
Made in Germany
20-120 N·m
15-90 lbf·ft
Ø41.5
Ø D +0.5
SW
lbf·ft
15-90

++ SECURE PRECISION JOINTS +

TORQUE TOOLS

GEDORE TORQUE TOOLS...
TIGHTENING, MEASURING, TESTING!

+ MAXIMUM PRODUCTION DEPTH FROM A SINGLE SOURCE

- Use of the very best steel grades, state-of-the-art machinery and environmentally-friendly production processes
- Our tool experts guarantee precision-like processing and permanent development
- Precise adherence to stringent testing and measuring specifications are proof of maximum product quality.
- Large selection of mechanical and electronic torque wrenches, test equipment, torque multipliers and accessories
- Available singly or in practical sets
- Tailored service packages through to development of special customised tools

++ MAXIMUM CONTROL DURING PRODUCTION GUARANTEES A CONSTANTLY HIGH LEVEL

- All parts incorporated in the production process - from steel through to the smallest spring – are controlled while all manufacturing and work steps are subject to stringent quality controls.
- After assembly, adjustment and calibration, torque tools are tested for accuracy in the end control stage and given a serial number (unique product identification) and plant test certificate in accordance with the applicable DIN EN ISO standard.
- Within the framework of regular continuous tests, processing quality, repeat accuracy and durability are tested. The results of these tests are integrated directly in optimising the production process.

++ CONTROLLED SCREW TIGHTENING – RELIABLE AND SAFE FOR MORE THAN 50 YEARS

- Guaranteed high precision and user safety have been a top priority for decades.
- Top-grade industrial quality for the hardest of continuous uses
- Indispensable and very resilient aids for tough everyday workshop environments
- Torque tools are measuring equipment. Over the long term, accuracy can only be assured in the form of regular tests (recalibration) (at least once a year / at the latest after 5000 load cycles).

+ TOP-LEVEL AUTORISED CALIBRATION + AND COMPETENT CONTROL

- Own accredited DKD calibration laboratory for torques with (licence for testing in acc. with DKD guidelines 3-7:2003 / 3-8:2003 / DIN EN ISO 6789:2003) the registration number: DKD-K-28201
- National co-operation partner to the German Calibration Service (DKD) since accreditation (DIN EN ISO / IEC 17025) and authorisation by PTB in 2000
- Official examination of all test and measuring equipment once a year in the DKD laboratory by the Physikalisch-Technische Bundesanstalt in Braunschweig (PTB)
- Internal precision testing of all test and measuring equipment at least once every 3 months

OUR SERVICE - QUALIFIED AND CUSTOMISED

Our expert service is made-to-measure. We offer you a wide range of services, which can be matched quite individually to your requirements.
Your problems are our challenges. We can offer you qualified tailormade support in the following areas:

- In-house calibration according to DIN EN ISO 6789 : 2003
- DKD calibration in our own accredited DKD calibration laboratory
- Repair service for our own brands
- Demonstration/hire tools at favourable prices
- Competent advice via our service telephone
- Problem solving with the aid of our technical field service
- Product training (internal and external)
- Product presentations (internal and external)
- Involvement in your in-house fairs
- Special solutions in the engineering field / RAHSOL SOLUTIONS
- Free disposal of old torque wrenches or torque testers from any manufacturer in return for the purchase of new goods at a reduced price

+ TECHNICAL FIELD SERVICE

- Make use of our qualified advice to solve your technical problems, via telephone or on-site during work. We will willingly assist you in making your choice of the most suitable tool - from standard solutions up to and including customised manufacture for specific uses. Product training courses and presentations are also included in our service offering as is assistance at your company exhibitions.

We help you at any time...

SERVICE-TELEPHONE

- Between 7.30 a.m. and 4.30 p.m., our customer service operators will answer all your questions about products, including technical enquiries, fast and efficiently.
- Hotline: +49 (0) 1804 37 36 68

Instant help on the service-telephone

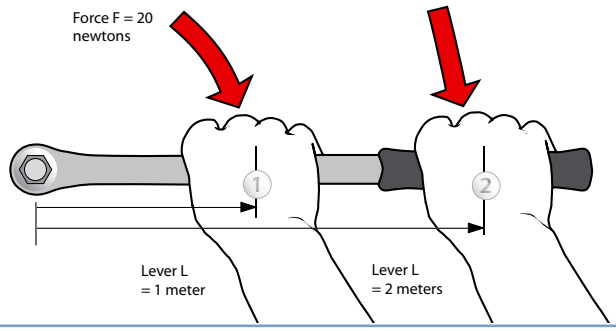
DKD CALIBRATION 286, 280 - 287

FACTORY CALIBRATION 287, 280 - 287

HOW IS THE TORQUE MEASURED?

The torque is calculated by multiplying the force "F" applied to the lever with the distance from the pivot point to the point of application "L" (length of the lever). Mathematically, that is expressed as follows: Torque M_A = Force F x Lever L

WORKING PRINCIPLE



The diagram shows dependencies of force F and lever L on the torque on the base of 2 examples.

In order to determine the relevant torque, we employ the formula „MA = F x L".

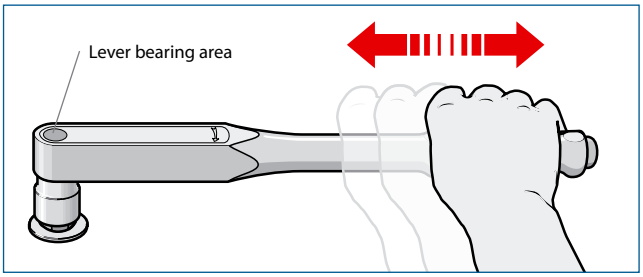
1 M_A = F x L = 20 N x 1 m = 20 N·m (newton meters)

2 M_A = F x L = 20 N x 2 m = 40 N·m (newton meters)

This means that the actual torque applied to the screw changes if the hand's position on the wrench changes.

Also applies for TORCOFIX... Handgrip with user aid

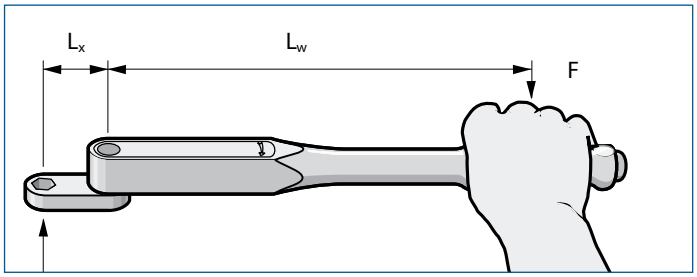
OPERABLE WITHOUT INACCURACIES



DREMOMETER TYPE MINI - F

In the DREMOMETER, we got around the physical principle explained above using constructional cleverness. Irrespective of where you apply the force - whether it be in the middle of the handgrip or at another position ot the DREMOMETER, whether it be with both hands or using an extension tube - the torque set by you is always achieved exactly - without shifts in value! By virtue of an axial position of the pivot point and the output square drive, the DREMOMETER is a tool which is operable without inaccuracies. By contrast to conventional torque wrenches, this single lever enables tightening without shifts in the measured value and without actuation away from the handgrip adversely affecting the accurancy.

Please note that most conventional torque wrenches can only be actuated at the middle of the handgrip because, otherwise, considerable shifts in value could occur. Do you want to play it safe? Then choose DREMOMETER.



DREMOMETER WITH SPANNERS

When the DREMOMETER is actuated with a special extension spanner, the single lever mentioned above is no longer the case.
The attached spanner alters the conditions to the extent that the pivot point is now situated outside of the output square drive and thus a socalled double lever acts upon the screw connection.
That has the consequence that the hand's pressure "F" can now only be applied to
the middle of the handgrip.
Every other pressure point would inevitably lead to shifts in value.

The set torque (M_{xw}) when using special spanners is determined along the following lines:

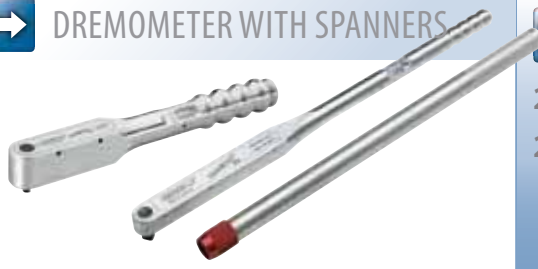
$$\frac{M_A \times l_w}{l_x + l_w}$$

Set torque = Our DREMOMETER and SE operate in accordance with the same principle. Here, the position of the pivot point also shifts to
the front. These wrenches must also be actuated at the middle of the handgrip. However, if you are using our spanner end fittings, then the setting torque does not
have to be re-calculated on the basis of the below-specified formula. Keep the depth gauges in the certificate in mind. Only if you are using your own designs (therby changing the dimension "L") does the setting torque have to be re-calculated.

F = Force
L_1 = Distance (path) from the middle of the handgrip to the pivot point
L = Distance (path) from the middle of the screw to the pivot point
M_A = Torque
displaced pivot point

DREMOMETER TYPE MINI - F

236

DREMOMETER WITH SPANNERS

240 - 241

OVERVIEW OF GEDORE PRODUCTS

Series / Type	Precision	Drive	Picto		Range N·m
	+/-				5 10 15 20 100 150 200 500 750 1000 1500 2000 3000 4000 5000 6000 48000
Mech. torque wrench					**0,2 - 3.000 N·m**
DREMOMETER MINI	3 %	¼"		●	2 - 12 N·m
DREMOMETER AM - F	3 %	¼" > ½"		●	6 - 3000 N·m
DREMOMETER BCK	3 %	½"	●	●	40 - 200 N·m
DREMOMETER Z	3 %	16 22 28		●	8 - 1000 N·m
DREMOMETER SE	3 %	9x12 14x18		●	8 - 400 N·m
DREMOMETER FS	6 %	¼"			1-14 N·m
TORCOFIX K	3 %	¼" > ¾"	●	●	1-850 N·m
TORCOFIX K US	3 %	¼" > ¾"	●	●	10 lbf·in - 600 lbf·ft
TORCOFIX UK	3 %	½"	●	●	10 - 300 N·m
TORCOFIX Z	3 %	16 22		●	2 -850 N·m
TOROFIX SE	3 %	9x12 14x18		●	2 - 400 N·m
TORCOFIX FS	3 %	9x12 14x18			2 - 200 N·m
TSN SLIPPER	4 %	¼" > ¼"	●		3 - 125 N·m
TBN KNICKER	4 % 6 % (760-00/01)	16 9x12			0,2 - 135 N·m
TSP SLIPPER	6 %	¼" > ½"	●		1 - 10 N·m
TSC SLIPPER	6 %	¼"	●	●	1 - 10 N·m
Typ 83	4 %	¼" > 1"	●		0,8 - 2000 N·m
Typ 88	4 %	¾" 22	●	●	100 - 1500 N·m
Torque screwdriver					**0,02 - 13,6 N·m**
Typ 755 FS	6 %	¼"			0,02 - 13,6 N·m
Typ 756 S	6 %	¼"		●	0,05 - 9 N·m
Typ 757S	6 %	¼"		●	0,2 - 9 N·m
Typ 758 SP	6 %	¼"		●	10 - 500 cN·m/ 14 ozf·in - 40 lbf·in
Electr. torque wrench					**2 - 1.000 N·m**
TORCOTRONIC II	1 %	½"	●	●	10 - 350 N·m
E-TORC II	1 %	¼" 9x12 14x18		●	2 - 1000 N·m
Torque testers					**0,5 - 3.150 N·m**
Dremotest E	1 %	¼" > ¾"			0,2 - 1100 N·m
E-TP	1 %	¼" > ½"			0,5 - 3150 N·m
Torque multiplier					**1.300 - 47.000 N·m**
Dremoplus 8600	4 %	¾" > 1"			1300 - 2700 N·m
Dremoplus 8601 - 8607	4 %	1" > 2½"			1700 - 47500 N·m
Dremoplus 8608	4%	¾" > 1"			1300 - 4500 N·m
Dremoplus mini 8613	4 %	¾"			1000 N·m
Dremoplus 8615 - 8660	4 %	¾" > ½"			1000 - 6000 N·m

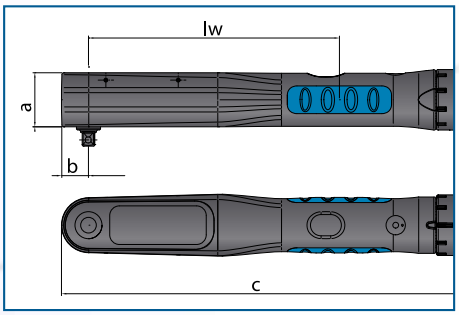
753

TORQUE WRENCH DREMOMETER MINI 2-12 N·m / 18-106 lbf·in

Use:
- Controlled screw tightening in the range 2-12 N·m
- For use in almost all industrial manufacturing areas

Features:
- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: +/- 3% tolerance of scale set torque. The specification of the standard (+/- 4%) is exceeded.
- Torque wrench with 1/4" square drive with ball locking device DIN 3120 - A 6.3, similar to ISO 1174, for controlled clockwise tightening
- Automatic short-path actuation with tactile impulse and audible signal
- Lightweight plastic casing, made from high-grade, glass-fibre reinforced polyamide, with soft-grip handle
- Dual scale with a scale graduation of 0.5 N·m and 5 lbf·in
- Additional micrometer scale for setting interim values with N·m, graduations of 0.05 N·m
- Window with a magnifying-glass effect
- Locking button enables reliable locking of the torque setting

Scope of delivery:
- Torque wrench type MINI (if a set is ordered this includes the accessories listed in the tables)
- With test certificate acc. to DIN EN ISO 6789, traceable to national standards



Code	No.	Type	■"	■	N·m	lbf·in		lw	a	b	c	
1957694	**753-11**	MINI	1/4	6.3	2-12	18-106	0,5 N·m / 5 lbf·in + 0,05 N·m	130	28	14	211	320

754 244

2090 156

20 IN 20 152

Deviant packing units see article description.

763

TORQUE WRENCH DREMOMETER T-FS pre-set, 1-14 N·m

Use:
- Power-saving application for torques which are usually in the range of torque screwdrivers
- E.g. securing modules on solar power systems, tool supports etc.; wherever the torques are too large for classic torque screwdrivers

Features:
- Torque wrench series with 14 pre-set models for serial production
- Working accuracy in accordance with DIN EN ISO 6789:2003 Type II Class E (+/- 6%)
- Lightweight and robust - housing made of a high-quality aluminium alloy
- With certificate acc. to DIN EN ISO 6789:2003, traceable via in-house DKD laboratory to national standards

- Special ranges are available on request

6,3
1/4"

± 6 %

Code	No.	■"	■	N·m	
1947907	**763-01**	1/4	6.3	1 N·m	241
1947915	**763-02**	1/4	6.3	2 N·m	241
1947923	**763-03**	1/4	6.3	3 N·m	241
1947931	**763-04**	1/4	6.3	4 N·m	241
1947958	**763-05**	1/4	6.3	5 N·m	241
1947966	**763-06**	1/4	6.3	6 N·m	241
1947974	**763-07**	1/4	6.3	7 N·m	241
1947990	**763-08**	1/4	6.3	8 N·m	241
1948008	**763-09**	1/4	6.3	9 N·m	241
1948016	**763-10**	1/4	6.3	10 N·m	241
1948024	**763-11**	1/4	6.3	11 N·m	241
1948032	**763-12**	1/4	6.3	12 N·m	241
1948040	**763-13**	1/4	6.3	13 N·m	241
1948059	**763-14**	1/4	6.3	14 N·m	241

DKD
286, 280 - 287

2099
157

FACTORY CALIBRATION
287 280 - 287

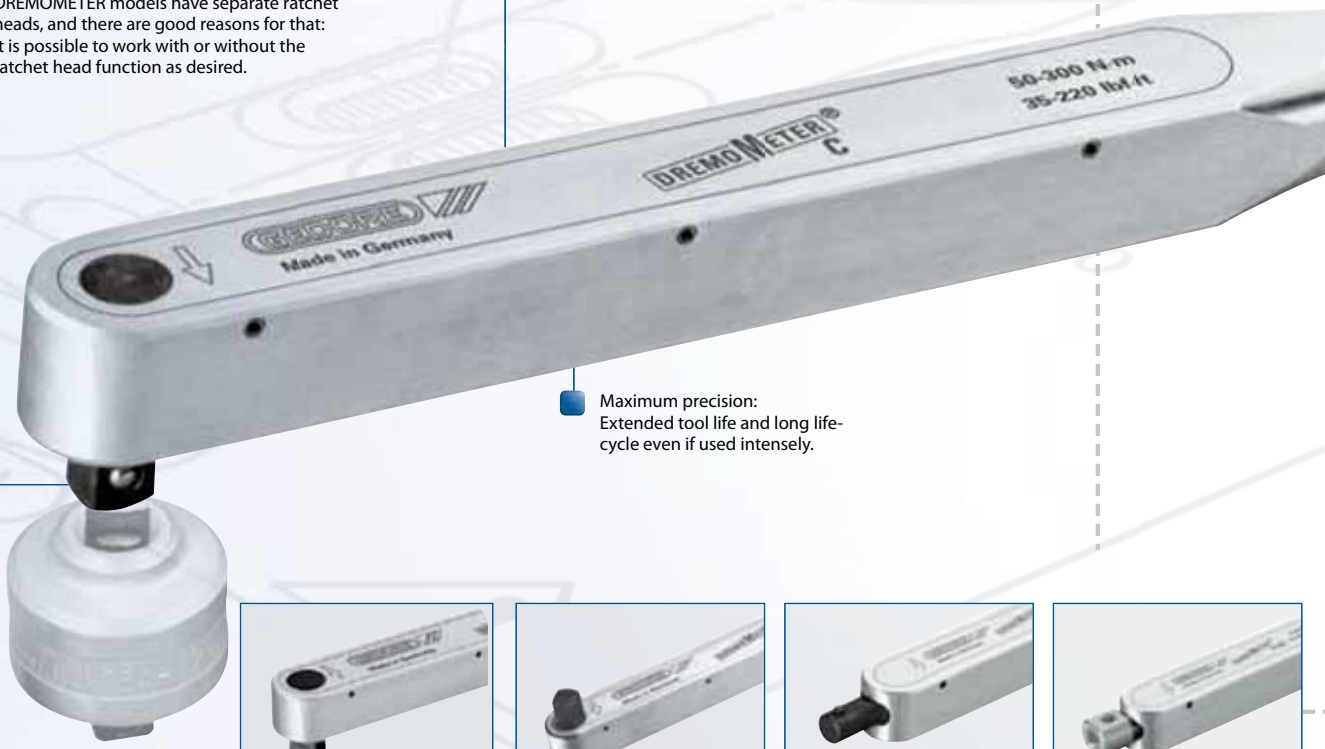
Deviant packing units see article description.

DREMOMETER - PERMANENT PRECISION

TORQUE WRENCH MADE OF HIGH-STRENGTH ALUMINIUM ALLOY

Drive in accordance with application: DREMOMETERS are available for a large variety of applications in controlled screw tightening. The single square drive for controlled clockwise tightening or the double square drive (L) for controlled bi-directional tightening. Special utilisation areas for DREMOMETER with spigot end (Z) and rectangular cavity (SE) particularly for hard-to-access locations and where space is tight. Almost all DREMOMETER models have separate ratchet heads, and there are good reasons for that: It is possible to work with or without the ratchet head function as desired.

Robust and unsusceptible: The full-metal construction of the DREMOMETER makes it particularly unsusceptible to grime and rough handling on construction sites, in workshops and in industry.



Maximum precision: Extended tool life and long life-cycle even if used intensely.

¼ - ½
6-3000 N·m

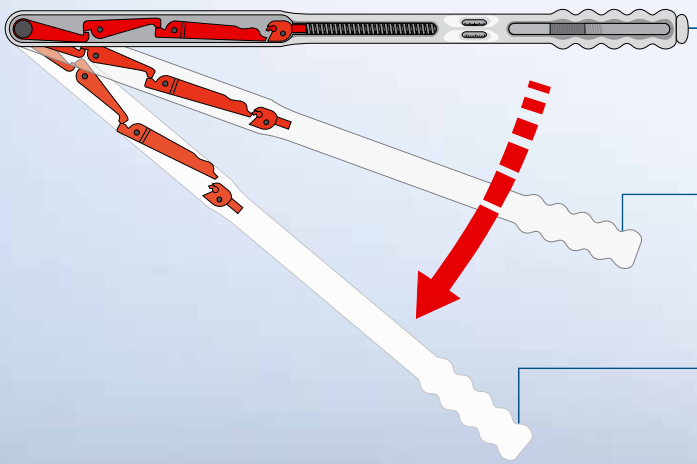
L ¼ - 1"
6-2000 N·m

Z 16 22 28
8-1000 N·m

SE 9x12 14x18
8-400 N·m

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.



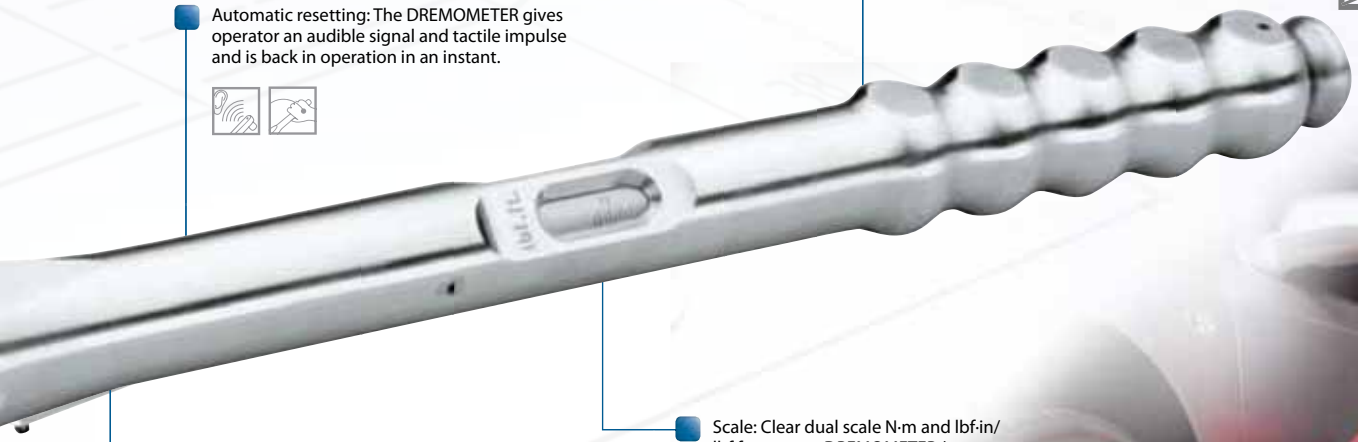
1. Position of the lever chain without impact of force (in starting position).

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).

Lightweight and pleasant: The aluminium housing and the ergonomically designed handgrip enable simple and safe operation over wide tightening ranges.

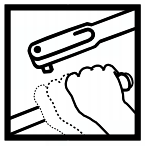
Automatic resetting: The DREMOMETER gives operator an audible signal and tactile impulse and is back in operation in an instant.



