= Nm/s	1 kW = 1,36 PS = 860 kcal/h
Pressure	pascal	Pa	= N/m ²	100 000 Pa = 1 bar = 10 mWS
Electrical current	ampere	A		
Temperature	kelvin	K		1 K = 1 °C

Conversion table, mass and weight

1 megagramme (Mg)	= 1.000 kg	= 10.000 hg	= 100.000 dag	= 1.000.000 g
1 ton (to.)	= 1.000 kg			
1 kilogramme (kg)		= 10 hg	= 100 dag	= 1000 g
1 hectogramme (hg)			= 10 dag	= 100 g
1 decagramme (dag)				= 10 g
1 gramme (g)	= 10 dg	= 100 cg	= 1000 mg	
1 decigramme (dg)		= 10 cg	= 100 mg	
1 centigramme (cg)			= 10 mg	
1 miligramme (mg)			= 1 mg	

Conversion table, force and torque

1 newton	= 0,102 kp
1 kilopond	= 9,81 N
1 kilopond metre	= 9,81 Nm

Material properties

	Density g/cm ³	Expansion 1/°C	Melting point °C	Modulus of elasticity N/mm
Aluminium	2,7	0,000024	660,1	72 000
Lead	11,3	0,000029	327,3	16 000
Iron (Steel)	7,86	0,000012	1540	210 000
Gold	19,3	0,000014	1063	79 000
Copper	8,9	0,000017	1083	126 000
Zinc	7,1	0,000026	419	94 000
Glass	2,2–2,9	0,000008	800–1500	68 000
Air	0,0013	0,0036		
Wood	0,5–0,7			10 000
Plastics/synthetic materials:				
PS,	1,05	0,00008		3 400
PP,	0,9	0,00018		1 200
ABS	1,05	0,00010		2 500

Examples

Example 1:

Expansion of a steel body of 100mm in length at a temperature of 10°C. Lengthy expansion coefficient α °C exp. = 100mm x 0,000012 x 10 = 0,012mm = 12μm

Example 2:

Elastic expansion $e = s/E$. A body of 100mm in length made of ABS is stretched with $s = 50N/mm^2$. $e = 50N/mm^2 : 2500N/mm^2 = 0.02$. The expansion is: 10 mm x 0.02 = 2mm.

Example 3:

Two steel plates with a total thickness of 20mm are pre-stressed by means of a screw connection of $s = 50N/mm^2$; $e = 50 : 210000 = 0.00024$. The compression in the surrounding area of the screw is 2 mm x 0.00024 = 0,0048mm = 5μm.

The elastic compression induces a continuous pre-tension of the screw connection.

A properly tensed screw connection is selfinhibiting.

Comparison table of Vickers-Brinell-Rockwell hardness and tensile strength

Vickers hardness HV30	Brinell hardness HB 30	Rockwell hardness HRB	Rockwell hardness HRC	Tensile strength sB N/mm ²
80	80,7	36,4	–	270
85	85	42,4	–	290
90	90	47,4	–	310
95	95	52,0	–	320
100	100	56,4	–	340
105	105	60,0	–	360
110	110	63,4	–	380
115	115	66,4	–	390
120	120	69,4	–	410
125	125	72,0	–	420
130	130	74,4	–	440
135	135	76,4	–	460
140	140	78,4	–	470
145	145	80,4	–	490
150	150	82,2	–	500
155	155	83,8	–	520
160	160	85,4	–	540
165	165	86,8	–	550
170	170	88,2	–	570
175	175	89,6	–	590
180	180	90,8	–	600
185	185	91,8	–	620
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DISCLAIMER

As we are constantly improving our products, we reserve the right to make changes as the need arises.

The actual products delivered may therefore vary from those depicted in the catalogue.

We do not provide any warranties in connection with technical and safety information provided in this catalogue. All customers are therefore advised to refer directly to their manufacturer's specifications and the advice and standards of the relevant professional/trade associations.

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“Our guarantee covers all tools against breakage under normal working conditions and is subject to fair wear and tear.”



GEDORE TOOLS SA WARRANTY POLICY

At GEDORE we take pride in the quality of our products and services and we review all warranty claims with the aim of using the information gained for further product improvement.

Every GEDORE tool is covered by a lifetime guarantee against defective material and workmanship. Provided that the tool has been used correctly for its intended purpose and allowances have been made for wear and tear, this guarantee will allow for the repair or exchange of the tool.

While some deterioration through extensive use might be unavoidable, we will adopt a generous approach when viewing warranty claims. We do, however, set warranty limitations on wear and tear, obvious misuse, missing parts and purposely altered tools to protect ourselves against unreasonable claims.

Should the product fall outside the parameters of the warranty criteria, we will advise the customer on the repair or replacement cost of the article.

TORQUE WRENCH WARRANTY & CALIBRATION POLICY

Warranty

In terms of GEDORE'S warranty policy, all torque wrenches are covered by a lifetime guarantee against defective materials and workmanship. Provided that the tool has been correctly used for its intended purpose and allowances have been made for the wear and tear of moving parts, the torque wrench will be repaired free of charge.

The warranty does not cover torque wrenches which have been misused or which have experienced wear and tear through extensive use.

A warranty return will be assessed by our technical staff and if the return falls outside of our warranty policy, the customer will be notified and quoted for the repair.

Calibration

A standard calibration and the issue of a test certificate will be provided as standard practice on any repair conducted.

A SANAS calibration and the issue of a SANAS calibration certificate will be done on request at a nominal charge.

Obsolescence

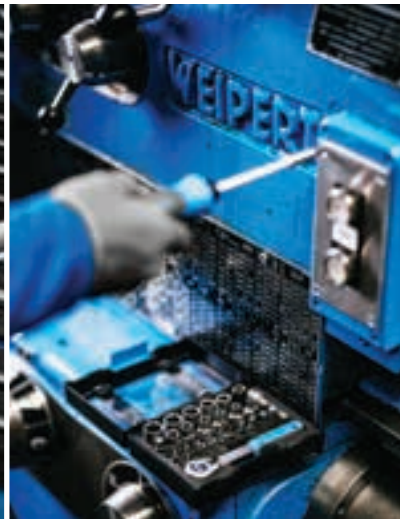
Please note that while GEDORE uses its best endeavours to carry significant stocks of spares to support its torque wrench product range, some spares for older discontinued items are no longer available. In such cases, repair of the torque wrench may not be possible.



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