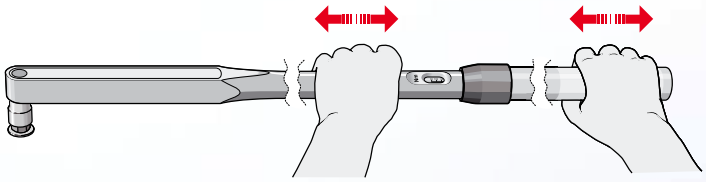
Scale: Clear dual scale N·m and lbf·in/ lbf·ft on every DREMOMETER (apart from models E / EL / EK / EKL / F).

Working accuracy: +/- 3% tolerance of scale set torque. Includes a test certificate according to DIN EN ISO 6789. Serial number on the wrench and on the certificate for unambiguous product identification, traceable to national standards.

DREMOMETER TYPE MINI - F
OPERABLE WITHOUT INACCURACIES

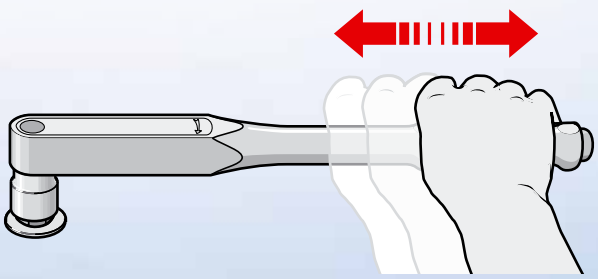


- Regardless of where you apply the force, at the center of the handgrip or another part of the DREMOMETER, with both hands or using an extension ube, your torque setting will always be attained, without shifts in value.

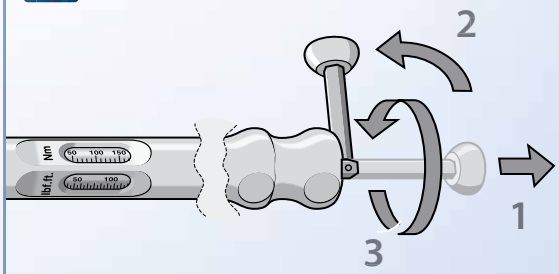


Due to its unique single-axis location of the centre of rotation and the output square drive, the DREMOMETER is a tool that can be operated free from errors. In contrast to conventional torque wrenches, this single lever enables tightening without shifts in the measured value and without interference caused by activation outside of the handgrip.

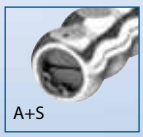
- (However, value shifts are possible when activating the DREMOMETER with special wrenches or when using wrenches with different depth gauges).



TECHNOLOGY

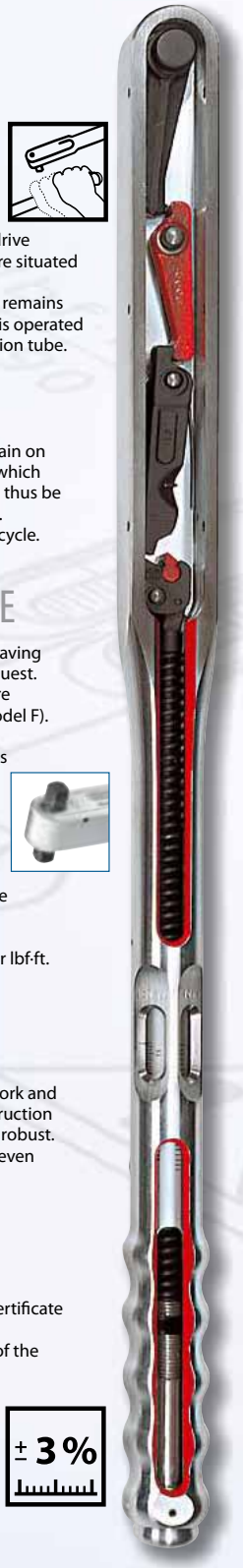


- Setting of the torque value to N·m or alternatively to lbf·in / lbf·ft by the non-losable hexagon key in the handgrip.
- The smooth-running mechanism enables the setting to be made quickly without significant force needing to be applied.



- All DREMOMETERS are also available with locking and safely device (A+S).

ALL THE BENEFITS AT A SINGLE GLANCE



SQUARE DRIVE

- In the DREMOMETER, the output square drive and the pivot point of the primary lever are situated on a single axis.
- Advantage: The absolute accuracy always remains unchanged in every case. Even if the tool is operated outside of the handgrip or with an extension tube.

LEVER CHAIN

- The integrated lever chain reduces the strain on the measuring mechanics to a minimum which means that the measuring mechanics can thus be constructed with much greater sensitivity.
- Advantage: High accuracy and a long life cycle.

DOUBLE SQUARE DRIVE

- DREMOMETER models (except model F) having a double square drive are available on request. Apart from that, separate ratchet heads are available for almost all models (except model F).
- Advantage: Controlled counter-clockwise tightening and work in very narrow spaces are possible without any problems.

SCALE

- Two scales on each DREMOMETER indicate N·m and the common US unit of torque measurement (apart from types E - F).
- Advantage: Exact reading even for lbf·in or lbf·ft.

HANDGRIP

- The nice-to-hold handgrip enables safe work and less operator fatigue. The full-metal construction makes DREMOMETER models particularly robust.
- Advantage: A high level of dependability even following tough long term work.

TEST CERTIFICATE

- All DREMOMETER models include a test certificate according to DIN EN ISO 6789:2003.
- Advantage: Guaranteed accuracy +/-3 % of the adjusted scale value.

± 3 %

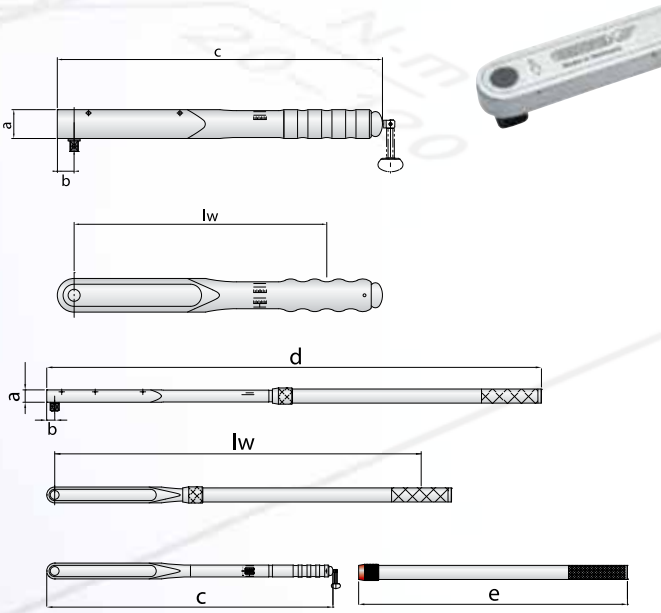
8554 AM - 8572 F

TORQUE WRENCH DREMOMETER AM - F 6-3000 N·m

Use:
- Controlled screw tightening in the range 6 - 3000 N·m
- For use in almost all industrial manufacturing areas

Features:
- With certificate acc. to DIN EN ISO 6789:2003, traceable via in-house DKD laboratory to national standards
- Automatic short-path actuation with tactile impulse and audible signal
- Dual scale (except for type E-F) with corresponding scale graduation (see table)
- Type B, BC, C with push-button release
- Type BCK with integrated ratchet function

Technical advantage/Function:
- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: +/- 3% tolerance of scale set torque. The specification of the standard (+/- 4%) is exceeded.
- Lightweight and robust (as housing is made of an aluminium alloy), very workshop-friendly
- No inaccuracies whether used with both hands or held away from the handle (as for standard torque wrenches) Both the square drive and fulcrum are on an axis which ensures a high degree of user safety; can be extended to reduce the user's working load.
- Extremely low wear attributable to reduced forces in a unique lever mechanism
- Forged lever chain from our own quality forge
- Maximum precision even when subjected to extreme continuous use
- Long life cycles and tool lives
- Easy operation - fast and safe torque tightening
- Easy adjustment thanks to attractive adjusting button secured against loss at the end of the handle
- Single- and double-square drive for controlled bi-directional tightening



Code	No.		Type	■"	■
7775440	**8554-01**		AM	1/4	6.3
7775870	**8559-01**		AML	1/4	6.3
7682000	**8560-01**		A	3/8	10.0
7682190	**8565-01**		AL	3/8	10.0
7683320	**8561-01**		B	1/2	12.5
7683400	**8566-01**		BL	1/2	12.5
7685530	**8573-00**		BC	1/2	12.5
7683670	**8578-00**		BCL	1/2	12.5
1905449	**8573-10**		BCK	1/2	12.5
7685450	**8562-10**		C	1/2	12.5
7685960	**8567-10**		CL	1/2	12.5
7688470	**8570-10**		CD	3/4	20.0
7688710	**8575-10**		CDL	3/4	20.0
1427156	**8574-10**		DS	3/4	20.0
1427121	**8579-10**		DSL	3/4	20.0
7691500	**8563-10**		D	3/4	20.0
7691850	**8568-10**		DL	3/4	20.0
7670180	**8563-01**		DR	3/4	20.0
7670500	**8568-01**		DRL	3/4	20.0
7670930	**8568-35**		DR-LKW	3/4	20.0
7694010	**8571-01**		DX	3/4	20.0
7694360	**8576-01**		DXL	3/4	20.0
2311267	**8581-01**		EK	1	25.0
2311291	**8586-01**		EKL	1	25.0
7695250	**8564-01**		E	1	25.0
7695410	**8569-01**		EL	1	25.0
7717160	**8572-01**		F	1.1/2	40.0

8560-03 A

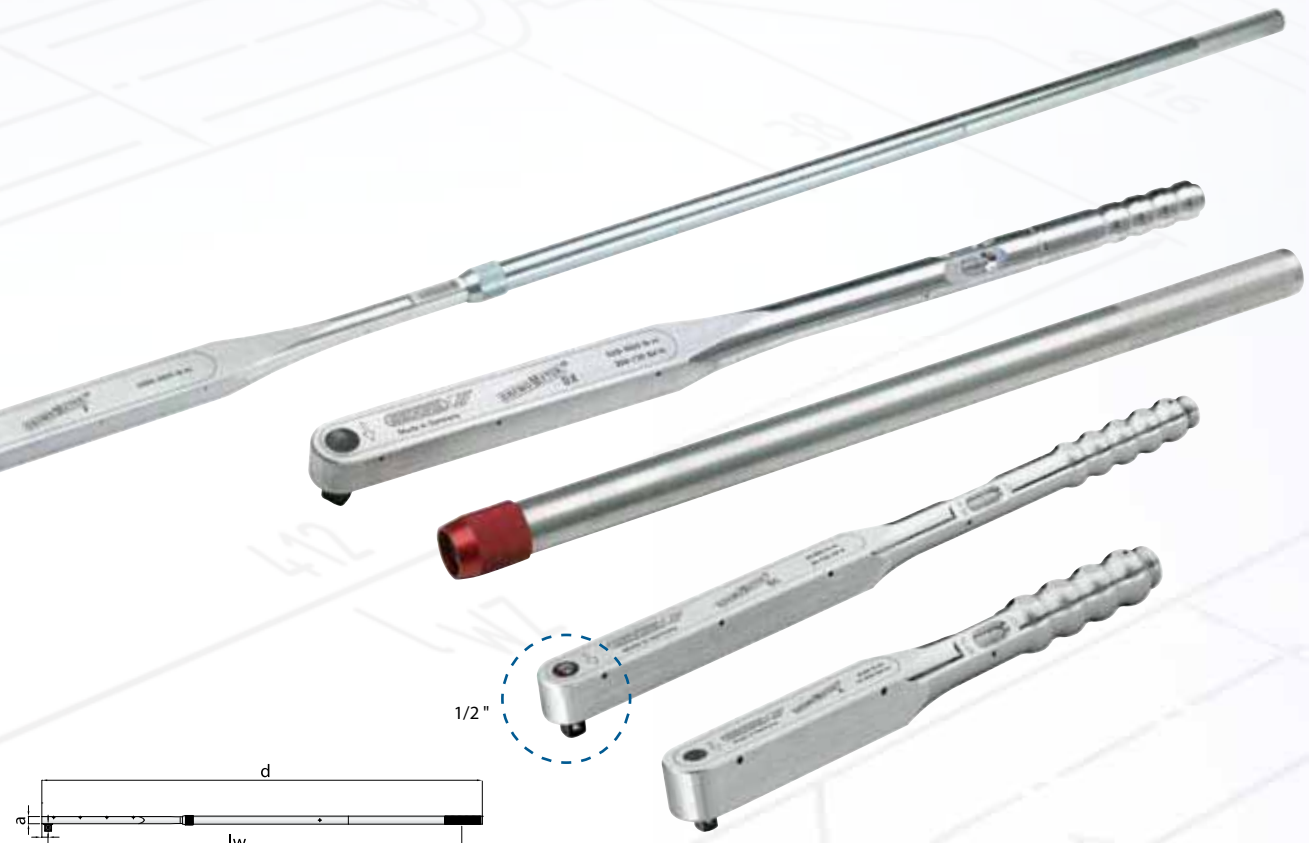
242

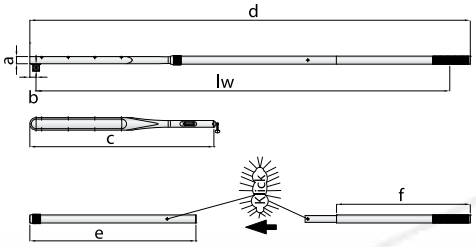
754

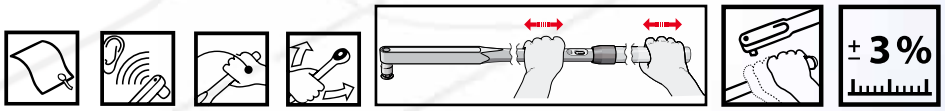
244

Deviant packing units see article description.

6,3 1/4"
10 3/8"
12,5 1/2"
20 3/4"
25 1"
40 1 1/2"







N·m	lbf·in	lbf·ft	تسلسل	lw	a	b	c	d	e	f	
6-30	50-270	-	1 N·m / 10 lbf·in	207	30	15.0	268	-	-	-	580
6-30	50-270	-	1 N·m / 10 lbf·in	207	30	15.0	268	-	-	-	580
8-40	70-350	-	5 N·m / 50 lbf·in	263	30	17.5	338	-	-	-	1000
8-40	70-350	-	5 N·m / 50 lbf·in	263	30	17.5	338	-	-	-	1000
20-120	-	15-90	5 N·m / 5 lbf·ft	374	30	17.5	462	-	-	-	1500
20-120	-	15-90	5 N·m / 5 lbf·ft	374	30	17.5	462	-	-	-	1500
40-200	-	30-150	5 N·m / 5 lbf·ft	463	30	17.5	551	-	-	-	1400
40-200	-	30-150	5 N·m / 5 lbf·ft	463	30	17.5	551	-	-	-	1300
40-200	-	30-150	5 N·m / 5 lbf·ft	463	35	20.0	554	-	-	-	1400
50-300	-	35-220	5 N·m / 5 lbf·ft	529	30	17.5	617	-	-	-	2000
50-300	-	35-220	5 N·m / 5 lbf·ft	529	30	17.5	617	-	-	-	2000
80-360	-	60-260	5 N·m / 5 lbf·ft	624	30	22.5	717	-	-	-	2400
80-360	-	60-260	5 N·m / 5 lbf·ft	624	30	22.5	717	-	-	-	2400
110-550	-	80-400	10 N·m / 10 lbf·ft	719	35	22.5	812	-	-	-	2900
110-550	-	80-400	10 N·m / 10 lbf·ft	719	35	22.5	812	-	-	-	2900
140-760	-	100-560	10 N·m / 10 lbf·ft	719	35	22.5	812	-	-	-	3200
140-760	-	100-560	10 N·m / 10 lbf·ft	719	35	22.5	812	-	-	-	3200
140-760	-	100-560	10 N·m / 10 lbf·ft	1297	35	22.5	812	1413	772	-	5000
140-760	-	100-560	10 N·m / 10 lbf·ft	1297	35	22.5	812	1413	772	-	5000
140-760	-	100-560	10 N·m / 10 lbf·ft	1297	35	22.5	812	1413	772	-	12300
520-1000	-	380-730	10 N·m / 10 lbf·ft	1297	35	22.5	812	1413	772	-	5600
520-1000	-	380-730	10 N·m / 10 lbf·ft	1297	35	22.5	812	1413	772	-	5600
600-1500	-	-	25 N·m	1873	40	30.0	932	1608	925	-	10800
600-1500	-	-	25 N·m	1873	40	30.0	932	1608	925	-	10800
750-2000	-	-	50 N·m	1873	40	30.0	932	2353	925	745	11600
750-2000	-	-	50 N·m	1873	40	30.0	932	2353	925	745	11600
1500-3000	-	-	50 N·m	2313	40	35.0	1025	2453	925	745	13200

Deviant packing units see article description.

753-12 - 8572-02

DREMOMETER

6,3 · 10 · 12,5 · 20 · 25 · 40 · 1/4" · 3/8" · 1/2" · 3/4" · 1" · 1 1/2"

± 3 %

Code	No.		Type	■"	■	Inclusion	
1957708	**753-12**		MINI	1/4	6.3	in plastic cassette	0.6
7674090	**8554-02**		AM	1/4	6.3	in plastic cassette	0.9
7673790	**8559-02**		AML	1/4	6.3	in plastic cassette	0.9
7682270	**8560-02**		A	3/8	10.0	in a sheet-metal case	2.2
7682350	**8565-02**		AL	3/8	10.0	in a sheet-metal case	2.2
7683830	**8561-02**		B	1/2	12.5	in a sheet-metal case	2.8
7684130	**8566-02**		BL	1/2	12.5	in a sheet-metal case	2.8
7683590	**8573-02**		BC	1/2	12.5	in a sheet-metal case	3.5
7683750	**8578-02**		BCL	1/2	12.5	in a sheet-metal case	3.5
7686340	**8562-20**		C	1/2	12.5	in a sheet-metal case	3.6
7686690	**8567-20**		CL	1/2	12.5	in a sheet-metal case	3.6
7689280	**8570-20**		CD	3/4	20.0	in a sheet-metal case	6.2
7689520	**8575-20**		CDL	3/4	20.0	in a sheet-metal case	6.2
1436112	**8574-20**		DS	3/4	20.0	in a sheet-metal case	6.7
1436120	**8579-20**		DSL	3/4	20.0	in a sheet-metal case	6.7

Code	No.		Type	■"	■	Inclusion	
7692070	**8563-20**		D	3/4	20.0	in a sheet-metal case	7.7
7692310	**8568-20**		DL	3/4	20.0	in a sheet-metal case	7.7
7670260	**8563-02**		DR	3/4	20.0	in a sheet-metal case with extension tube	8.8
7670690	**8568-02**		DRL	3/4	20.0	in a sheet-metal case with extension tube	8.8
7694520	**8571-02**		DX	3/4	20.0	in a sheet-metal case with extension tube	10.0
7694600	**8576-02**		DXL	3/4	20.0	in a sheet-metal case with extension tube	10.0
7695680	**8564-02**		E	1	25.0	in sheet-metal case with 2 extension tubes	24.3
7695840	**8569-02**		EL	1	25.0	in sheet-metal case with 2 extension tubes	24.3
2311275	**8581-02**		EK	1	25.0	in sheet-metal case with 1 extension tube	24.3
2311305	**8586-02**		EKL	1	25.0	in sheet-metal case with 1 extension tube	24.3
7717240	**8572-02**		F	1.1/2	40.0	in sheet-metal case with 2 extension tubes	24.0

753-13 - 8572-03

DREMOMETER SETS MM

6,3 · 10 · 1/4" · 3/8" · 12,5 · 1/2" · 20 · 3/4" · 25 · 1" · 40 · 1 1/2"

± 3 %

mm

Code	No.		Type	■"	■	Inclusion	
1957724	**753-13**		MINI	1/4	6.3	Set mm ○ 4 5 5,5 6 7 8 9 10 ⊕ 1 2 3 ⊖ 4 5,5 6,5 ◉ 3 4 5 6 ✱ T20 T27 T30 754-00 55 + 97 mm 2098	1.0
7674170	**8554-03**		AM	1/4	6.3	Set mm ○ 8 9 10 11 12 13 14 ⊕ 3 ⊖ 5,5 ◉ 4 5 6 8 ✱ T20 T27 T30 754-00 55 + 97 mm	1.3
7675060	**8559-03**		AML	1/4	6.3	Set mm ○ 8 9 10 11 12 13 14 ⊕ 3 ⊖ 5,5 ◉ 4 5 6 8 ✱ T20 T27 T30 754-00 55 + 97 mm	1.3
7682430	**8560-03**		A	3/8	10.0	Set mm ○ 8 10 11 13 14 15 17 19 ◉ 4 5 6 8 754-01 125 + 250 mm	3.1
7682940	**8565-03**		AL	3/8	10.0	Set mm ○ 8 10 11 13 14 15 17 19 ◉ 4 5 6 8 754-01 125 + 250 mm	3.1
7684480	**8561-03**		B	1/2	12.5	Set mm ○ 11 13 14 17 19 22 24 ◉ 6 8 10 12 754-02 76 + 125 + 250 mm	4.7
7684640	**8566-03**		BL	1/2	12.5	Set mm ○ 11 13 14 17 19 22 24 ◉ 6 8 10 12 754-02 76 + 125 + 250 mm	4.7
7683910	**8573-03**		BC	1/2	12.5	Set mm ○ 11 13 14 17 19 21 22 24 27 ◉ 6 8 10 12 754-02 125 + 250 mm	5.1
7684050	**8578-03**		BCL	1/2	12.5	Set mm ○ 11 13 14 17 19 21 22 24 27 ◉ 6 8 10 12 754-02 125 + 250 mm	5.1
7687070	**8562-30**		C	1/2	12.5	Set mm ○ 17 19 22 24 27 30 32 ◉ 8 10 12 14 754-02 76 + 125 + 250 mm	6.0

Code	No.		Type	■"	■	Inclusion	
7687310	**8567-30**		CL	1/2	12.5	Set mm ○ 17 19 22 24 27 30 32 ◉ 8 10 12 14 754-02 76 + 125 + 250 mm	6.0
7689950	**8570-30**		CD	3/4	20.0	Set mm ○ 19 22 24 27 30 32 754-04 200 + 400 mm	11.0
7690290	**8575-30**		CDL	3/4	20.0	Set mm ○ 19 22 24 27 30 32 754-04 200 + 400 mm	11.0
7692660	**8563-30**		D	3/4	20.0	Set mm ○ 22 24 27 30 32 36 41 46 754-04 200 + 400 mm	13.6
7692900	**8568-30**		DL	3/4	20.0	Set mm ○ 22 24 27 30 32 36 41 46 754-04 200 + 400 mm	13.6
7670340	**8563-03**		DR	3/4	20.0	Set mm ○ 22 24 27 30 32 36 41 46 754-04 200 + 400 mm	14.4
7670770	**8568-03**		DRL	3/4	20.0	Set mm ○ 22 24 27 30 32 36 41 46 754-04 200 + 400 mm	14.4
7670930	**8568-35**		DR-LKW	3/4	20.0	Set mm ○ 27 30 32 754-04 400 mm	12.3
7694870	**8571-03**		DX	3/4	20.0	Set mm ○ 30 32 36 41 46 50 754-04 200 + 400 mmm	16.8
7694950	**8576-03**		DXL	3/4	20.0	Set mm ○ 30 32 36 41 46 50 754-04 200 + 400 mm	16.8
7696060	**8564-03**		E	1	25.0	Set mm ○ 36 41 46 50 55 60 65 70 754-06 200 + 400 mm	42.4
7696140	**8569-03**		EL	1	25.0	Set mm ○ 36 41 46 50 55 60 65 70 754-06 200 + 400 mm	42.4
2311283	**8581-03**		EK	1	25.0	Set mm ○ 36 41 46 50 55 60 65 70 754-06 200 + 400 mm	42.4
2311313	**8586-03**		EKL	1	25.0	Set mm ○ 36 41 46 50 55 60 65 70 754-06 200 + 400 mm	42.4

Deviant packing units see article description.

753-14 - 8572-04

DREMOMETER SETS INCH

6,3 1/4" 10 3/8" 12,5 1/2" 20 3/4" 25 1" 40 1 1/2"

± 3 %

"AF

Code	No.	Type	■"	■	Inclusion	
1957732	**753-14**	MINI	1/4	6.3	Set INCH ○ 3/16 7/32 1/4 9/32 5/16 11/32 3/8 7/16" ⊕ 1 2 3 ⊖ 4 5,5 6,5 ◉ 3 4 5 6 ✱ T20 T27 T30 754-00 55 + 97 mm 2098	1.0
7674410	**8554-04**	AM	1/4	6.3	Set INCH ○ 9/32 5/16 11/32 3/8 7/16 1/2 9/16 ⊕ 3 ⊖ 5,5 ◉ 4 5 6 8 ✱ T20 T27 T30 754-00 55 + 97 mm	1.3
7675140	**8559-04**	AML	1/4	6.3	Set INCH ○ 9/32 5/16 11/32 3/8 7/16 1/2 9/16 ⊕ 3 ⊖ 5,5 ◉ 4 5 6 8 ✱ T20 T27 T30 754-00 55 + 97 mm	1.3
7683160	**8560-04**	A	3/8	10.0	Set INCH ○ 3/8 7/16 1/2 9/16 19/32 5/8 11/16 ◉ 1/4 5/16 3/8 754-01 125 + 250 mm	3.0
7683240	**8565-04**	AL	3/8	10.0	Set INCH ○ 3/8 7/16 1/2 9/16 19/32 5/8 11/16 ◉ 1/4 5/16 3/8 754-01 125 + 250 mm	3.0
7684990	**8561-04**	B	1/2	12.5	Set INCH ○ 7/16 1/2 9/16 19/32 5/8 11/16 3/4 25/32 13/16 7/8 15/16 1" ◉ 5/16 3/8 1/2" 754-02 76 + 125 + 250 mm	5.3
7685100	**8566-04**	BL	1/2	12.5	Set INCH ○ 7/16 1/2 9/16 19/32 5/8 11/16 3/4 25/32 13/16 7/8 15/16 1" ◉ 5/16 3/8 1/2" 754-02 76 + 125 + 250 mm	5.3
7684720	**8573-04**	BC	1/2	12.5	Set INCH ○ 1/2 9/16 5/8 11/16 3/4 13/16 7/8" ◉ 5/16 3/8 1/2 9/16" 754-02 125 + 250 mm	4.9

Code	No.	Type	■"	■	Inclusion	
7684210	**8578-04**	BCL	1/2	12.5	Set INCH ○ 1/2 9/16 5/8 11/16 3/4 13/16 7/8" ◉ 5/16 3/8 1/2 9/16" 754-02 125 + 250 mm	4.9
7687820	**8562-40**	C	1/2	12.5	Set INCH ○ 3/4 25/32 13/16 7/8 15/16 1" 1.1/16 1.1/8 1.1/4" ◉ 3/8 1/2 9/16 5/8" 754-02 76 + 125 + 250 mm	6.2
7688120	**8567-40**	CL	1/2	12.5	Set INCH ○ 3/4 25/32 13/16 7/8 15/16 1" 1.1/16 1.1/8 1.1/4" ◉ 3/8 1/2 9/16 5/8" 754-02 76 + 125 + 250 mm	6.2
7690530	**8570-40**	CD	3/4	20.0	Set INCH ○ 7/8 15/16 1" 1.1/8 1.1/4 1.3/8 1.1/2 1.5/8" 754-04 200 + 400 mm	11.3
7691180	**8575-40**	CDL	3/4	20.0	Set INCH ○ 7/8 15/16 1" 1.1/8 1.1/4 1.3/8 1.1/2 1.5/8" 754-04 200 + 400 mm	11.3
7693200	**8563-40**	D	3/4	20.0	Set INCH ○ 1" 1.1/8 1.1/4 1.5/16 1.3/8 1.7/16 1.1/2 1.5/8 1.3/4 1.13/16 1.7/8 2" 754-04 200 + 400 mm	13.3
7693550	**8568-40**	DL	3/4	20.0	Set INCH ○ 1" 1.1/8 1.1/4 1.5/16 1.3/8 1.7/16 1.1/2 1.5/8 1.3/4 1.13/16 1.7/8 2" 754-04 200 + 400 mm	13.3
7670420	**8563-04**	DR	3/4	20.0	Set INCH ○ 1" 1.1/8 1.1/4 1.5/16 1.3/8 1.7/16 1.1/2 1.5/8 1.3/4 1.13/16 1.7/8 2" 754-04 200 + 400 mm	16.7
7670850	**8568-04**	DRL	3/4	20.0	Set INCH ○ 1" 1.1/8 1.1/4 1.5/16 1.3/8 1.7/16 1.1/2 1.5/8 1.3/4 1.13/16 1.7/8 2" 754-04 200 + 400 mm	16.7
7695170	**8571-04**	DX	3/4	20.0	Set INCH ○ 1.1/8 1.1/4 1.3/8 1.1/2 1.3/4 1.7/8" 754-04 200 + 400 mm	16.0
7695330	**8576-04**	DXL	3/4	20.0	Set INCH ○ 1.1/8 1.1/4 1.3/8 1.1/2 1.3/4 1.7/8" 754-04 200 + 400 mm	16.0

8600

272

Deviant packing units see article description.

DREMOMETER MINI-F / Z / SE

754

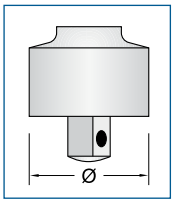
RATCHET HEADS DREMOMETER

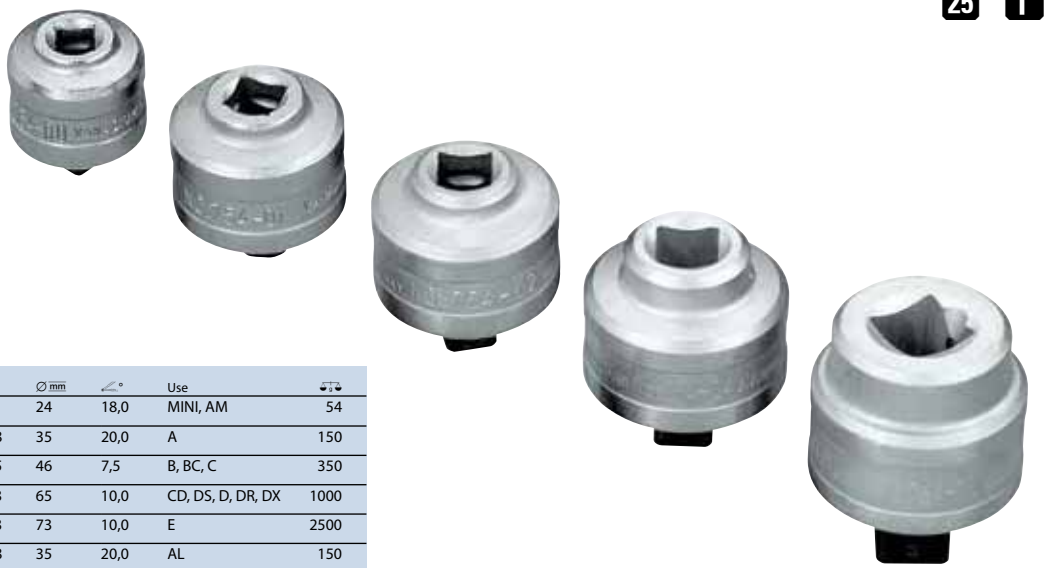
Use:
- Enables controlled torque tightening in combination with a DREMOMETER torque wrench (Type MINI - E)

Inclusion:
- Fine-pitched, sturdy ratchet head
- With 1/4", 3/8", 1/2", 3/4" or 1" output square drive
- Clockwise models (no. 754-00 to -06)
- Counter-clockwise models (no. 754-11 to -16)
- Made of chrome-vanadium steel

Scope of delivery:
- Ratchet head
- Single packed in poly-bag

6,3 1/4" 10 3/8" 12,5 1/2" 20 3/4" 25 1"





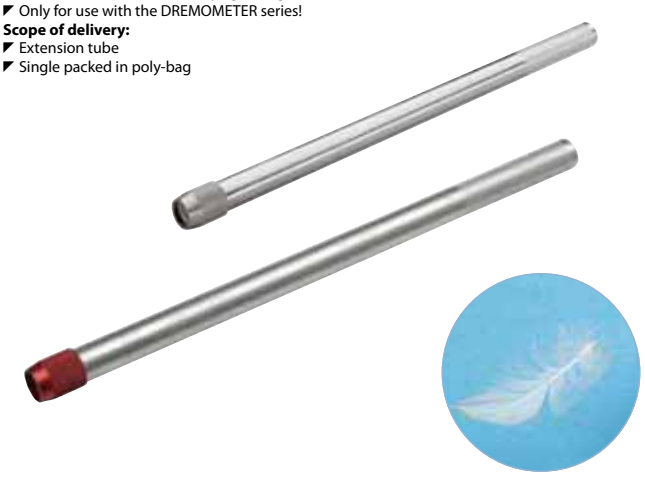
Code	No.	□"	■"	H	Ø mm	∠°	Use	
7680490	**754-00**	1/4	1/4	21	24	18,0	MINI, AM	54
7680570	**754-01**	3/8	3/8	28	35	20,0	A	150
7680650	**754-02**	1/2	1/2	35	46	7,5	B, BC, C	350
7680730	**754-04**	3/4	3/4	53	65	10,0	CD, DS, D, DR, DX	1000
7680810	**754-06**	1	1	63	73	10,0	E	2500
7686770	**754-11**	3/8	3/8	28	35	20,0	AL	150
7686850	**754-12**	1/2	1/2	35	46	7,5	BL, BCL, CL	350
7686930	**754-14**	3/4	3/4	53	65	10,0	CDL, DSL, DL, DRL, DXL	1000
7687150	**754-16**	1	1	63	73	10,0	EL	1800

EXTENSION TUBES FOR DREMOMETER DR - F + W

Use:
- Spare extension tube for torque wrench series DREMOMETER DR - F and DXZ
- To enable high torque values by means of extending the lever arm

Inclusion:
- Guarantees proof connection to the DREMOMETER
- Ideal for extending the lever arm
- Extension tubes 8572-74 / 8564-92 / 8564-40 made from high-grade, galvanised steel
- Extension tube 8571-80 made from high-grade aluminium with anodised locknuts - extremely lightweight
- Only for use with the DREMOMETER series!

Scope of delivery:
- Extension tube
- Single packed in poly-bag



Code	No.	Description	⊢mm⊣	
7621640	**8564-40**	Extension tube for DREMOMETER E	400	2.3
7622020	**8572-74**	Extension tube for DREMOMETER E/F	745	3.6
1686313	**8571-80**	Extension tube ALU for DREMOMETER DX/DR	772	0.8
7621720	**8564-92**	Extension tube for DREMOMETER E/EK/F	925	3.4

Ratchet heads DREMOMETER 754

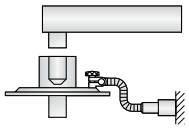
Ratchet head no. 754 can only be used in combination with the dremometer. Please note the right direction of rotation by the ratchet head when ordering. There are separate models for clockwise or counter-clockwise rotation. Ratchet head nos. 754-11 to -16 (counter-clockwise) can only be used with the dremometer with double square drive.

Torque angle indicator 8200

When using torque angle indicator no. 8200, please note: The maximum output of the torque wrenches must not be passed. Please ensure that the maximum load capacity of the square drive including the values achieved by angle-regulated tightening:

1/2" max. approx. 390 N·m
3/4" max. approx. 1330 N·m

is not exceeded.



Deviant packing units see article description.

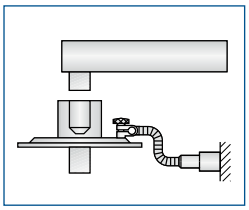
8200

TORQUE ANGLE INDICATOR

Use:
- Additional angle-regulated tightening for controlled torque and angle activation

Inclusion:
- Torque angle indicator with 1/2" or 3/4" square drive
- For additional precise angle tightening (0-360°)
- 1/2" square drive with ball locking device or 3/4" square drive with pin locking device
- No. 8200-01/-02 models with sliding magnetic and gripping arm
- No. 8200-11 only with magnetic arm - simple design
- To operate with a suitable torque wrench
- The maximum output of the torque wrench must not be passed

Scope of delivery:
- Torque angle indicator
- Delivered in a strong plastic case (no. 8200-01/-02), model no. 8200-11 in sturdy hard cardboard packaging



Code	No.	External ■ / Internal □	∅ mm	∠ °		
1195980	**8200-01**	1/2" ■ / 1/2" □	80	0-360	330	
7718480	**8200-11**	1/2" ■ / 1/2" □	82	0-360	330	
7716510	**8200-02**	3/4" ■ / 3/4" □	120	0-360	530	

8100 - 8116

TORQUE LIMIT UNIT 3/8"

Use:
- Torque limiting for controlled screw tightening

Inclusion:
- 8116 - Sparking-plug socket with built-in torque limit unit
- 0774 - Adaptor 3/8" female square for ratchets with fixed head
- 8100 - Torque limiting adaptor for torque control with sparking-plug sockets. Fits with 3/8" female square drives
- All models of the torque limiting adaptors are available with a factory pre-set torque value in the range of 8-25 N·m

Scope of delivery:
- Torque limiting adaptor
- Single packed in poly-bag

Code	No.	External ■ / Internal □	Description	N·m	⊢mm⊣	
7717830	**8116-18**	3/8" ■ / 16 ○	Spark plug with built-in torque control	18	83	200
7717910	**8100-18**	3/8" ■ / 3/8" □	Adaptor 3/8" for spark plug sockets	18	50	150
7717670	**774-00**	3/8" □ / 3/8" □	Adaptor		25	30

920 922 → 487

923 → 487

3093 U-20 → 164

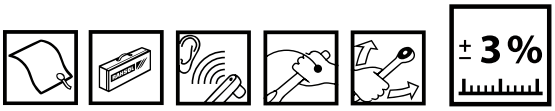
Deviant packing units see article description.

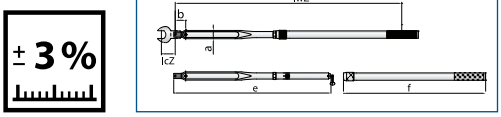
8460 Z - 8471 Z

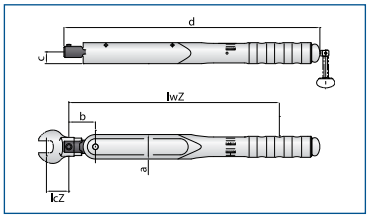
TORQUE WRENCH DREMOMETER Z WITH QUICK-FITTING CHANGE 8-1000 N·m / 70 lbf·in - 730 lbf·ft

- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: +/- 3% tolerance of scale set torque. The specification of the standard (+/- 4%) is exceeded.
- Lightweight yet robust (as the housing is made of an aluminium alloy) and resilient, very workshop-friendly
- Depending on the application, access is possible from the front (e.g. open-end fitting) or side (e.g. reversible ratchet and socket)
- Force to be applied in the middle of the handgrip only - do not use an extension tube as otherwise, inaccuracies can evolve (except for model DXZ where the DREMOMETER has been calibrated and adjusted using the extension tube)
- Operation only with end fittings with standardised depth gauges, otherise inaccuracies can arise. Keep the depth gauges on the certificate in mind. Only use original GEDORE accessories.
- Large drive cross-section transfers maximum torques
- Extremely low wear attributable to reduced forces in the lever mechanism
- Forged lever chain from our own quality forge
- Maximum precision even when subjected to extreme continuous use
- Long life cycles and tool lives
- Easy operation - fast and safe torque tightening
- Easy adjustment thanks to attractive adjusting button secured against loss at the end of the handle
- With certificate acc. to DIN EN ISO 6789, traceable via in-house DKD laboratory to national standards

16 22 28







Code	No.	Type	Ø	N·m	lbf·in	lbf·ft		lwZ	lcZ	a	b	c	d	
7703610	**8460-01**	AZ	16	8-40	70-350	-	5 N·m / 50 lbf·in	301	32	35	38	17	366	1000
7704260	**8461-01**	BZ	16	20-120	-	15-90	5 N·m / 5 lbf·ft	412	32	35	38	17	490	1450
7704340	**8462-01**	CZ	16	50-400	-	35-300	5 N·m / 5 lbf·ft	567	32	35	38	17	645	2000
7703020	**8463-10**	DZ	22	140-620	-	105-450	10 N·m / 10 lbf·ft	768	56	45	49	18	846	3000
1251341	**8471-01**	DXZ	28	520-1000	-	380-730	10 N·m / 10 lbf·ft	1231	75	45	57	18	1329	5500

Technical information Z

- The large cross-section of the spigot end transfers a maximum torque. "Quick-fitting-change-system" with a locking pin mechanism guarantees that work takes place flexibly and rapidly.
- Ideal for bolted connections in cramped and hard-to-access locations. Depending on how the DREMOMETER Z is used, it is possible to work both in the forward direction and also to the side.

OUR SERVICE – ualified and customised

DKD

280 - 287

7460 - 7471

249

8791 - 8798

16 22 28

264 - 267

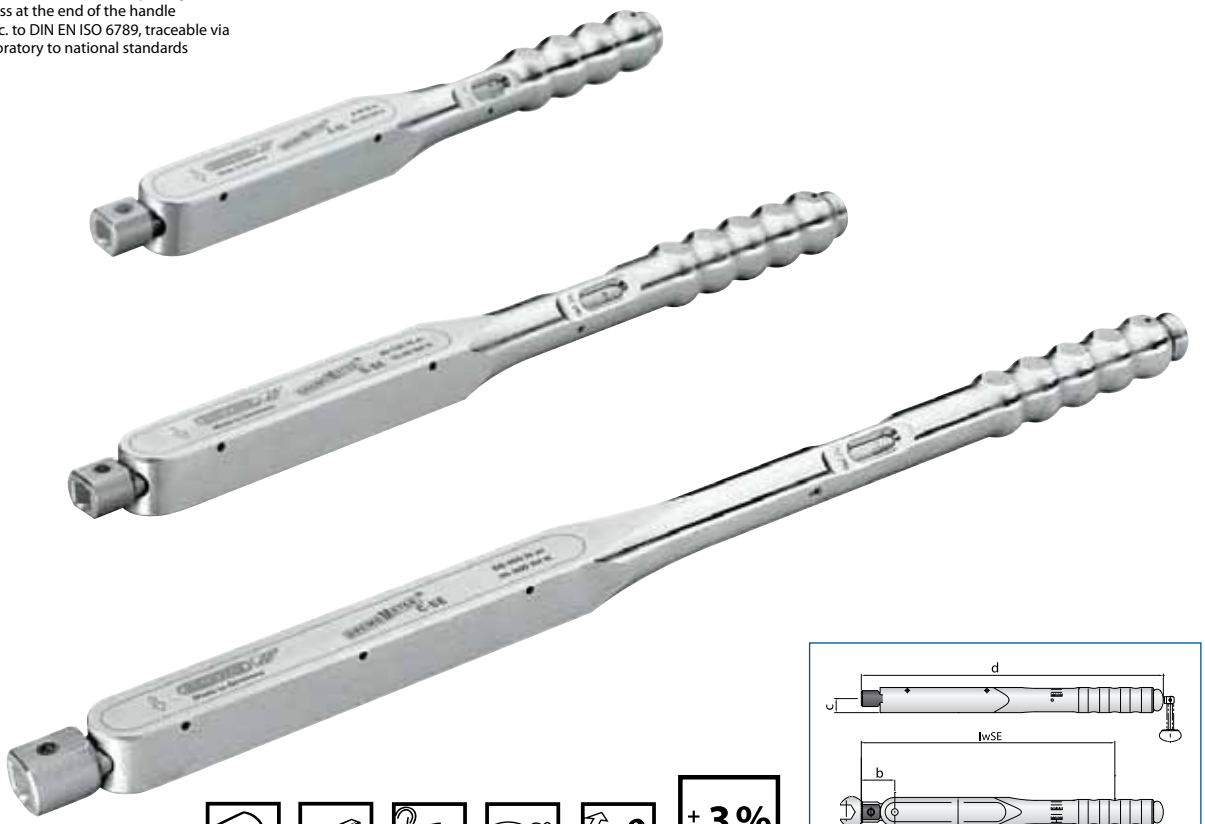
Deviant packing units see article description.

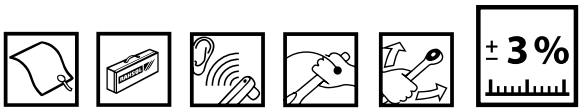
8480 SE - 8482 SE

TORQUE WRENCH DREMOMETER SE WITH QUICK-FITTING CHANGE 8-400 N·m / 70 lbf·in - 300 lbf·ft

9x12
14x18

- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: +/- 3% tolerance of scale set torque. The specification of the standard (+/- 4%) is exceeded.
- Lightweight yet robust (as the housing is made of an aluminium alloy) and resilient, very workshop-friendly
- Drive offers extensive range of accessories
- Depending on the application, access is possible from the front (e.g. rectangular open-end fitting) or side (e.g. reversible ratchet and socket)
- Force to be applied in the middle of the handgrip only - do not use an extension tube as otherwise, inaccuracies can arise
- Operation only with end fittings otherwise inaccuracies can arise. Keep the depth gauges on the certificate in mind. Only use original GEDORE accessories.
- Extremely low wear attributable to reduced forces in the lever mechanism
- Forged lever chain from our own quality forge
- Maximum precision even when subjected to extreme continuous use
- Long life cycles and tool lives
- Easy operation - fast and safe torque tightening
- Easy adjustment thanks to attractive adjusting button secured against loss at the end of the handle
- With certificate acc. to DIN EN ISO 6789, traceable via in-house DKD laboratory to national standards





Code	No.	Type	□mm	N·m	lbf·in	lbf·ft	±	lwSE	lcSE	a	b	c	d	
7714060	**8480-01**	A-SE	9 x 12	8-40	70-350	-	5 N·m / 50 lbf·in	303	17.5	35	40	17	361	950
7714140	**8481-01**	B-SE	9 x 12	20-120	-	15-90	5 N·m / 5 lbf·ft	414	17.5	35	40	17	485	1250
7714220	**8482-01**	C-SE	14 x 18	50-400	-	35-300	5 N·m / 5 lbf·ft	579	25.0	35	50	17	649	1700

Technical information - Quick-fitting change

Quick-fitting tool 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 **Dremometer SE**, access is possible from the front and side.

www.gedore.com

7480 - 7482

249

7112 - 7918

268 - 269

Deviant packing units see article description.

7554 AM - 7572 F

TORQUE WRENCH DREMOMETER A+S

Technical advantage/function:

- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: +/- 3% tolerance of scale set torque. The specification of the standard (+/- 4%) is exceeded.
- Lightweight and robust (as housing is made of an aluminium alloy), very workshop-friendly
- No inaccuracies whether used with both hands or held away from the handle (as for standard torque wrenches) Both the square drive and fulcrum are on an axis which ensures a high degree of user safety; can be extended to reduce the user's working load.
- Extremely low wear attributable to reduced forces in a unique lever mechanism
- Forged lever chain from our own quality forge
- Maximum precision even when subjected to extreme continuous use
- Long life cycles and tool lives
- Easy operation - fast and safe torque tightening
- Easy adjustment thanks to attractive adjusting button secured against loss at the end of the handle
- Single- and double-square drive for controlled bi-directional tightening
- **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

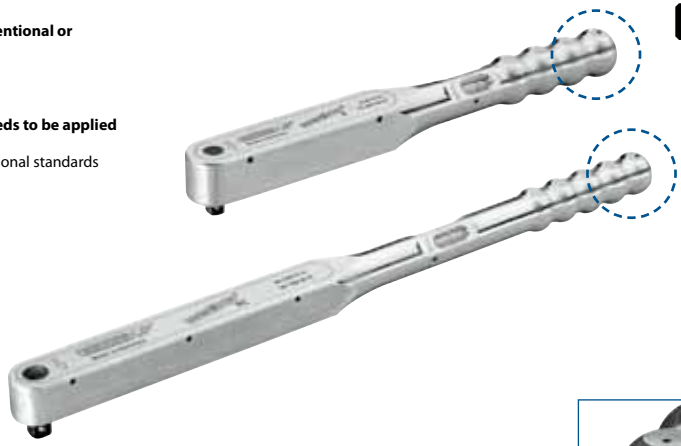
Use:

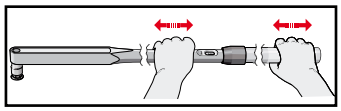
- Controlled screw tightening in the range 6 - 3000 N·m
- For use in almost all industrial manufacturing areas
- **Pre-set DREMOMETER for serial production wherever the same value always needs to be applied**

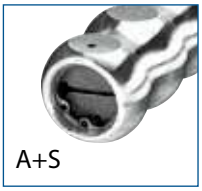
Features:

- With certificate acc. to DIN EN ISO 6789, traceable via in-house DKD laboratory to national standards
- Automatic short-path actuation with tactile impulse and audible signal
- Dual scale with corresponding scale graduation (see table)
- Type B, BC, C with push-button release

6,3 1/4" · 10 3/8" · 12,5 1/2" · 20 3/4" · 25 1" · 40 1 1/2"







Code	No.		Type	■"	■	N·m	lbf·in	lbf·ft		lw	a	b	c	d	e	f	
1210891	**7554-01**		AM A+S	1/4	6.3	6-30	50-270	-	1 N·m / 10 lbf·in	207	30	15.0	268	-	-	-	580
1210904	**7559-01**		AML A+S	1/4	6.3	6-30	50-270	-	1 N·m / 10 lbf·in	207	30	15.0	268	-	-	-	580
7708920	**7560-01**		A A+S	3/8	10.0	8-40	70-350	-	5 N·m / 50 lbf·in	263	30	17.5	338	-	-	-	1000
1210939	**7565-01**		AL A+S	3/8	10.0	8-40	70-350	-	5 N·m / 50 lbf·in	263	30	17.5	338	-	-	-	1000
7709060	**7561-01**		B A+S	1/2	12.5	20-120	-	15-90	5 N·m / 5 lbf·ft	374	30	17.5	462	-	-	-	1500
1210947	**7566-01**		BL A+S	1/2	12.5	20-120	-	15-90	5 N·m / 5 lbf·ft	374	30	17.5	462	-	-	-	1500
1211013	**7573-00**		BC A+S	1/2	12.5	40-200	-	30-150	5 N·m / 5 lbf·ft	463	30	17.5	551	-	-	-	1400
1427113	**7578-00**		BCL A+S	1/2	12.5	40-200	-	30-150	5 N·m / 5 lbf·ft	463	30	17.5	551	-	-	-	1300
7709650	**7562-10**		C A+S	1/2	12.5	50-300	-	35-220	5 N·m / 5 lbf·ft	529	30	17.5	617	-	-	-	2000
1210955	**7567-10**		CL A+S	1/2	12.5	50-300	-	35-220	5 N·m / 5 lbf·ft	529	30	17.5	617	-	-	-	2000
1210998	**7570-10**		CD A+S	3/4	20.0	80-360	-	60-260	5 N·m / 5 lbf·ft	624	30	22.5	717	-	-	-	2400
1211021	**7575-10**		CDL A+S	3/4	20.0	80-360	-	60-260	5 N·m / 5 lbf·ft	624	30	22.5	717	-	-	-	2400
1427164	**7574-10**		DS A+S	3/4	20.0	110-550	-	80-400	10 N·m / 10 lbf·ft	719	35	22.5	812	-	-	-	2900
1427148	**7579-10**		DSL A+S	3/4	20.0	110-550	-	80-400	10 N·m / 10 lbf·ft	719	35	22.5	812	-	-	-	2900
1210921	**7563-10**		D A+S	3/4	20.0	140-760	-	100-560	10 N·m / 10 lbf·ft	719	35	22.5	812	-	-	-	3200
1210971	**7568-10**		DL A+S	3/4	20.0	140-760	-	100-560	10 N·m / 10 lbf·ft	719	35	22.5	812	-	-	-	3200
1210912	**7563-01**		DR A+S	3/4	20.0	140-760	-	100-560	10 N·m / 10 lbf·ft	1297	35	22.5	812	1413	772	-	5000
1210963	**7568-01**		DRL A+S	3/4	20.0	140-760	-	100-560	10 N·m / 10 lbf·ft	1297	35	22.5	812	1413	772	-	5000
1211005	**7571-01**		DX A+S	3/4	20.0	520-1000	-	380-730	10 N·m / 10 lbf·ft	1297	35	22.5	812	1413	772	-	5600
1211048	**7576-01**		DXL A+S	3/4	20.0	520-1000	-	380-730	10 N·m / 10 lbf·ft	1297	35	22.5	812	1413	772	-	5600
2311321	**7581-01**		EK A+S	1	25.0	600-1500	-	-	50 N·m	1873	40	30.0	932	1608	925	-	10800
2311348	**7586-01**		EKL A+S	1	25.0	600-1500	-	-	50 N·m	1873	40	30.0	932	1608	925	-	10800
1547232	**7564-01**		E A+S	1	25.0	750-2000	-	-	50 N·m	1873	40	30.0	932	2353	772	745	11600
1547240	**7569-01**		EL A+S	1	25.0	750-2000	-	-	50 N·m	1873	40	30.0	932	2353	772	745	11600
1547259	**7572-01**		F A+S	1.1/2	40.0	1500-3000	-	-	50 N·m	2313	40	35.0	1025	2453	772	745	13200

Our service - qualified and customised

DKD

280 - 287

754

244

Deviant packing units see article description.

7460 Z - 7471 Z

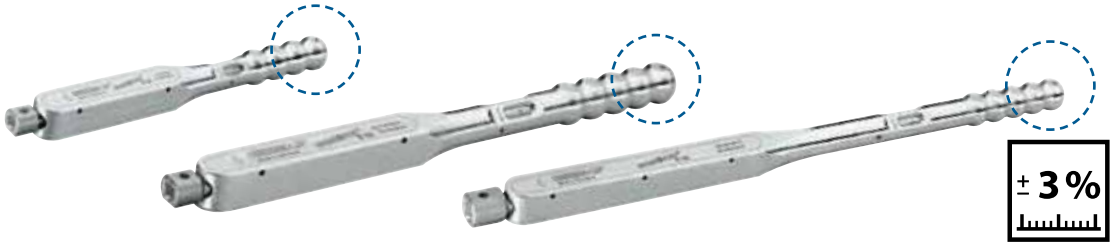
TORQUE WRENCH DREMOMETER Z A+S

± 3 %

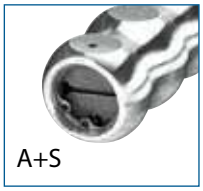
Code	No.	Type	Ø	N·m	lbf·in	lbf·ft		lwZ	lcZ	a	b	c	d	
1427067	**7460-01**	AZ A+S	16	8-40	70-350	-	5 N·m / 50 lbf·in	301	32	35	38	17	366	1000
1427075	**7461-01**	BZ A+S	16	20-120	-	15-90	5 N·m / 5 lbf·ft	412	32	35	38	17	490	1450
1225669	**7462-01**	CZ A+S	16	50-400	-	35-300	5 N·m / 5 lbf·ft	567	32	35	38	17	645	2000
1427083	**7463-10**	DZ A+S	22	140-620	-	105-450	10 N·m / 10 lbf·ft	768	56	45	49	18	846	3000
1521977	**7471-01**	DXZ A+S	28	520-1000	-	380-730	10 N·m / 10 lbf·ft	1231	75	45	57	18	1329	5500

7480 SE - 7482 SE

TORQUE WRENCH DREMOMETER SE A+S



± 3 %



Code	No.	Type	□mm	N·m	lbf·in	lbf·ft		lwSE	lcSE	a	b	c	d	
1427059	**7480-01**	A-SE A+S	9 x 12	8-40	70-350	-	5 N·m / 50 lbf·in	303	17.5	35	40	17	361	950
1427091	**7481-01**	B-SE A+S	9 x 12	20-120	-	15-90	5 N·m / 5 lbf·ft	414	17.5	35	40	17	485	1250
1427105	**7482-01**	C-SE A+S	14 x 18	50-400	-	35-300	5 N·m / 5 lbf·ft	579	25.0	35	50	17	649	1700

DREMOMETER TYP D ++

DREMOMETER TYP C +

++++

DREMOMETER TYP BC

++ DREMOMETER TYP DR

Deviant packing units see article description.

TORCOFIX K

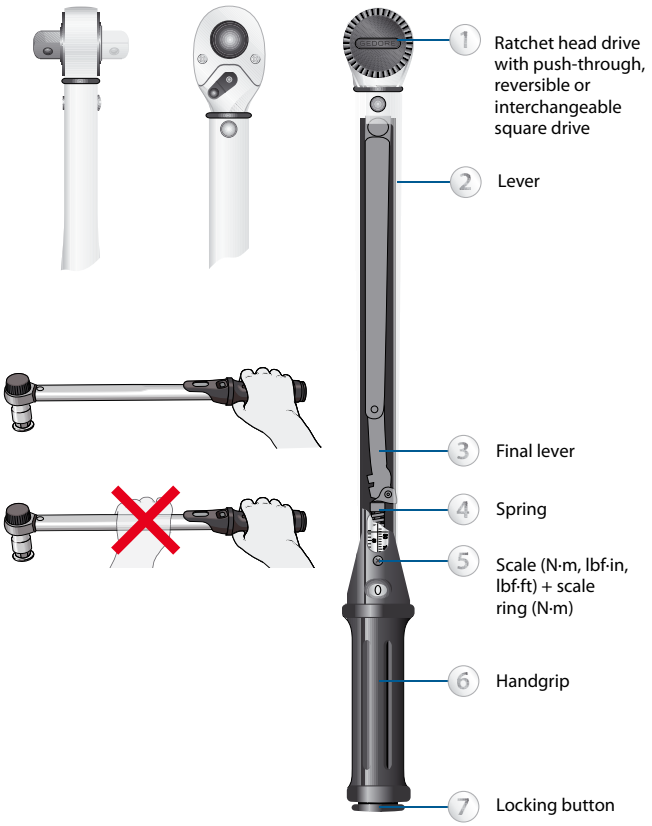
ROBUST TORQUE WRENCH WITH SQUARE DRIVE AND INTEGRATED RATCHET-HEAD FUNCTION FOR CONTROLLED BI-DIRECTIONAL TIGHTENING.

Working accuracy: +/- 3% tolerance of scale set torque. Includes test certificate according to DIN EN ISO 6789. Serial number on the wrench and on the certificate for unambiguous product identification, traceable to national standards.

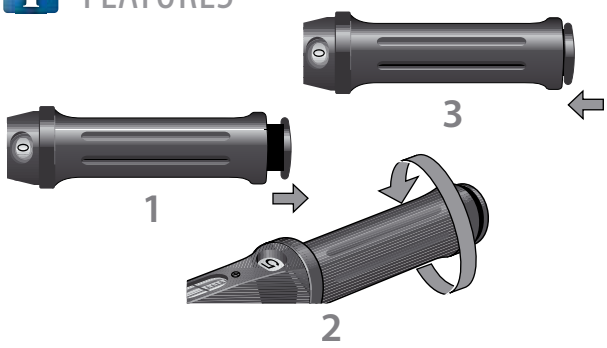
Robust steel tube: With high corrosion protection, chrome-plated, silk-metal.

Chrome-plated ratchet head: All 1/4" - 1/2" square drives of the TOROFIX 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.

MECHANICS



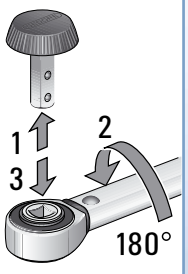
FEATURES



Pull out the locking button at the end of the handgrip and turn the handgrip in the clockwise or counter-clockwise direction in order to make the desired torque setting. Lock the locking button again. Finished!

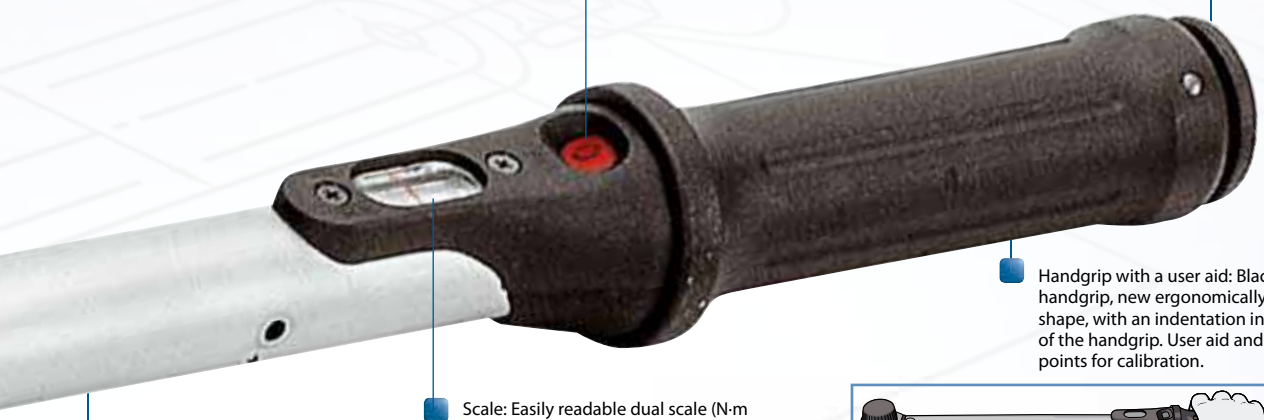
FUNCTION

In order to change the turning direction of the TORCOFIX K:
Press on the protruding square drive with your thumb and take out the mushroom head, turn the wrench and re-insert the square drive.

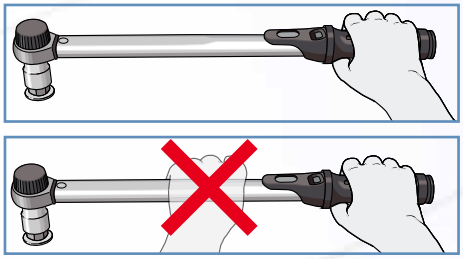


Micrometer scale: Optimised shape, stable scale frame with red-shaded micrometer scale ring. Model-independent intervals of 1; 0,5; 0,25; 0,1 or 0,025 N·m allow very accurate settings.

Ligthweight and reliable: Locking button enables reliable locking of the torque setting.



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.



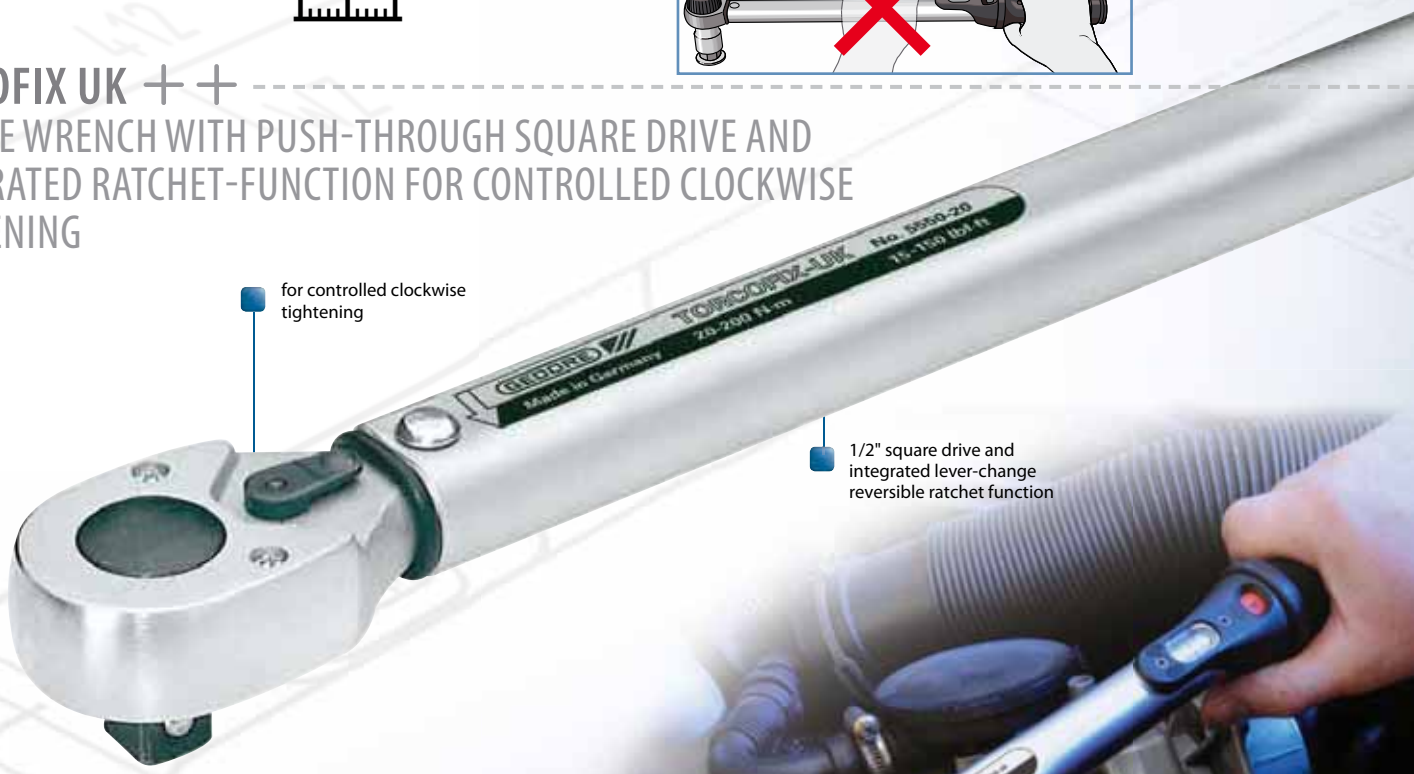
Automatic actuation: The TORCOFIX actuates with a clear tactile impulse and audible signal and is immediately ready for operation again.

Scale: Easily readable dual scale (N·m / lbf·in / lbf·ft) well protected under 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.

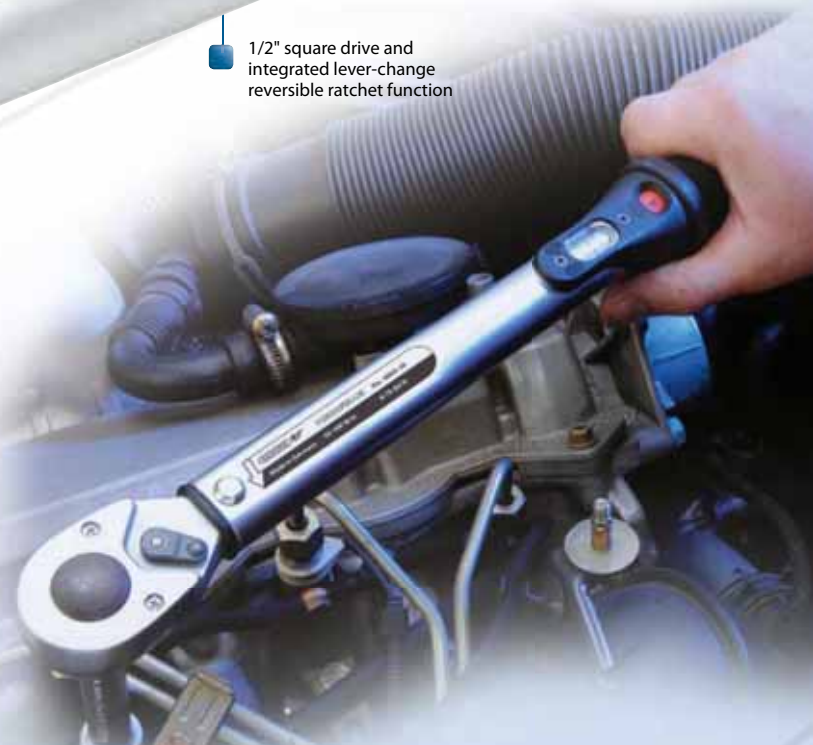
TORCOFIX UK ++

TORQUE WRENCH WITH PUSH-THROUGH SQUARE DRIVE AND INTEGRATED RATCHET-FUNCTION FOR CONTROLLED CLOCKWISE TIGHTENING

for controlled clockwise tightening

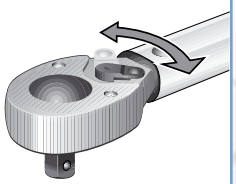


1/2" square drive and integrated lever-change reversible ratchet function



OPERATION

For the TORCOFIX UK: Switch the lever of the reversible ratchet to correspond with the desired direction, clockwise or counter-clockwise.



++ K ¼ - ¾
1-850 N·m

+ K US ¼ - ¾
10 lbf·in - 600 lbf·ft

+ UK ½
10-300 N·m

++ Z 16 22
2-850 N·m

+ SE 9x12 14x18
2-400 N·m

4549 - 6551

TORQUE WRENCH TORCOFIX K / UK / K US 1-850 N·m / 10 lbf·in - 630 lbf·ft

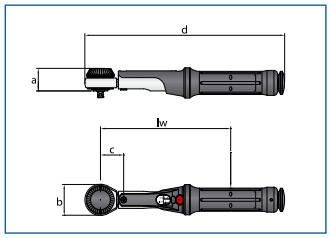
Use:

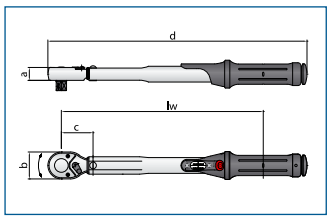
- Controlled screw tightening in the most widely used range of 1 - 850 N·m / 10 lbf·in - 630 lbf·ft
- For use in almost all industrial manufacturing areas

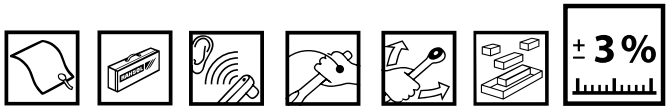
Features:

- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: +/- 3% tolerance of scale set torque. The specification of the standard (+/- 4%) is exceeded.
- Adjustable torque wrench with square drive and integrated ratchet function
- For controlled bi-directional tightening (type K, US), type UK (5550) only for controlled clockwise tightening
- 1/4", 3/8", 1/2" interchangeable mushroom head with ball locking device as per DIN 3120 - A 6.3, A 10 or A 12.5, similar to ISO 1174
- With 3/4" push-through square drive with pin-locking mechanism (from model no. 4550-40)
- With certificate acc. to DIN EN ISO 6789, traceable via in-house DKD laboratory to national standards
- Release system triggers a tactile and audible signal
- Sturdy, satin chrome-plated tubular steel design, with chrome-plated ratchet head and high-quality plastic parts
- Dual scale N·m and lbf·in / lbf·ft below a window with a magnifying glass effect
- Magnifying glass with marking for minimum paralaxe errors allows a high degree of safety when setting the requisite torque value
- Additional micrometre scale for setting interim values
- Ergonomically shaped, convenient black plastic handgrip
- With an indentation in the middle of the handgrip as a calibration aid
- TORCOFIX K US (6550 - 6551) - version for Angloamerican units

6,3 1/4"
10 3/8"
12,5 1/2"
20 3/4"







Code	No.	■ "	■	N·m	lbf·ft	لبسلبسا	scale ring	lw	a	b	c	d	
2201429	**4549-00**	1/4	6.3	1-5	0,75-3,7	0,25 N·m	0,025 N·m	146.0	25.3	35	26	224.0	323
1545132	**4549-02**	1/4	6.3	2-25	1,5-18	1 N·m	0,1 N·m	206.5	24.0	35	26	284.5	450
1545140	**4549-05**	3/8	10.0	5-50	3,5-37	2,5 N·m	0,25 N·m	256.5	24.0	35	26	334.5	540
7601530	**4550-10**	1/2	12.5	10-100	8-75	5 N·m	0,5 N·m	303.5	33.0	44	35	394.0	900
7601610	**4550-20**	1/2	12.5	20-200	15-150	10 N·m	1 N·m	394.5	33.0	44	35	485.0	1100
7601880	**4550-30**	1/2	12.5	60-300	45-220	10 N·m	1 N·m	485.5	33.0	46	35	577.0	1400
7674330	**4550-40**	3/4	20.0	75-400	55-300	10 N·m	1 N·m	572.5	31.0	69	52	686.0	2000
7674760	**4550-55**	3/4	20.0	100-550	75-405	10 N·m	1 N·m	853.0	31.0	69	52	956.5	3800
1521365	**4550-75**	3/4	20.0	140-750	105-550	10 N·m	1 N·m	1,133.0	31.0	69	327	1,236.0	4800
1950525	**4551-85**	3/4	20.0	250-850	185-630	10 N·m	1 N·m	1,276.0	31.0	69	1276	1,379.0	4700

Code	No.	■ "	■	N·m	lbf·ft	لبسلبسا	scale ring	lw	a	b	c	d	
1210467	**5550-10**	1/2	12.5	10-100	8-75	5 N·m	0,5 N·m	318.2	22.0	43	50	409.0	1000
1210475	**5550-20**	1/2	12.5	20-200	15-150	10 N·m	1 N·m	409.2	22.0	43	50	500.0	1200
1210483	**5550-30**	1/2	12.5	60-300	45-220	10 N·m	1 N·m	500.2	22.0	43	50	591.0	1400

Code	No.	■ "	■	N·m	lbf·in	lbf·ft	لبسلبسا	scale ring	lw	a	b	c	d	
1956744	**6550-01**	1/4	6.3	1,1-5,6	10-50		2,5 lbf·in	0,25 lbf·in	140.0	24.0	35	26	220.0	300
1956752	**6550-02**	1/4	6.3	2-11	20-100		5 lbf·in	0,5 lbf·in	140.0	24.0	35	26	220.0	300
1956779	**6550-05**	3/8	10.0	6-28	50-250		10 lbf·in	1 lbf·in	230.0	33.0	43	35	307.0	800
1956787	**6550-15**	3/8	10.0	17-113	150-1000		50 lbf·in	5 lbf·in	303.5	33.0	44	35	394.0	900
1956795	**6551-07**	3/8	10.0	10-68		7-50	2,5 lbf·ft	0,25 lbf·ft	303.5	33.0	44	35	394.0	900
1956817	**6551-10**	1/2	12.5	15-102		10-75	2,5 lbf·ft	0,25 lbf·ft	303.5	33.0	44	35	394.0	900
1956833	**6551-30**	1/2	12.5	40-205		30-150	5 lbf·ft	0,5 lbf·ft	394.5	33.0	44	35	485.0	1100
1956841	**6551-60**	3/4	20.0	81-407		60-300	10 lbf·ft	1 lbf·ft	572.5	31.0	69	52	686.0	2000
1956868	**6551-120**	3/4	20.0	163-810		120-600	10 lbf·ft	1 lbf·ft	1,133.0	31.0	69	327	1,236.0	4500

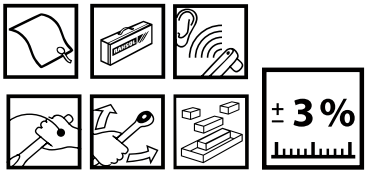
Deviant packing units see article description.

4549-G - 4550-G

TORQUE WRENCH SET TORCOFIX K 1-400 N·m / 0.75-300 lbf·ft

- The TORCOFIX K as a practical tool set
- Most-widely-used tools in a robust sheet-metal case
- Clearly organised - everything always ready to hand
- With foam-material inlay modules (on request, these can be customised or extended individually)

6,3 10 12,5 | 1/4" 3/8" 1/2"



Code	No.	■"	■	Contents	N·m	lbf·ft		
2312646	**4549-G00**	1/4	6.3	No. 4549-00 - in sheet-metal case 7 8 10 13 55 mm and 1/4" square drive	1-5	0,75-3,7	0,25 N·m	3.0
1547003	**4549-G02**	1/4	6.3	No. 4549-02 - in sheet-metal case 7 8 10 13 55 mm and 1/4" square drive	2-25	1,5-18	1 N·m	3.2
1547011	**4549-G05**	3/8	10.0	No. 4549-05 - in sheet-metal case 8 10 13 17 125 mm and 3/8" square drive	5-50	3,5-37	2,5 N·m	3.5
1547038	**4550-G10**	1/2	12.5	No. 4550-10 - in sheet-metal case 10 13 17 19 24 125 mm and 1/2" square drive	10-100	8-75	5 N·m	4.3
1547046	**4550-G20**	1/2	12.5	No. 4550-20 - in sheet-metal case 10 13 17 19 24 125 mm and 1/2" square drive	20-200	15-150	10 N·m	5.5
1547062	**4550-G30**	1/2	12.5	No. 4550-30 - in sheet-metal case 17 19 24 27 125 mm and 1/2" square drive	60-300	45-220	10 N·m	5.6
1547070	**4550-G40**	3/4	20.0	No. 4550-40 - in sheet-metal case 18 19 24 27 200 mm and 3/4" square drive	75-400	55-300	10 N·m	6.0

4550

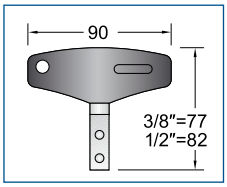
QUICK-TURN WITH T-GRIP DREH-FIX TORCOFIX K

Use:
- For TORCOFIX 4550
- Enables controlled torque tightening in combination with a TORCOFIX K
- Very quick pre-tightening, following the torque wrench makes the final work

Inclusion:
- Made of chrome-vanadium steel
- With T-grip made of polypropylene (PPN)
- Scarred grip
- With 3/8" or 1/2" square drive with ball locking device
- 4550-80 1/2" = 340 N·m
- 4550-81 3/8" = 135 N·m

Scope of delivery:
- Quick-Turn
- Single packed in poly-bag

10 | 3/8" 12,5 | 1/2"



Code	No.	□"	□	■"	■	
7604390	**4550-80**	1/2	12.5	1/2	12.5	100
7604470	**4550-81**	1/2	12.5	3/8	10.0	100

4549 - 4550

MUSHROOM HEAD / SQUARE DRIVE TORCOFIX K

Use:
- Interchangeable square drive (mushroom head) for TORCOFIX K

Features:
- Made of chrome-vanadium steel, zinc-plated
- With black mushroom head made of polypropylene (PPN)
- With 1/4", 3/8" or 1/2" output square drive with ball locking device

Scope of delivery:
- Square drive (mushroom head)
- Single packed in poly-bag

6,3 | 1/4" 10 | 3/8" 12,5 | 1/2"

Code	No.	Description	□"	□	■"	■	Ø mm	
1545167	**4549-87S**	Mushroom head 3/8-1/4"	3/8	10.0	1/4	6.3	35	21
1566385	**4549-88S**	Mushroom head 3/8"	3/8	10.0	3/8	10.0	35	22
7079370	**4550-85S**	Mushroom head 1/2"	1/2	12.5	1/2	12.5	44	60
7079450	**4550-86S**	Mushroom head 1/2-3/8"	1/2	12.0	3/8	10.0	44	60
6279090	**3294**	Coupler 3/4"	3/4	20.0	3/4	20.0		133

277

280 - 287


279

Deviant packing units see article description.

4400 - 4475

TORQUE WRENCH TORCOFIX Z 2-850 N·m / 1,5-630 lbf·ft

Use:

- Controlled screw tightening in the most widely used range of 2 - 750 N·m / 1.5 - 550 lbf·ft
- For use in almost all industrial manufacturing areas

Features:

- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: +/- 3% tolerance of scale set torque. The specification of the standard (+/- 4%) is exceeded.
- Adjustable torque wrench with spigot end
- For controlled bi-directional tightening
- With certificate acc. to DIN EN ISO 6789, traceable via in-house DKD laboratory to national standards
- Release system triggers a tactile and audible signal
- Sturdy, satin chrome-plated tubular steel design and high-quality plastic parts
- Dual scale N·m and lbf·ft below a window with a magnifying-glass effect
- Magnifying glass with marking for minimum paralaxe errors allows a high degree of safety when setting the requisite torque value
- Additional micrometre scale for setting interim values
- Ergonomically shaped black plastic handgrip
- With an indentation in the middle of the handgrip as a calibration aid
- Factory depth gauges: 32 mm (16) or 56 mm (22)
- Operation only with end fittings with standardised depth gauges, otherise inaccuracies can arise
- Depending on the application, access is possible from the front (e.g. open-end fitting) or side (e.g. reversible ratchet and socket)

16

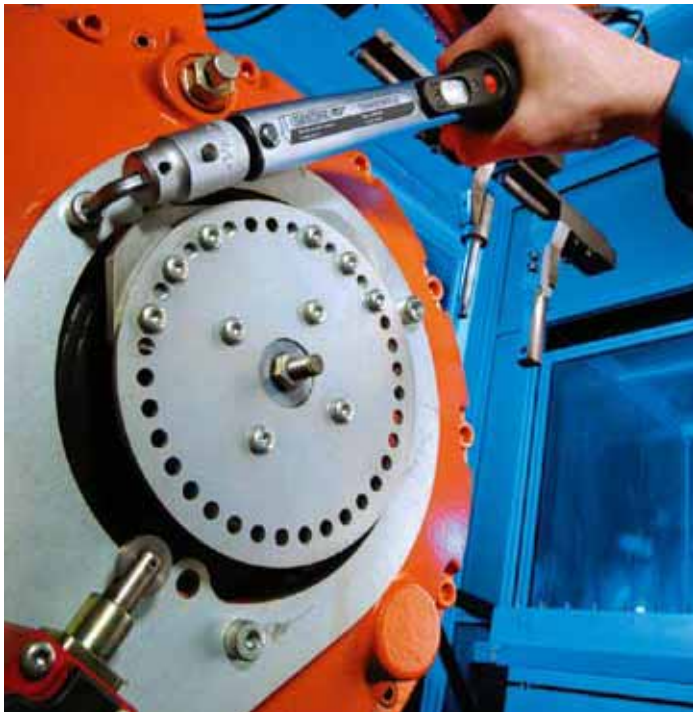
22

± 3 %

Code	No.	Ø	N·m	lbf·ft		scale ring	lwZ	lcZ	a	b	c	
1646168	**4400-02**	16	2-25	1,5-18	1 N·m	0,1 N·m	211.0	32	20.0	30	279.0	330
1646176	**4405-05**	16	5-50	3,5-37	2,5 N·m	0,25 N·m	261.0	32	20.0	30	329.0	390
7097270	**4410-01**	16	10-100	8-75	5 N·m	0,5 N·m	300.5	32	27.5	32	376.5	700
7097350	**4420-01**	16	20-200	15-150	10 N·m	1 N·m	391.5	32	27.5	32	467.5	860
7097430	**4430-01**	16	60-300	45-220	10 N·m	1 N·m	482.5	32	27.5	32	558.5	1080
7094090	**4440-01**	16	75-400	55-300	10 N·m	1 N·m	569.5	32	35.0	32	645.5	1390
7501310	**4450-01**	22	100-550	75-400	10 N·m	1 N·m	843.0	56	36.6	37	921.0	3000
1521381	**4475-01**	22	140-750	105-550	10 N·m	1 N·m	1,124.0	56	38.0	318	1,202.0	4060
1997009	**4485-01**	22	250-850	185-630	10 N·m	1 N·m	1,267.0	56	38.0	465	1,345.0	4430

Technical information Z

- The large cross-section of the spigot end transfers a maximum torque. "Quick-fitting-change-system" with a locking pin mechanism guarantees that work takes place flexibly and rapidly.
- Ideal for bolted connections in cramped and hard-to-access locations. Depending on how the DREMOMETER Z is used, it is possible to work both in the forward direction and also to the side.



- On request, all torque wrenches can be factory pre-set.
- When ordering, please specify the N·m value.

Deviant packing units see article description.

4400-G - 4440-G

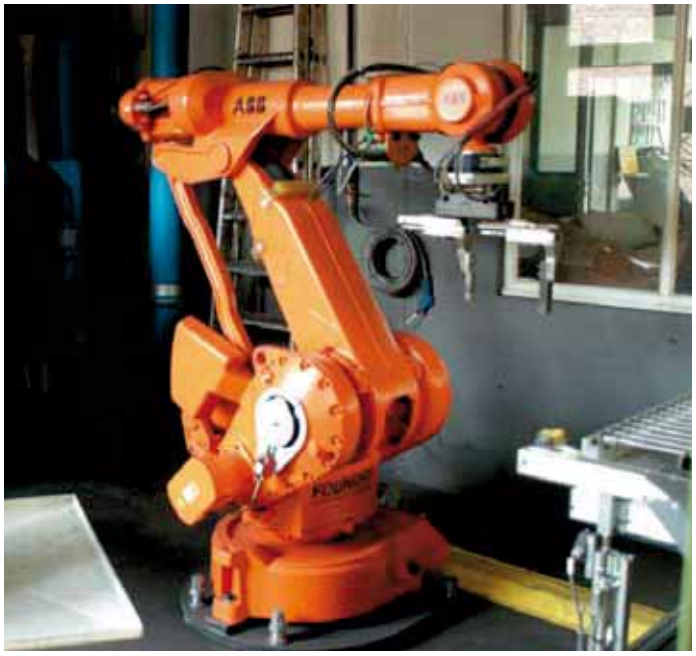
TORQUE WRENCH SET TORCOFIX Z 2-400 N·m / 1,5-300 lbf·ft

- The TORCOFIX Z as a practical tool set
- Most-widely-used tools in a robust sheet-metal case
- Clearly organised - everything always ready to hand
- With foam-material inlay modules (on request, these can be customised or extended individually)

16

± 3 %

Code	No.	Ø	Contents	N·m	lbf·ft		
1663259	**4400-G02**	16	No. 4400-02 - in sheet-metal case 10 13 17 10 13 17 and ½-ratchet head	2-25	1,5-18	1 N·m	3.0
1663267	**4405-G05**	16	No. 4405-05 - in sheet-metal case 10 13 17 10 13 17 and ½-ratchet head	5-50	3,5-37	2,5 N·m	3.3
1547186	**4410-G01**	16	No. 4410-01 - in sheet-metal case 17 19 24 17 19 24 and ½-ratchet head	10-100	8-75	5 N·m	4.3
1547194	**4420-G01**	16	No. 4420-01 - in sheet-metal case 17 19 24 17 19 24 and ½-ratchet head	20-200	15-150	10 N·m	5.6
1547208	**4430-G01**	16	No. 4430-01 - in sheet-metal case 24 27 30 32 24 27 and ½-ratchet head	60-300	45-220	10 N·m	6.3
1547216	**4440-G01**	16	No. 4440-01 - in sheet-metal case 24 27 30 32 24 27 and ½-ratchet head	75-400	55-300	10 N·m	6.6



8791 - 8797

16

264 - 267

1220-00

279

8600 - 8660

272 - 275

Deviant packing units see article description.

4100 - 4301

TORQUE WRENCH TORCOFIX SE 2-400 N·m / 1.5-300 lbf·ft

Use:

- Controlled screw tightening in the most widely used range of 2 - 400 N·m / 1.5 - 300 lbf·ft
- For use in almost all industrial manufacturing areas

Features:

- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: +/- 3% tolerance of scale set torque. The specification of the standard (+/- 4%) is exceeded.
- Adjustable torque wrench with rectangular cavity
- For controlled bi-directional tightening
- With certificate acc. to DIN EN ISO 6789, traceable via in-house DKD laboratory to national standards
- Release system triggers a tactile and audible signal
- Sturdy, satin chrome-plated tubular steel design and high-quality plastic parts
- Dual scale N·m and lbf·ft below a window with a magnifying glass effect. Magnifying glass with marking for minimum paralaxe errors allows a high degree of safety when setting the requisite torque value
- Additional micrometre scale for setting interim values
- Ergonomically shaped, convenient black plastic handgrip
- With an indentation in the middle of the handgrip as a calibration aid
- Factory depth gauges: 17.5 mm (9x12) or 25 mm (14x18)
- Operation only with end fittings with standardised depth gauges, otherwise inaccuracies can arise
- Depending on the application, access is possible from the front (e.g. rectangular open-end fitting) or side (e.g. reversible ratchet and socket)

9x12
14x18

± 3 %

Code	No.	□ mm	N·m	lbf·ft	ىسلسل	scale ring	lwSE	lcSE	a	b	c	
1646192	**4101-02**	9 x 12	2-25	1,5-18	1 N·m	0,1 N·m	213.0	17.5	20.0	32	274.0	300
1646206	**4101-05**	9 x 12	5-50	3,5-37	2,5 N·m	0,25 N·m	263.0	17.5	20.0	32	324.0	450
7600210	**4100-01**	9 x 12	10-100	8-75	5 N·m	0,5 N·m	300.5	17.5	27.5	32	369.5	600
1654934	**4200-02**	9 x 12	20-150	15-110	10 N·m	1 N·m	391.5	17.5	27.5	32	460.5	800
7600990	**4201-01**	14 x 18	20-200	15-150	10 N·m	1 N·m	401.5	25.0	27.5	42	470.5	900
7601020	**4300-01**	14 x 18	60-300	45-220	10 N·m	1 N·m	492.5	25.0	27.5	42	561.5	1200
7604120	**4301-01**	14 x 18	75-400	55-300	10 N·m	1 N·m	579.5	25.0	35.0	42	648.5	1600

DKD

286 - 287

8612-300

277

1220-00

279

- On request, all torque wrenches can be factory pre-set.
- When ordering, please specify the N·m value.

7112 - 7918

268 - 269

8600

272

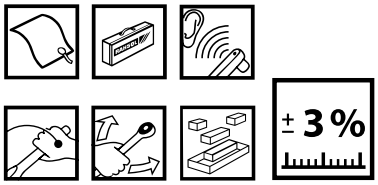
Deviant packing units see article description.

4100-G - 4301-G

TORQUE WRENCH SET TORCOFIX SE 2-400 N·m / 1.5-300 lbf·ft

- The TORCOFIX SE as a practical tool set
- Most-widely-used tools in a robust sheet-metal case
- Clearly organised - everything always ready to hand
- With foam-material inlay modules (on request, these can be customised or extended individually)

9x12
14x18



Code	No.	□mm	Contents	N·m	lbf·ft		
1663224	**4101-G02**	9 x 12	No. 4101-02 - in a sheet-metal case 10 13 17 10 13 17 and ½-ratchet head	2-25	1,5-18	1 N·m	3.0
1663232	**4101-G05**	9 x 12	No. 4101-05 - in a sheet-metal case 10 13 17 10 13 17 and ½-ratchet head	5-50	3,5-37	2,5 N·m	3.3
1547100	**4100-G01**	9 x 12	No. 4100-01 - in a sheet-metal case 13 17 19 13 17 19 and ½-ratchet head	10-100	8-75	5 N·m	3.8
1663240	**4200-G02**	9 x 12	No. 4200-02 - in a sheet-metal case 13 17 19 13 17 19 and ½-ratchet head	20-150	15-110	10 N·m	5.5
1547127	**4201-G01**	14 x 18	No. 4201-01 - in a sheet-metal case 17 19 24 17 19 24 and ½-ratchet head	20-200	15-150	10 N·m	6.2
1547135	**4300-G01**	14 x 18	No. 4300-01 - in a sheet-metal case 24 30 32 24 30 32 36 and ½-ratchet head	60-300	45-220	10 N·m	6.4
1547143	**4301-G01**	14 x 18	No. 4301-01 - in a sheet-metal case 24 30 32 24 30 32 36 and ½-ratchet head	75-400	55-300	10 N·m	6.6

TORCOFIX FS

4150 - 4151

TORQUE WRENCH FOR PRE-SETTING TORCOFIX FS 2-200 N·m

Use:

- Controlled screw tightening in the most widely used range of 2 - 200 N·m without scale
- For use in almost all industrial serial manufacturing areas

Features:

- Classified to DIN EN ISO 6789:2003 Type II Class B, with a factory certificate. Working accuracy: +/- 3% tolerance of scale set torque. The specification of the standard (+/- 4%) is exceeded.
- Pre-set torque wrench with rectangular cavity
- For controlled bi-directional tightening
- With certificate acc. to DIN EN ISO 6789, traceable via in-house DKD laboratory to national standards
- Release system triggers a tactile and audible signal
- Robust, satin chrome-plated tubular steel construction
- Factory depth gauges: 17.5 mm (9x12) or 25 mm (14x18)
- Operation only with end fittings with standardised depth gauges, otherwise inaccuracies can arise
- Depending on the application, access is possible from the front (e.g. rectangular open-end fitting) or side (e.g. reversible ratchet and socket)
- If a factory setting is required, please specify the N·m value on the order

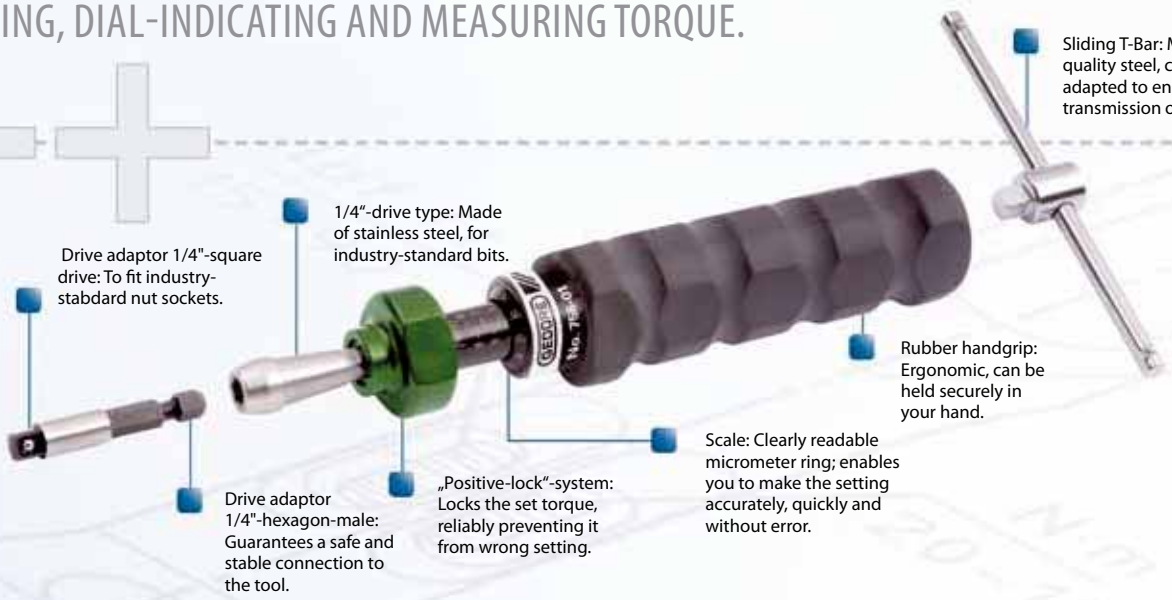
9x12
14x18

Code	No.	□mm	N·m min / max	lwFS	lcFS	a	b	c	
7601960	**4150-25**	9 x 12	2 / 25	134	17.5	22	31	186	210
7602180	**4150-50**	9 x 12	5 / 50	194	17.5	22	31	246	270
7602850	**4150-85**	9 x 12	15 / 85	277	17.5	22	31	329	340
7603580	**4151-20**	14 x 18	20 / 200	354	25.0	33	42	407	750

Deviant packing units see article description.

TORQUE SCREWDRIVERS 756

A RANGE OF COMPACT AND VERSATILE TORQUE SCREWDRIVERS WITH AUTOMATICALLY ACTUATING, DIAL-INDICATING AND MEASURING TORQUE.



TORQUE SCREWDRIVER TECHNICAL FEATURES

Type FS 755
Pre-set torque screwdriver without scale for durable and identical value tightening
Auto setting
Bidirectional
Anodised aluminium handgrip

Type 756
Adjustable torque screwdriver with micrometer scale
"Positive-lock"-system
Drive type made of stainless steel
Auto setting
Bidirectional
Non-slip rubber handgrip
EPA > see product

Type S 757
Adjustable torque screwdriver with micrometer scale
Auto setting
Bidirectional
Anodised aluminium handgrip

Type SP 758
Dial-indicating torque screwdriver with dual scale
Locking of maximum values / maximum value-display
Bidirectional
Anodised aluminium handgrip
EPA > see product

Scope of delivery
We supply a 1/4"-1/4"-drive adaptor with all models
To make work easier, a sliding or removable T-bar is included with several models

Special models
Optionally, all torque screwdrivers are also available with a 1/4" male square drive spindle.
Apart from that: Torque screwdrivers for the medical "clean-room" area are available on request.

685 690

222

20 IN 20

152 - 155

755

TORQUE SCREWDRIVER TYPE FS 0.02-13.6 N·m

Use:
- Controlled screw tightening in the range 0.02 N·m - 13.6 N·m
- Serial manufacture with constant tightening value
- Electronic industry, precision mechanics and industrial manufacturing

Features:
- Pre-set torque screwdriver without a scale
- With 1/4" female hexagon drive for use with 1/4" hexagon bits as per DIN 3126 - C 6.3
- With adaptor also suitable for 1/4" square drive sockets as per DIN 3124
- Working accuracy: +/- 6% tolerance of the set torque
- Acc. to DIN EN ISO 6789, traceable to national standards
- Precision radial ball clutch and cam design for controlled bi-directional tightening
- Precision mechanism slips very noticeably through when the set torque is reached
- Automatic resetting to the starting position
- 5 models in the range 0.02 N·m to 13.6 N·m
- Lightweight construction by virtue of anodised aluminium handgrips
- The pre-setting can be made at the factory or by the user on suitable torque testers
- If ordering, please specify the N·m value - if a fixed factory setting is desired (price on request)

Scope of delivery:
- Torque screwdriver type 755
- 1/4" square/hexagon drive adaptor (no. 757-20)
- Model 755-05 with additional removable T-bar - for ease of use
- Test certificate acc. to DIN EN ISO 6789
- Delivered in sturdy cardboard packaging

Code	No.	⎔ "	⎔	■ "	■	cN·m	N·m	mm	Colour	
1471481	**755-01**	1/4	6.3	1/4	6.3	2-22		76	red	50
1471473	**755-02**	1/4	6.3	1/4	6.3	0,5-22		104	gold	72
1471465	**755-03**	1/4	6.3	1/4	6.3	2-135		111	blue	210
1471457	**755-04**	1/4	6.3	1/4	6.3	6-406		127	green	280
1228501	**755-05**	1/4	6.3	1/4	6.3		1-13,6	137	black	325

757

TORQUE SCREWDRIVER TYPE S 0.2-9 N·m

Use:
- Controlled screw tightening in the range 20 cN·m - 9 N·m
- High-speed, controlled tightening enables serial production
- Electrical and electronic hardware industry, instrument-making industry and industrial manufacturing or in quality control

Features:
- Adjustable torque screwdriver with scale
- With 1/4" female hexagon drive for use with 1/4" hexagon bits as per DIN 3126 - C 6.3
- With adaptor also suitable for 1/4" square drive sockets as per DIN 3124
- Working accuracy: +/- 6% tolerance of the set torque
- Acc. to DIN EN ISO 6789, traceable to national standards
- Precision radial ball clutch and cam design for controlled bi-directional tightening
- Precision mechanism slips very noticeably through when set torque is reached
- Automatic resetting to the starting position
- Locking of the value by means of an adjusting knob
- 3 models in the range 20 cN·m to 9 N·m
- Micrometer scale graduation: 1 cN·m / 0.1 N·m
- Lightweight construction by virtue of anodised aluminium handgrips

Scope of delivery:
- Torque screwdriver type 757
- 1/4" square/hexagon drive adaptor (no. 757-20)
- Models 757-06/-09 with additional sliding T-bar (no. 757-21) - for ease of use
- Test certificate acc. to DIN EN ISO 6789
- Delivered in sturdy cardboard packaging

Code	No.	⎔ "	⎔	■ "	■	cN·m	N·m	mm	Colour	
7718050	**757-01**	1/4	6.3	1/4	6.3	20-120		169	1,0 cN·m	black	165
7718130	**757-06**	1/4	6.3	1/4	6.3		1-6	184	0,1 N·m	red	400
7718210	**757-09**	1/4	6.3	1/4	6.3		4-9	184	0,1 N·m	green	400

756

TORQUE SCREWDRIVER TYPE S 0.05-9 N·m

Use:
- Controlled screw tightening in the range 0.05 - 9 N·m
- High-speed, controlled tightening enables serial production
- Electrical and electronic hardware industry, instrument-making industry and industrial manufacturing or in quality control

Features:
- Adjustable torque screwdriver - with scale
- With 1/4" female hexagon drive for use with 1/4" hexagon bits as per DIN 3126 - C 6.3
- With adapter also suitable for 1/4" square drive sockets as per DIN 3124
- Actuation accuracy: +/- 6% tolerance of the set value
- Acc. to DIN EN ISO 6789, traceable to national standards
- Precision radial ball clutch and cam design for controlled bi-directional tightening
- Precision mechanism slips very noticeably through when the set torque is reached
- Automatic resetting to the starting position
- "Positive-Lock" system automatically fixes the set value preventing it from wrong setting.
- 4 models in the range 0.05 N·m to 9 N·m
- Micrometre scaling: 1 cN·m and 0.1 N·m
- Very convenient, lightweight and non-slip rubber handgrip
- EPA-conformant (Electrostatic Protected Area), for use in sensitive electrostatic applications

Scope of delivery:
- Torque wrench type 756
- 1/4" square/hexagon drive adapter (no. 757-20)
- Models 756-06/-09 with additional sliding T-bar (no. 757-21) - for ease of use
- Test certificate acc. to DIN EN ISO 6789
- Delivered in sturdy cardboard packaging

Code	No.	⎔ "	⎔	■ "	■	cN·m	N·m	mm		Colour	
1498738	**756-00**	1/4	6.3	1/4	6.3	5-40		159	1 cN·m	silver	124
1400150	**756-01**	1/4	6.3	1/4	6.3	20-120		183	1 cN·m	blue	165
1400169	**756-06**	1/4	6.3	1/4	6.3		1-6	196	0,1 N·m	red	340
1400177	**756-09**	1/4	6.3	1/4	6.3		4-9	196	0,1 Nm	green	340

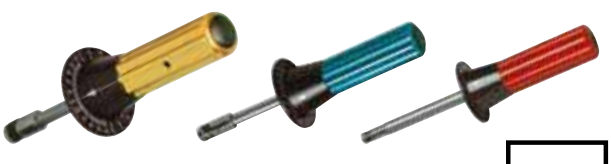
758

TORQUE SCREWDRIVER TYPE SP 10-500 cN·m / 14 ozf·in - 40 lbf·in

Use:
- In the torque range 10 cN·m - 500 cN·m
- For test and installation work in the electrical and electronic hardware industry, instrument-making industry and industrial manufacturing or in quality control

Features:
- Dial-indicating torque and test screwdriver - with dual scale (cN·m/ozf·in/lbf·in)
- With 1/4" female hexagon drive for use with 1/4" hexagon bits as per DIN 3126 - C 6.3
- With adapter also suitable for 1/4" square drive sockets as per DIN 3124
- Display accuracy: +/- 6% tolerance of the indicated value
- Acc. to DIN EN ISO 6789, traceable to national standards
- For controlled bi-directional tightening
- With slave-pointer function
- For locking of maximum values / maximum-value display
- 4 models in the range 10 cN·m to 500 cN·m
- Lightweight construction by virtue of anodised aluminium handgrips
- EPA-conformant (Electrostatic Protected Area), for use in sensitive electrostatic applications

Scope of delivery:
- Torque screwdriver type 758
- 1/4" square/hexagon drive adapter (no. 757-20)
- Models 758-25/-50 with additional sliding T-bar (no. 757-21) - for ease of use
- Test certificate acc. to DIN EN ISO 6789
- Delivered in sturdy cardboard packaging



Code	No.	⎔ "	⎔	■ "	■	cN·m	ozf·in / lbf·in	mm		Colour	
7096380	**758-05**	1/4	6.3	1/4	6.3	10-50	14-70 ozf·in	178	2 cN·m / 2 ozf·in	gold	190
7096460	**758-10**	1/4	6.3	1/4	6.3	20-100	28-140 ozf·in	178	5 cN·m / 5 ozf·in	blue	190
7096540	**758-25**	1/4	6.3	1/4	6.3	50-250	4-20 lbf·in	250	10 cN·m / 0,5 lbf·in	red	465
7096620	**758-50**	1/4	6.3	1/4	6.3	100-500	8-40 lbf·in	250	20 cN·m / 1 lbf·in	green	465

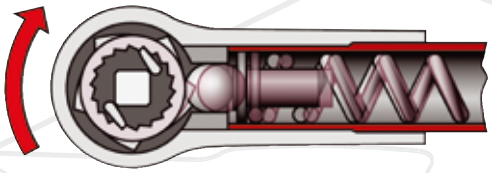
Deviant packing units see article description.

TSN SLIPPER

Pre-set ratchet head torque wrench with automatic actuation and slip function. Over-tightening is not possible.

TSN SLIPPER 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.



759

TORQUE WRENCH TSN SLIPPER 3-125 N·m

Use:
- Controlled screw tightening in the range 3 N·m - 125 N·m
- Serial / production-line assembling
- Extremely long-term work

Features:
- Pre-set production torque wrench - without scale
- 1/4", 3/8" or 1/2" square drive with ball locking device
- With integrated ratchet-function for controlled clockwise tightening
- Working accuracy: +/- 4% tolerance of the set torque
- Acc. to DIN EN ISO 6789, traceable to national standards
- Precision mechanism slips very noticeably and audibly ("click") when the pre-set value is achieved - over-tightening is not possible
- Automatic resetting to the starting position
- 4 models in the range 3 N·m to 125 N·m
- Lightweight yet robust and corrosion-resistant construction design
- Very convenient non-slip rubber handgrip
- The pre-setting can be made at the factory or by the user on suitable torque testers
- If ordering, please specify the N·m value - if a factory pre-setting is desired (price on request)

Scope of delivery:
- Torque wrench type TSN SLIPPER
- Special adjusting key for changing the pre-set torque value
- Test certificate acc. to DIN EN ISO 6789
- Delivered in sturdy cardboard packaging

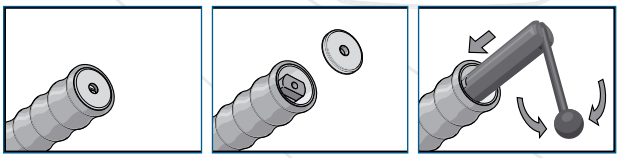
6,3 1/4" 10 3/8" 12,5 1/2"

Code	No.	■ "	■	N·m	⟷ mm ⟷	Cams per turn	
7091900	**759-00**	1/4	6.3	3-25	216	10	340
7092040	**759-01**	3/8	10.0	3-25	216	10	340
7092120	**759-02**	3/8	10.0	15-55	324	10	800
7092200	**759-03**	1/2	12.5	40-125	460	8	1360

± 4 %

TSN SLIPPER TBN BREAKER Technical information

All TSN Slippers and TBN Breaker torque wrenches (apart from 760-00/-01) are fitted with the patented "Mechanical Torque Adjustment Locking Device" to modify torque tester.



www.gedore.com

Deviant packing units see article description.

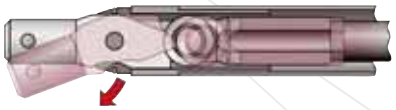
TBN KNICKER

Pre-set torque wrench with automatic snap actuation. Torque wrench offering maximum accuracy. Guaranteed tightening values without over-tightening.

As an option, we also manufacture the TBN KNICKER models 760-00/-01 with exchangeable fittings directly positioned on the tool.

TBN BREAKER 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.



TBN KNICKER Technik

TBN KNICKER 760-00/-01 values are changed using the "Double Positive" adjustment system.

760

BREAKING TORQUE WRENCH TBN 0.2-135 N·m / 1.8-1195 lbf·in

Use:
- Controlled screw tightening in the range 0.2 - 135 N·m
- Serial / production-line assembling
- Extremely long-term work

Features:
- Pre-set production torque wrench - without scale
- With 9x12 mm rectangular-cavity-end or 16 mm spigot-end
- For bi-directional tightening (the wrench only has to be turned by 180°!)
- Working accuracy: +/- 4% tolerance of the set torque
- Acc. to DIN EN ISO 6789, traceable to national standards
- Breaking of the handgrip by 20° (90° also possible in the case of no. 760-00/-01) when the pre-set torque value is achieved makes over-tightening unlikely
- Automatic resetting to the starting position
- 8 models in the range 0.2 to 135 N·m
- Lightweight yet robust and corrosion-resistant construction design
- Very convenient non-slip rubber handgrip
- No. 760-00/-01: EPA (Electrostatic Protected Area) compliant
- The pre-setting can be made at the factory or by the user on suitable torque testers
- If ordering, please specify the N·m value - if a fixed factory pre-setting is desired (price on request)

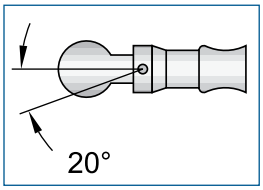
Scope of delivery:
- TBN breaking torque wrench
- Adjusting tool for changing the pre-set torque value
- Test certificate acc. to DIN EN ISO 6789
- Delivered in sturdy cardboard packaging

16

9x12

± 4 %

± 6 %



Code	No.	Ø	□mm	EPA	N·m	lbf·in	↔mm↔	⚖g
7090690	**760-00**		9 x 12	x	0,2-2,0	1,8-18	105	110
7090770	**760-01**		9 x 12	x	1-10	9-89	105	130
1824686	**760-30**	16			5-25	44-221	265	405
1824694	**760-35**		9 x 12		5-25	44-221	265	405
1824708	**760-40**	16			10-65	89-575	302	745
1824716	**760-45**		9 x 12		10-65	89-575	302	745
1824724	**760-50**	16			20-135	177-1195	408	1027
7092630	**760-11**		9 x 12		20-135	177-1195	408	830

765

ADJUSTABLE BREAKING WRENCH ATB with scale 5-25 N·m

- With micrometer scale, which allows quick and precise adjustment of the desired value
- With adjuster lock that prevents accidental adjustment during use
- Working accuracy: +/- 4% tolerance of the set torque
- Breaking of the handgrip by 20° when the pre-set torque value is achieved makes over-tightening unlikely
- Classified to DIN EN ISO 6789:2003 Type II Class A

Code	No.	Ø	□mm	N·m	↔mm↔	⚖g
2312816	**765-25**	16		5-25	297	678
2312824	**765-30**		9 x 12	5-25	303	700

- On request, all torque wrenches can be factory pre-set.
- When ordering, please specify the N·m value.

Deviant packing units see article description.

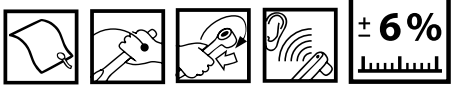
761

TORQUE WRENCH TSP SLIPPER 1-10 N·m / 10-90 lbf·in

Use:
- Controlled screw tightening in the range 1 - 10 N·m
- Ideal for assembly work where controlled tightening with low torque values is required (e.g. electronic hardware sector, precision mechanics etc.)

Features:
- Pre-set production torque wrench - without scale
- 1/4" square drive with ball locking device
- With integrated ratchet-function for controlled clockwise tightening
- Working accuracy: +/- 6% tolerance of the set torque
- Acc. to DIN EN ISO 6789, traceable to national standards
- Precision mechanism slips very noticeably and audibly ("click") when the pre-set value is reached - over-tightening is not possible
- Automatic resetting to the starting position
- 2 models in the range 1 N·m to 10 N·m
- Extremely lightweight yet robust and corrosion-resistant construction design
- Very convenient non-slip rubber handgrip
- EPA-conformant (Electrostatic Protected Area), for use in sensitive electrostatic applications
- The pre-setting can be made at the factory or by the user on suitable torque testers
- If ordering, please specify the N·m value - if a fixed factory pre-setting is desired (price on request)

Scope of delivery:
- Torque wrench type TSP SLIPPER
- Adjusting tool for changing the pre-set torque value
- Test certificate acc. to DIN EN ISO 6789
- Delivered in sturdy cardboard packaging



Code	No.	■ "	■	N·m	lbf·in	mm	
1196650	**761-05**	1/4	6.3	1-5	10-45	185	190
1196731	**761-10**	1/4	6.3	2-10	20-90	185	190

762

TORQUE WRENCH TSC SLIPPER 1-10 N·m

Use:
- Controlled screw tightening in the range 1 - 10 N·m
- Ideal for assembly work where controlled tightening with low torque values is required (e.g. electronic hardware sector, precision mechanics etc.)

Features:
- Adjustable torque wrench - with scale
- 1/4" square drive with ball locking device
- With integrated ratchet-head function for controlled clockwise tightening
- Working accuracy: +/- 6% tolerance of set torque
- Acc. to DIN EN ISO 6789, traceable to national standards
- Precision mechanism slips very noticeably and audibly ("click") when the set torque is reached - over-tightening is not possible
- Automatic resetting to the starting position
- Micrometer scale graduation: 0.05 N·m / 0.1 N·m
- 2 models in the range 1 N·m to 10 N·m
- Extremely lightweight yet robust and corrosion-resistant construction design
- Very convenient non-slip rubber handgrip
- EPA-conformant (Electrostatic Protected Area), for use in sensitive electrostatic applications

Scope of delivery:
- Torque wrench type TSC SLIPPER
- Test certificate acc. to DIN EN ISO 6789
- Delivered in sturdy cardboard packaging

Code	No.	■ "	■	N·m	mm		
1196480	**762-05**	1/4	6.3	1-5	195	0,05 N·m	235
1196510	**762-10**	1/4	6.3	2-10	195	0,1 N·m	235

TORQUE WRENCH TYPE 88

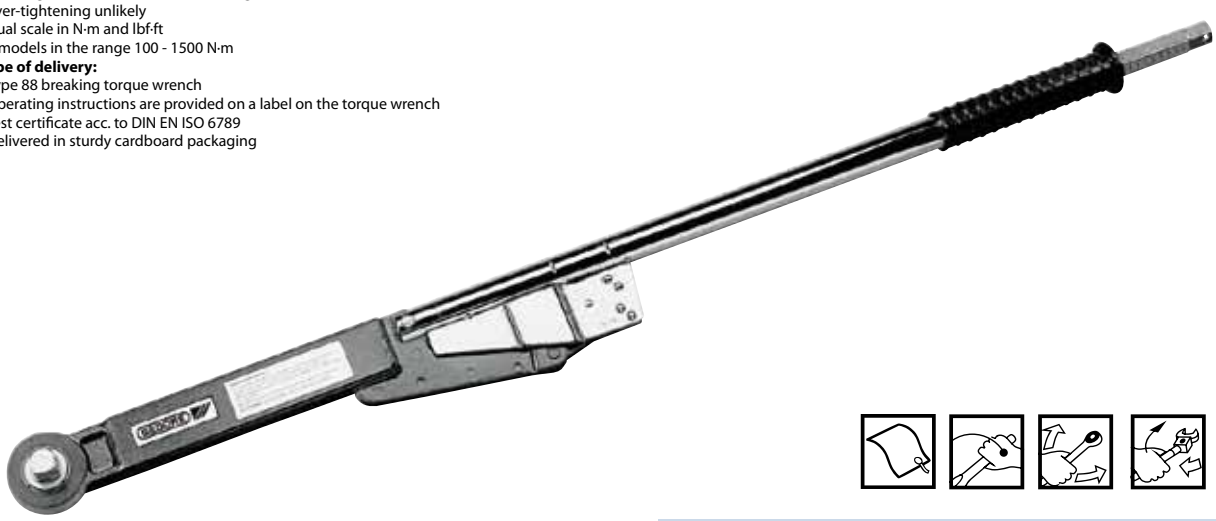
8800

TORQUE WRENCH TYPE 88 100-1500 N·m / 70-1000 lbf·ft

Use:
- Controlled screw tightening in the range 100 N·m - 1500 N·m
- Industry and vehicle sector (lorries, industrial vehicles), machine maintenance

Features:
- Adjustable torque wrench - with scale
- 3/4"square drive with integrated ratchet-function or 22 mm spigot-end
- Suitable for bi-directional tightening on account of push-through square drive
- Working accuracy: +/- 4% tolerance of the value setting
- 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 in N·m and lbf·ft
- 5 models in the range 100 - 1500 N·m

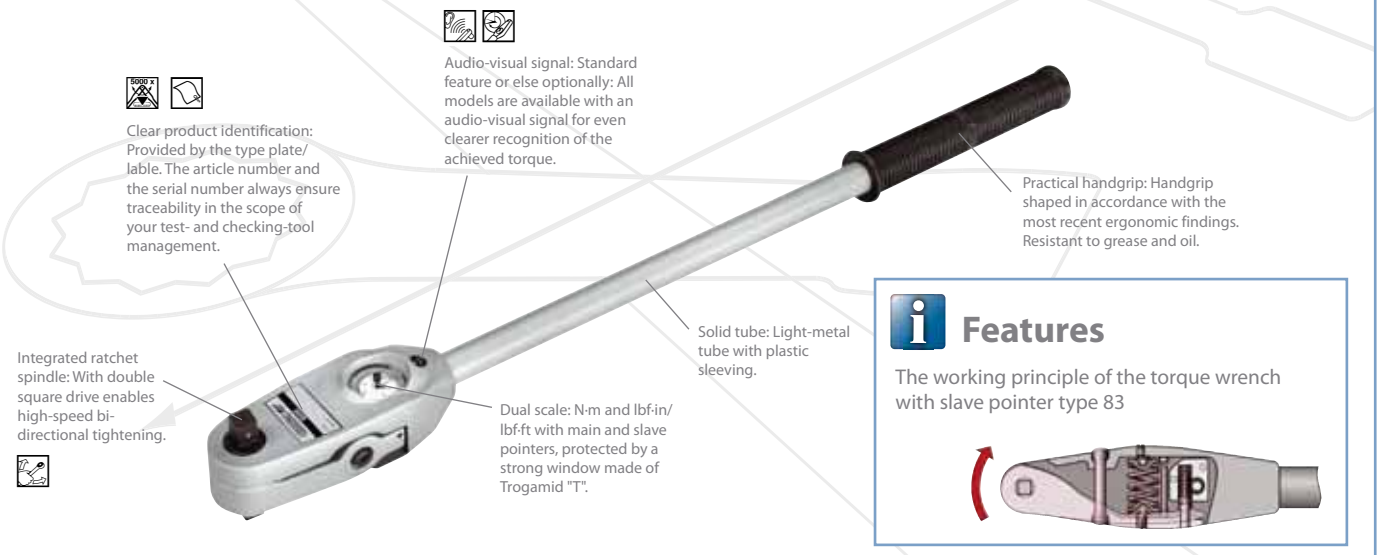
Scope of delivery:
- Type 88 breaking torque wrench
- Operating instructions are provided on a label on the torque wrench
- Test certificate acc. to DIN EN ISO 6789
- Delivered in sturdy cardboard packaging



Code	No.	Ø	■ "	■	N·m	lbf·ft	mm		
7715700	**8800-01**		3/4	20	100-500	70-350	915	10 N·m	5.5
7715890	**8800-02**		3/4	20	150-700	100-500	1090	10 N·m	6.0
7716000	**8800-03**		3/4	20	300-1000	200-750	1470	20 N·m	7.3
7716190	**8800-04**		3/4	20	700-1500	500-1000	1470	25 N·m	10.5
7716270	**8800-06**	22			130-550	100-400	915	10 N·m	4.9

Deviant packing units see article description.

Torque wrenches with slave pointer
Ideal for test, control and maintenance work



Features

The working principle of the torque wrench with slave pointer type 83

8301 - 8305

TORQUE WRENCH WITH SLAVE POINTER TYPE 83 0.8-2000 N·m / 7 lbf·in - 1500 lbf·ft

6,3 1/4" · 10 3/8" · 12,5 1/2" · 20 3/4" · 25 1"

Use:
- Controlled tightening and verification of tightening values
- For use in all areas of industrial manufacturing and in quality control
- Working ranges of 0.8 to 2000 N·m are covered

Features:
- Dial-indicating torque wrench with dual scale and multi-functional slave pointer
- 1/4", 3/8", 1/2", 3/4" or 1" double-square drive with ball locking device
- With integrated ratchet-function for controlled bi-directional tightening
- For controlled screw tightening and torque measurements
- Working accuracy: +/- 4% tolerance of the indicated torque
- Acc. to DIN EN ISO 6789, traceable to national standards
- With dual scale in N·m and lbf·in or lbf·ft double-tinted clearly readable face
- Integrated overload protection - mechanical stop up to max. 25% overload of the maximum value
- Housing made of lightweight, robust special aluminium construction - lacquered, silver-grey
- Black, non-slip rubber handgrips
- 10 models in the range 0.8 - 2000 N·m
- Models 8301-04 to 8301-40: EPA conform (Electrostatic Protected Area)
- Audio-visual signal is standard on models 8303-40 to 8305-20

Scope of delivery:
- Dial-measuring torque wrench type 83
- Battery for models having audio-visual signal
- Test certificate acc. to DIN EN ISO 6789
- Delivered in a sturdy black plastic box (no. 8301-04 to 8302-20), otherwise in sturdy cardboard packaging (no. 8303-40 to 8305-20)

Code	No.	Type	■ "	■	EPA	N·m	lbf·in	lbf·ft	mm		Height	Signal	
7651390	**8301-04**		1/4	6.3	x	0,8-4	7-35		244	0,1 N·m / 1 lbf·in	61	optional	500
7651470	**8301-12**		1/4	6.3	x	2,4-12	21-105		244	0,5 N·m / 2 lbf·in	61	optional	500
7651550	**8301-25**		3/8	10.0	x	5-25	44-220		244	1 N·m / 10 lbf·in	69	optional	500
7651630	**8301-40**		3/8	10.0	x	8-40	72-360		244	1 N·m / 10 lbf·in	69	optional	500
7651710	**8302-08**		1/2	12.5		16-80		12-60	435	2 N·m / 1 lbf·ft	86	optional	1350
7651980	**8302-20**		1/2	12.5		40-200		30-160	515	5 N·m / 5 lbf·ft	86	optional	1400
7652280	**8303-40**		3/4	20.0		80-400		60-300	710	10 N·m / 10 lbf·ft	111	standard	3150
7652010	**8304-80**		3/4	20.0		160-800		120-600	1000	20 N·m / 20 lbf·ft	123	standard	4850
1196790	**8305-14**		1	25.0		280-1400		200-1000	2040	25 N·m / 25 lbf·ft	138	standard	16690
1196804	**8305-20**		1	25.0		400-2000		300-1500	2040	50 N·m / 50 lbf·ft	138	standard	16690

Deviant packing units see article description.

END FITTINGS 16 Z

8791

OPEN END FITTING 16 Z

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking

Code	No.	Ø	⬡ mm	mm	⬡ mm	Depth gauge	
7774470	**8791-07**	16	7	5	20.5	32	80
7774550	**8791-08**	16	8	5	20.5	32	80
7774630	**8791-09**	16	9	5	20.5	32	80
7710070	**8791-10**	16	10	7	29.0	32	90
7710150	**8791-11**	16	11	7	29.0	32	90
7676890	**8791-12**	16	12	7	29.0	32	90
7710230	**8791-13**	16	13	8	34.5	32	120
7710310	**8791-14**	16	14	8	34.5	32	120
7710580	**8791-15**	16	15	8	34.5	32	120
7710660	**8791-16**	16	16	9	41.5	32	160
7710740	**8791-17**	16	17	9	41.5	32	160
7676970	**8791-18**	16	18	9	41.5	32	160
7710820	**8791-19**	16	19	10	45.0	32	180
7710900	**8791-20**	16	20	10	45.0	32	180
7677000	**8791-21**	16	21	10	45.0	32	180
7711040	**8791-22**	16	22	11	56.0	32	220
1977164	**8791-23**	16	23	11	56.0	32	220
7711120	**8791-24**	16	24	11	56.0	32	220
1552279	**8791-25**	16	25	11	56.0	32	220
1552287	**8791-26**	16	26	11	56.0	32	220
7711200	**8791-27**	16	27	12	60.5	32	260
1207008	**8791-28**	16	28	12	68.0	32	300
1552309	**8791-29**	16	29	12	68.0	32	300
7774710	**8791-30**	16	30	12	68.0	32	300
7774980	**8791-32**	16	32	12	68.0	32	300
1552317	**8791-36**	16	36	12	68.0	32	300

Code	No.	Ø	⬡ AF	mm	⬡ mm	Depth gauge	
1211421	**8791-1/4AF**	16	1/4	5	20.5	32	90
7720030	**8791-5/16AF**	16	5/16	5	20.5	32	80
1211447	**8791-3/8AF**	16	3/8	7	29.0	32	90
7720110	**8791-7/16AF**	16	7/16	7	29.0	32	90
7720380	**8791-1/2AF**	16	1/2	8	34.5	32	90
7720460	**8791-9/16AF**	16	9/16	8	34.5	32	120
7720540	**8791-5/8AF**	16	5/8	9	41.5	32	160
7720620	**8791-11/16AF**	16	11/16	9	41.5	32	160
7720700	**8791-3/4AF**	16	3/4	10	45.0	32	180
1211439	**8791-13/16AF**	16	13/16	10	45.0	32	90
7720890	**8791-7/8AF**	16	7/8	10	45.0	32	220
7720970	**8791-15/16AF**	16	15/16	11	56.0	32	220
7721000	**8791-1AF**	16	1	11	56.0	32	220
7721190	**8791-1.1/16AF**	16	1.1/16	12	60.5	32	260
7721270	**8791-1.1/8AF**	16	1.1/8	12	68.0	32	300
7776170	**8791-1.3/16AF**	16	1.3/16	12	68.0	32	300
7776250	**8791-1.1/4AF**	16	1.1/4	12	68.0	32	300
7776330	**8791-1.5/16AF**	16	1.5/16	12	68.0	32	300

8792

RING END FITTING 16 Z

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking

Code	No.	Ø	⬡ mm	mm	⬡ mm	Depth gauge	
7775010	**8792-07**	16	7	8	15.0	32	90
7775280	**8792-08**	16	8	8	15.0	32	90
7775360	**8792-09**	16	9	8	15.0	32	90
7712600	**8792-10**	16	10	10	19.5	32	100
7712790	**8792-11**	16	11	10	19.5	32	100
7677190	**8792-12**	16	12	10	19.5	32	100
7712870	**8792-13**	16	13	12	23.5	32	140
7712950	**8792-14**	16	14	12	23.5	32	140
7713090	**8792-15**	16	15	12	23.5	32	140
7713170	**8792-16**	16	16	13	28.5	32	180
7713250	**8792-17**	16	17	13	28.5	32	180
7677270	**8792-18**	16	18	13	28.5	32	180
7713330	**8792-19**	16	19	14	31.5	32	210
7713410	**8792-20**	16	20	14	31.5	32	210
7677350	**8792-21**	16	21	14	31.5	32	210
7713680	**8792-22**	16	22	15	39.5	32	260
1211471	**8792-23**	16	23	15	39.5	32	270
7713760	**8792-24**	16	24	15	39.5	32	260
7713840	**8792-27**	16	27	16	41.5	32	300

Code	No.	Ø	⬡ AF	mm	⬡ mm	Depth gauge	
1211455	**8792-1/4AF**	16	1/4	8	15.0	32	100
7721350	**8792-5/16AF**	16	5/16	8	15.0	32	90
1211498	**8792-3/8AF**	16	3/8	10	19.5	32	100
7721430	**8792-7/16AF**	16	7/16	10	19.5	32	100
7721510	**8792-1/2AF**	16	1/2	12	23.5	32	100
7721780	**8792-9/16AF**	16	9/16	12	23.5	32	140
7721860	**8792-5/8AF**	16	5/8	13	28.5	32	140
7721940	**8792-11/16AF**	16	11/16	13	28.5	32	180
7722080	**8792-3/4AF**	16	3/4	14	31.5	32	210
1211463	**8792-13/16AF**	16	13/16	14	31.5	32	100
7722160	**8792-7/8AF**	16	7/8	15	39.5	32	260
7722240	**8792-15/16AF**	16	15/16	15	39.5	32	260
7722320	**8792-1AF**	16	1	15	39.5	32	300
7722400	**8792-1.1/16AF**	16	1.1/16	16	41.5	32	300

DREMOMETER Z / TORCOFIX Z

249
254

Deviant packing units see article description.

8797

FLARED END FITTING 16 Z

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking

Code	No.	Ø	mm	mm	mm	max. N·m	Depth gauge	Opening width	
1211587	**8797-07**	16	7	8.0	15.0	7.0	32	5.5	90
1211595	**8797-08**	16	8	8.0	15.0	6.5	32	6.0	90
1211609	**8797-09**	16	9	8.0	15.0	5.5	32	6.5	90
1211625	**8797-10**	16	10	10.0	19.5	26.0	32	7.0	100
1211633	**8797-11**	16	11	10.0	19.5	19.0	32	8.5	100
1211641	**8797-12**	16	12	10.0	19.5	13.0	32	9.0	120
1211668	**8797-13**	16	13	12.0	23.5	34.0	32	10.0	140
7664290	**8797-14**	16	14	12.0	23.5	24.0	32	11.2	140
1211684	**8797-15**	16	15	12.0	23.5	18.0	32	12.0	140
1211692	**8797-16**	16	16	13.0	28.5	66.0	32	13.0	180
1211706	**8797-17**	16	17	13.0	28.5	56.0	32	14.0	180
1211714	**8797-18**	16	18	13.0	28.5	45.0	32	14.5	200
1211722	**8797-19**	16	19	14.0	31.5	80.0	32	15.0	210
1211731	**8797-20**	16	20	14.0	31.5	60.0	32	16.0	210
1211749	**8797-21**	16	21	14.0	31.5	43.0	32	16.5	210
1211757	**8797-22**	16	22	15.0	39.5	172.0	32	17.0	260
1211765	**8797-23**	16	23	15.0	39.5	153.0	32	17.5	260
1211773	**8797-24**	16	24	15.0	39.5	118.0	32	18.0	260
1211781	**8797-27**	16	27	16.0	41.5	76.0	32	20.0	300

Code	No.	Ø	AF	mm	mm	max. N·m	Depth gauge	
1326503	**8797-1/4AF**	16	1/4	8.0	15.0	7.0	32	90
7709300	**8797-5/16AF**	16	5/16	8.0	15.0	6.5	32	90
1211803	**8797-3/8AF**	16	3/8	10.0	19.5	26.0	32	140
7715620	**8797-7/16AF**	16	7/16	10.0	19.5	18.0	32	100
7715970	**8797-1/2AF**	16	1/2	12.0	23.5	37.0	32	140
7716350	**8797-9/16AF**	16	9/16	12.0	23.5	22.0	32	140
7716430	**8797-5/8AF**	16	5/8	13.0	28.5	68.0	32	180
7719610	**8797-11/16AF**	16	11/16	13.0	28.5	51.0	32	180
7719880	**8797-3/4AF**	16	3/4	14.0	31.5	77.0	32	210
1211676	**8797-13/16AF**	16	13/16	14.0	31.5	58.0	32	370
7725180	**8797-7/8AF**	16	7/8	15.0	39.5	169.0	32	210
7719960	**8797-15/16AF**	16	15/16	15.0	39.5	138.0	32	210
7725260	**8797-1AF**	16	1	15.0	39.5	104.0	32	260
7725340	**8797-1.1/16AF**	16	1.1/16	16.0	41.5	77.0	32	300

8755

END FITTING TORX® 16 Z

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- For recessed TORX® head screws
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking
- TORX® = registered trademark of Acument Intellectual Properties, LLC. USA

Code	No.	Ø		Depth gauge	
7672040	**8755-20**	16	20	32	100
7672120	**8755-25**	16	25	32	100
7672200	**8755-27**	16	27	32	140
7672390	**8755-30**	16	30	32	140
7672470	**8755-40**	16	40	36	140
7672550	**8755-45**	16	45	36	180

8756

END FITTING INBUS® 16 Z

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking
- INBUS® = registered trademark of Acument GmbH & Co. OHG, 56567 Neuwied

Code	No.	Ø	mm	Depth gauge	
7773740	**8756-03**	16	3	32	100
7773820	**8756-04**	16	4	32	100
7773900	**8756-05**	16	5	32	100
7774040	**8756-06**	16	6	32	100
7774120	**8756-08**	16	8	36	110

8754

RATCHET HEAD 16 Z

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, matt chrome-plated
- With eject pin for unlocking
- Max. continuous load of coupler according to DIN EN ISO 6789:2003 and/or maximum support load
- 8754-01 3/8" = 135 N·m
- 8754-02 1/2" = 340 N·m

Code	No.	Ø	Type	"		Depth gauge	
7711980	**8754-01**	16		3/8	10.0	32	170
7712010	**8754-02**	16		1/2	12.5	32	270

8790 - 8793

FIXED SQUARE HEAD 16 Z

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, matt chrome-plated
- With eject pin for unlocking
- Max. continuous load of coupler according to DIN EN ISO 6789:2003 and/or maximum support load
- 879000 3/8" = 135 N·m
- 879300 1/2" = 340 N·m

Code	No.	Ø	Type	"		Depth gauge	
7709490	**8790-00**	16		3/8	10.0	32	350
7709570	**8793-00**	16		1/2	12.5	32	380

Deviant packing units see article description.

END FITTINGS 22 Z

8795

OPEN END FITTING 22 Z

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking

Code	No.	Ø	⬡ mm	mm	⚙ mm	Depth gauge	
7707010	**8795-22**	22	22	11	52.0	56	330
7707280	**8795-24**	22	24	11	52.0	56	320
7707360	**8795-27**	22	27	12	64.0	56	380
7707440	**8795-30**	22	30	12	64.0	56	370
7707520	**8795-32**	22	32	12	75.5	56	450
7677430	**8795-34**	22	34	12	75.5	56	430
7707600	**8795-36**	22	36	12	75.5	56	430
7707790	**8795-41**	22	41	12	94.0	56	580
7707870	**8795-46**	22	46	12	94.0	56	530

Code	No.	Ø	⬡ AF	mm	⚙ mm	Depth gauge	
1532650	**8795-1.7/16AF**	22	1.7/16	12.0	75.5	56	425
1532669	**8795-1.1/2AF**	22	1.1/2	12.0	75.5	56	429

8797

FLARED END FITTING 22 Z

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking

Code	No.	Ø	⬡ AF	mm	⚙ mm	max. N·m	Depth gauge	Opening width	
1532723	**8797-1.1/8AF**	22	1.1/8	17	46.5	166	56	22	370
1532731	**8797-1.3/16AF**	22	1.3/16	17	46.5	145	56	22	360
1532758	**8797-1.1/4AF**	22	1.1/4	20	55.0	396	56	22	440
1532766	**8797-1.5/16AF**	22	1.5/16	20	55.0	367	56	25	430
1532774	**8797-1.7/16AF**	22	1.7/16	20	55.0	271	56	26	390

8796

RING END FITTING 22 Z

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking

Code	No.	Ø	⬡ mm	mm	⚙ mm	Depth gauge	
7707950	**8796-22**	22	22	15	38.0	56	350
7708090	**8796-24**	22	24	15	38.0	56	330
7708170	**8796-27**	22	27	17	46.5	56	370
7708250	**8796-30**	22	30	17	46.5	56	350
7708330	**8796-32**	22	32	20	55.0	56	420
7677510	**8796-34**	22	34	20	55.0	56	420
7708410	**8796-36**	22	36	20	55.0	56	390
7708680	**8796-41**	22	41	22	72.0	56	560
7708760	**8796-46**	22	46	22	72.0	56	520

Code	No.	Ø	⬡ AF	mm	⚙ mm	Depth gauge	
1242962	**8796-1AF**	22	1	17	46.5	56	400
1532677	**8796-1.1/8AF**	22	1.1/8	17	46.5	56	400
1532685	**8796-1.3/16AF**	22	1.3/16	17	46.5	56	470
1532693	**8796-1.1/4AF**	22	1.1/4	20	55.0	56	550
1532707	**8796-1.5/16AF**	22	1.5/16	20	55.0	56	460
1532715	**8796-1.7/16AF**	22	1.7/16	20	55.0	56	430

8794

FIXED SQUARE HEAD / RATCHET HEAD 22 Z

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, matt chrome-plated
- With eject-pin for unlocking
- Max. continuous load of coupler according to DIN EN ISO 6789:2003 and/or maximum support load
- 879400 3/4" = 850 N·m
- 8794-03 3/4" = 850 N·m

Code	No.	Ø	Type	■"	■	Depth gauge	
7708840	**8794-00**	22		3/4	20	56	610
1427318	**8794-03**	22		3/4	20	56	950

Deviant packing units see article description.

END FITTINGS 28 Z

8799

RING END FITTING 28 Z

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Chrome-vanadium steel, chrome-plated
- With catch retention

Code	No.	Ø	mm	mm	mm	Depth gauge	
1760963	**8799-27**	28	27	16.0	50.0	75	1500
1760971	**8799-30**	28	30	17.0	50.0	75	1500
1760874	**8799-32**	28	32	17.0	54.0	75	1550
1760858	**8799-34**	28	34	17.0	57.0	75	1550
1565494	**8799-36**	28	36	19.5	60.0	75	1600
1565508	**8799-41**	28	41	20.5	66.0	75	1800
1565516	**8799-46**	28	46	22.5	75.0	75	2100
1565524	**8799-50**	28	50	23.5	80.0	75	2200
1565532	**8799-55**	28	55	25.0	87.5	75	2400
1565540	**8799-60**	28	60	26.0	93.5	75	2500
1565559	**8799-65**	28	65	29.0	101.0	75	2900
1565567	**8799-70**	28	70	32.5	109.5	75	2000
1565575	**8799-75**	28	75	34.0	116.5	100	4500
1565583	**8799-80**	28	80	35.0	123.0	100	4800
1565591	**8799-85**	28	85	37.0	131.0	100	5200
1565605	**8799-90**	28	90	41.5	152.0	100	6700
1565621	**8799-95**	28	95	41.5	152.0	100	6400
1565648	**8799-100**	28	100	41.5	152.0	100	6200

8798

OPEN END FITTING 28 Z

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Chrome-vanadium steel, chrome-plated
- With catch retention

Code	No.	Ø	mm	mm	mm	Depth gauge	
1760831	**8798-32**	28	32	17.0	68.8	75	1500
1760823	**8798-34**	28	34	17.0	73.1	75	1800
1565346	**8798-36**	28	36	18.0	77.5	75	1900
1565354	**8798-41**	28	41	19.5	89.0	75	1900
1565362	**8798-46**	28	46	20.0	99.0	75	1900
1565370	**8798-50**	28	50	21.5	108.0	75	1900
1565389	**8798-55**	28	55	24.5	118.5	75	2100
1565397	**8798-60**	28	60	24.5	129.5	75	2100
1565400	**8798-65**	28	65	28.0	140.5	75	2400
1565419	**8798-70**	28	70	30.0	151.0	75	2900
1565427	**8798-75**	28	75	31.5	163.0	100	4000
1565435	**8798-80**	28	80	34.5	174.0	100	4400
1565443	**8798-85**	28	85	34.5	174.0	100	4300
1565451	**8798-90**	28	90	39.0	195.0	100	5400
1565478	**8798-95**	28	95	39.0	195.0	100	5100
1565486	**8798-100**	28	100	47.0	227.0	100	7600

8794

RATCHET HEAD 28 Z

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Chrome-vanadium steel, matt chrome-plated
- With catch retention
- Max. continuous load of coupler according to DIN EN ISO 6789:2003 and/or maximum support load
- 8794-05 3/4" = 1000 N·m

Code	No.	Ø	Type	■"	■	Depth gauge	
1566032	**8794-05**	28		3/4	20	75	1800

DREMOMETER Z

246

TORCOFIX Z

254

Deviant packing units see article description.

END FITTINGS 9X12 SE

7112

RECTANGULAR OPEN END FITTING 9x12

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking

9x12

Code	No.	□ mm	○ mm	mm	○ mm	Depth gauge	
7688390	**7112-07**	9 x 12	7	5.0	22.0	17.5	35
7688550	**7112-08**	9 x 12	8	5.0	22.0	17.5	35
7679050	**7112-09**	9 x 12	9	5.5	26.0	17.5	35
7688630	**7112-10**	9 x 12	10	5.5	26.0	17.5	40
7688980	**7112-11**	9 x 12	11	5.5	26.0	17.5	30
7679560	**7112-12**	9 x 12	12	7.0	30.0	17.5	35
7689010	**7112-13**	9 x 12	13	7.0	30.0	17.5	35
7689360	**7112-14**	9 x 12	14	8.0	35.0	17.5	40
7689440	**7112-15**	9 x 12	15	8.0	35.0	17.5	40
7679990	**7112-16**	9 x 12	16	8.5	38.0	20.0	45
7689600	**7112-17**	9 x 12	17	8.5	38.0	20.0	50
7684560	**7112-18**	9 x 12	18	9.0	42.0	20.0	60
7689790	**7112-19**	9 x 12	19	9.0	42.0	20.0	60

7212

RECTANGULAR RING END FITTING 9x12

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking

9x12

Code	No.	□ mm	○ mm	mm	○ mm	Depth gauge	
7691340	**7212-07**	9 x 12	7	8.0	13.0	17.5	30
7691420	**7212-08**	9 x 12	8	8.0	14.2	17.5	30
7691690	**7212-10**	9 x 12	10	9.0	17.2	17.5	30
7691770	**7212-11**	9 x 12	11	9.0	18.5	17.5	30
7677940	**7212-12**	9 x 12	12	12.0	20.0	17.5	35
7691930	**7212-13**	9 x 12	13	12.0	21.5	17.5	35
7692230	**7212-14**	9 x 12	14	12.0	23.0	17.5	40
7692580	**7212-15**	9 x 12	15	12.0	24.2	17.5	40
7678080	**7212-16**	9 x 12	16	13.0	25.7	17.5	40
7692740	**7212-17**	9 x 12	17	13.0	27.0	17.5	40
7678160	**7212-18**	9 x 12	18	13.0	28.5	17.5	40
7692820	**7212-19**	9 x 12	19	13.0	30.3	17.5	40
7678240	**7212-21**	9 x 12	21	15.0	33.0	17.5	50
7693040	**7212-22**	9 x 12	22	15.0	34.5	17.5	50

7312

RECTANGULAR FLARED END FITTING 9x12

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking

9x12

Code	No.	□ mm	○ mm	mm	○ mm	Depth gauge	Opening width	
7685290	**7312-10**	9 x 12	10	12.0	22.0	17.5	7.0	40
7685370	**7312-11**	9 x 12	11	12.0	22.5	17.5	8.5	40
7699590	**7312-12**	9 x 12	12	12.0	23.7	17.5	9.0	40
7679210	**7312-13**	9 x 12	13	12.0	25.2	17.5	10.0	40
7679480	**7312-14**	9 x 12	14	12.0	27.0	17.5	11.2	50
7685880	**7312-17**	9 x 12	17	13.0	31.5	17.5	14.0	65
7679640	**7312-18**	9 x 12	18	15.0	33.0	17.5	14.5	65
7686260	**7312-19**	9 x 12	19	15.0	34.5	17.5	15.0	65
7679720	**7312-22**	9 x 12	22	15.0	39.0	20.0	17.0	65

7412

RECTANGULAR REVERSIBLE RATCHET HEAD 9x12

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, matt chrome-plated
- With eject-pin for unlocking
- Fine-toothed
- Return angle 7°
- Max. continuous load of coupler according to DIN EN ISO 6789:2003 and/or maximum support load
- 741200 1/4" = 30 N·m
- 7412-01 3/8" = 135 N·m
- 7412-02 1/2" = 150 N·m

9x12

6,3 1/4" 10 3/8" 12,5 1/2"

Code	No.	□ mm	∠ °	■ "	■	mm	○ mm	Depth gauge	
7672710	**7412-00**	9 x 12	16	1/4	6.3	14.0	22.0	17.5	60
7686500	**7412-01**	9 x 12	5	3/8	10.0	24.0	33.0	17.5	140
7687230	**7412-02**	9 x 12	5	1/2	12.5	28.3	33.0	17.5	150

7612

RECTANGULAR FIXED SQUARE HEAD 9x12

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, matt chrome-plated
- With eject-pin for unlocking
- Max. continuous load of coupler according to DIN EN ISO 6789:2003 and/or maximum support load
- 761200 1/4" = 30 N·m
- 7612-01 3/8" = 135 N·m
- 7612-02 1/2" = 150 N·m

9x12

6,3 1/4" 10 3/8" 12,5 1/2"

Code	No.	□ mm	■ "	■	mm	○ mm	Depth gauge	
7672630	**7612-00**	9 x 12	1/4	6.3	14.0	20.0	17.5	70
7679800	**7612-01**	9 x 12	3/8	10.0	14.0	22.0	17.5	70
7687900	**7612-02**	9 x 12	1/2	12.5	14.0	22.0	17.5	80

7812

RECTANGULAR BIT HOLDER 9x12

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking

9x12

8 5/16" 6,3 1/4"

Code	No.	□ mm	⬣ "	⬣	mm	○ mm	Depth gauge	
7697970	**7812-00**	9 x 12	5/16	8.0	12.5	16.0	17.5	40
2101645	**7812-10**	9 x 12	1/4	6.3				40

7912

RECTANGULAR WELD-ON FITTING 9x12

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Bear the depth gauges in mind

9x12

Code	No.	□ mm	↦ mm ↤	mm	○ mm	Depth gauge	
7698190	**7912-00**	9 x 12	14	14	8	8	30

Deviant packing units see article description.

END FITTINGS 14X18 SE

7118

RECTANGULAR OPEN END FITTING 14x18

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking

14x18

Code	No.	□ mm	○ mm	mm	○ mm	Depth gauge	
7689870	**7118-13**	14 x 18	13	7.0	30.0	25.0	120
7690020	**7118-14**	14 x 18	14	8.0	35.0	25.0	120
7690100	**7118-15**	14 x 18	15	8.0	35.0	25.0	120
7685610	**7118-16**	14 x 18	16	9.0	38.0	25.0	125
7690370	**7118-17**	14 x 18	17	9.0	38.0	25.0	130
7686180	**7118-18**	14 x 18	18	10.0	42.0	25.0	130
7690450	**7118-19**	14 x 18	19	10.0	42.0	25.0	130
7686420	**7118-21**	14 x 18	21	11.0	50.0	25.0	155
7690610	**7118-22**	14 x 18	22	11.0	50.0	25.0	150
7690880	**7118-24**	14 x 18	24	12.0	53.0	25.0	170
7690960	**7118-27**	14 x 18	27	13.0	60.0	30.0	185
2212285	**7118-29**	14 x 18	29	14.0	63.0	30.0	220
7691260	**7118-30**	14 x 18	30	14.0	66.0	30.0	220
7687740	**7118-32**	14 x 18	32	14.0	66.0	32.5	220
1963708	**7118-34**	14 x 18	34	15.0	74.0	32.5	255
1963716	**7118-36**	14 x 18	36	15.0	78.0	35.0	257
1963724	**7118-41**	14 x 18	41	15.0	82.0	40.0	261

7218

RECTANGULAR RING END FITTING 14x18

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking

14x18

Code	No.	□ mm	○ mm	mm	○ mm	Depth gauge	
7693120	**7218-13**	14 x 18	13	11.0	21.5	25.0	120
7693390	**7218-14**	14 x 18	14	11.0	23.0	25.0	120
7693470	**7218-15**	14 x 18	15	11.0	24.2	25.0	115
7678320	**7218-16**	14 x 18	16	12.0	25.7	25.0	125
7693630	**7218-17**	14 x 18	17	12.0	27.2	25.0	125
7678830	**7218-18**	14 x 18	18	12.0	28.5	25.0	125
7693710	**7218-19**	14 x 18	19	12.0	30.5	25.0	125
7678910	**7218-21**	14 x 18	21	15.0	33.0	25.0	140
7693980	**7218-22**	14 x 18	22	15.0	34.5	25.0	140
7694280	**7218-24**	14 x 18	24	15.0	37.5	25.0	140
7694440	**7218-27**	14 x 18	27	17.0	41.5	25.0	150
7694790	**7218-30**	14 x 18	30	19.0	45.0	25.0	160
7695920	**7218-32**	14 x 18	32	19.0	47.5	25.0	165
7679130	**7218-34**	14 x 18	34	19.0	50.5	28.0	195
7696220	**7218-36**	14 x 18	36	19.0	53.0	28.0	195
7696300	**7218-41**	14 x 18	41	20.0	59.0	30.0	225

7418

RECTANGULAR REVERSIBLE RATCHET HEAD 14x18

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, matt chrome-plated
- With eject-pin for unlocking
- Fine-toothed
- Return angle 7°
- Max. continuous load of coupler according to DIN EN ISO 6789:2003 and/or maximum support load
- 7418-02 1/2" = 340 N·m
- 7418-04 3/4" = 400 N·m

14x18

12,5 1/2"

20 3/4"

Code	No.	□ mm	■ "	■	°	mm	○ mm	Depth gauge	
7687580	**7418-02**	14 x 18	1/2	12.5	7,2	26.2	43.0	25.0	350
7687660	**7418-04**	14 x 18	3/4	20.0	7,2	30.7	50.0	33.0	780

7618

RECTANGULAR FIXED SQUARE HEAD 14x18

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, matt chrome-plated
- With eject pin for unlocking
- Max. continuous load of coupler according to DIN EN ISO 6789:2003 and/or maximum support load
- 7618-02 1/2" = 340 N·m
- 7618-04 3/4" = 400 N·m

14x18

12,5 1/2"

20 3/4"

Code	No.	□ mm	■ "	■	mm	○ mm	Depth gauge	
7688040	**7618-02**	14 x 18	1/2	12.5	18.0	30.0	25.0	200
7688200	**7618-04**	14 x 18	3/4	20.0	25.0	40.0	25.0	390

7818

RECTANGULAR BIT HOLDER 14x18

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking

14x18

8

5/16"

Code	No.	□ mm	● "	●	mm	○ mm	Depth gauge	
7698000	**7818-00**	14 x 18	5/16	8	12.5	16.0	25.0	100

7918

RECTANGULAR WELD-ON FITTING 14x18

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Bear the depth gauges in mind

14x18

Code	No.	□ mm	↔ mm ↔	mm	○ mm	Depth gauge	
7698430	**7918-00**	14 x 18	25	21.5	11.0	12.0	100

DREMOMETER SE / TORCOFIX SE

249
256

Deviant packing units see article description.

GEDORE

++ DREMOPLUS

HAND TORQUE MULTIPLIERS. EFFORTLESSLY ACHIEVE SUPREME TORQUE VALUES IN A VERY SMALL SPACE.

Actio = Reactio: Reaction arm for the absorption of the reaction.

Drive: Input square of sizes 3/8", 1/2" and 3/4".

Maximum precision: Smoothed tooth flanks, honed drill holes, hardened cylindrical pins and precision bearings ensure that frictional losses in the planet gear are kept negligible. Accuracies of +/- 4% over the entire working range provide the optimum safely when making screw connections.

Torque reaction: Sliding reaction "slave" square can be supported on an adjacent screw with a impact nut socket, e.g. in the case of flange screw connections.

Safety: Torque multipliers starting from a ratio of 1:5 are fitted with anti-wind-up ratchets.

Solid and robust: Housing made of quality steel. Also designed for strong forces. The compact construction enables work on hard-to-access screw connections.

Flexible: Replaceable reaction plate for individual requirements.

++ ADVANTAGES OF A TORQUE MULTIPLIER

- Avoidance of long levers - meaning that you work more safely
- The specified ratio is the true torque multiplication factor
- You can manage without correction charts for determining the output torque
- Models having an anti-wind-up ratchet enable you to work more safely
- For high-precision torque control, electronic torque transducers are available for all models.

++ 1:22 1000 N·m

+ 1:5 - 1:26 1300-4500 N·m

+ 1:5 1300-2700 N·m

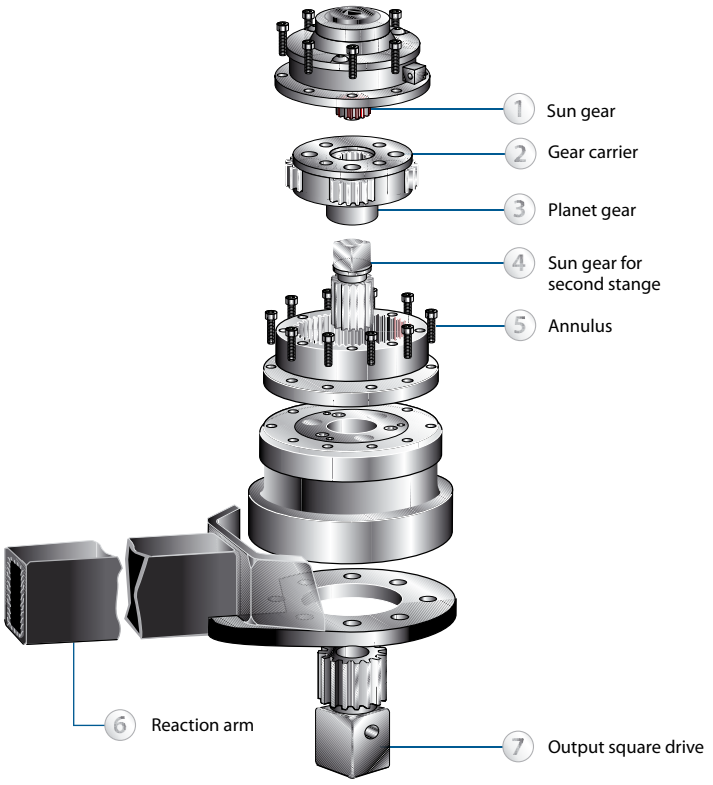
++ 1:5 - 1:125 1700-3400 N·m

+ 1:5 - 1:125 6000-47500 N·m

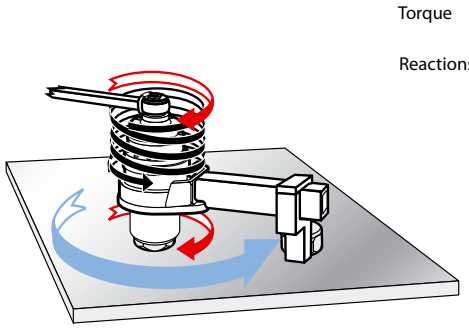
+ 1:5 - 1:25 1000-1500 N·m

++ 1:5 - 1:125 2700-6000 N·m

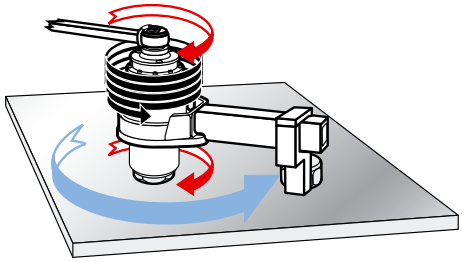
GEARBOX ELEMENTS



SAFELY OPERABLE



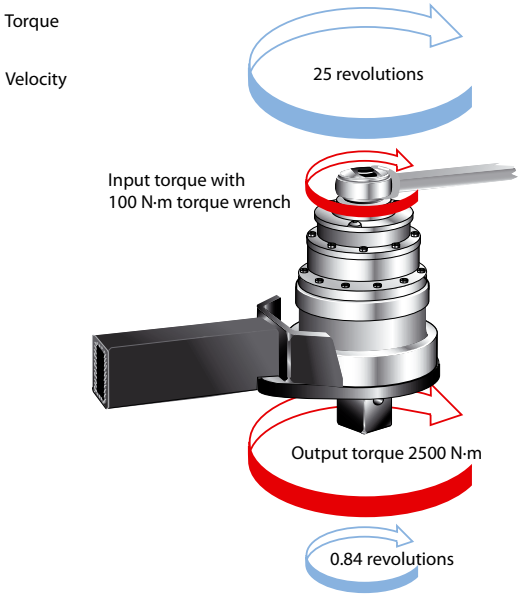
The gearbox wind-up forces and torsion wind-up forces must build up like in the case of a "spring"!



Multiplier will achieve maximum torque only after the "spring" has been taken up.

Important remark on safety: When used upside down, an additional support is strongly recommended. If the screw connection breaks or the torque multiplier releases its torsion wind-up forces, the device could fall out on the user.

WORKING PRINCIPLE



The representation shown in the chart is intended for elucidating the principle of torque multiplication. Let us assume an input torque of 100 N·m and an output torque of 2500 N·m. In the case of a ratio of e.g. 1:25, 25 revolutions are required on the input in order to achieve approx. 1 revolution with a torque of 2,500 N·m on the output. This is substantiated in terms of the physical formula: Power = torque x velocity (r.p.m.)

Because we must regard the input and output powers as constant, the multiplication of the torque can only be accomplished through an increased number of revolutions at the input. a torque wrench with a ratchet head function makes it easier for the user to quickly obtain the necessary rotary speeds.

8600

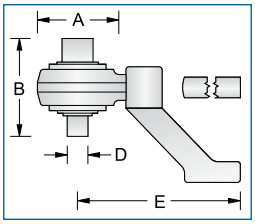
UNIVERSAL TORQUE MULTIPLIER DREMOPLUS 1300-2700 N·m / 960-2000 lbf·ft

Use:
- Industry, construction sites, industrial-vehicle and automobile garages
- Bridge-, ship-building, aircraft and railway construction, refineries

Features:
- Mechanical, hand torque multiplier for controlled screw tightening
- With single-stage precision planet gear
- Housing and torque reaction made of quality steel
- Multiplication at the ratio of 1:5, effective
- With overload protection for protecting the gearbox
- With 2 reaction devices
- Guaranteed accuracy: Better than +/- 4% tolerance
- For operation in combination with a torque wrench
- 2 models for a maximum load of 1300 N·m or 2700 N·m
- Model 8600-11 output square drive with ball - for sockets with ball-locking mechanism
- Model 8600-20 output square drive with drill hole - for sockets or, better still, impact sockets with a safety pin and ring
- Model 8600-11 is optionally available as a set no. 8600-10 with accessories

Scope of delivery:
- Torque multiplier
- Plug-in reaction bar no. 8600-01 and plug-in reaction foot no. 8600-03
- Model 8600-11 with a 3/4" spare square drive no. 8600- 02
- Delivered in an extremely sturdy plastic case (red case (no. 8600-99) = type 8600-10/-11and a black case (no. 8600-98) = type 8600-20
- Additional component parts of the set no. 8600-10 include 2 impact sockets 27 and 32 mm
- Detailed technical information is available on request

20
3/4"
25
1"



Code	No.	Contents	max. N·m-Output	max. lbf·ft-Output	•:■	□" C	■" D	A	B	$E_{min.}$	$E_{max.}$	kg	max. N·m-Input	max. lbf·ft-Input
7715110	**8600-11**	**8600**-11 **8600**-01 **8600**-02 **8600**-03	1300	960	1:5	1/2	3/4	108	126	210	340	4.2	260	192
7715030	**8600-10**	**8600**-11 **8600**-01 **8600**-02 **8600**-03 **K 32** 27 **K 32** 32	1300	960	1:5	1/2	3/4	108	126	210	340	6.9	260	192
7692150	**8600-20**	**8600**-20 **8600**-01 **8600**-03	2700	2000	1:5	3/4	1	108	128	210	340	4.3	540	400

Code	No.	Description	kg
1193554	**8600-01**	Reaction bar for no. 8600 and 8608-01/-02	1050
7622370	**8600-02**	Spare square drive for no. 8600-10/-11	120
1193562	**8600-03**	Reaction foot for no. 8600 and 8608-01/-02	1400
1501593	**8600-98**	Black case, empty - for no. 8600-20	944
7622450	**8600-99**	Blue case, empty - for no. 8600-10/-11	944

Deviant packing units see article description.

8608

TORQUE MULTIPLIER DREMOPLUS 1300-4500 N·m / 960-3300 lbf·ft

20
3/4"
25
1"

Use:
- Industry, construction sites, industrial vehicles and automobile garages
- Bridge-, ship-building, aircraft and railway construction, refineries

Features:
- Mechanical, hand torque multiplier for controlled screw tightening
- With a single-stage precision planet gear
- Housing made of quality steel, chrome-plated with black cover caps
- Multiplication at a ratio 1:5, 1:15.5 or 1:26, effective
- Models 8608-03/-04 with anti-wind-up ratchet (AWUR) and angular disc for additional angular tightening
- With overload protection for protecting the gearbox
- With model-dependent reaction device
- Guaranteed accuracy: Better than +/- 4% tolerance
- For operation in combination with a torque wrench
- 4 models for maximum load in the range between max. 1300 N·m and max. 4500 N·m
- Output square drive with a drill hole - for sockets or, better still, impact sockets with a safety pin and ring

Scope of delivery:
- Torque multiplier
- With reaction device - model-dependent:
- No. 8608-01/-02 with plug-in reaction bar
- No. 8608-03 RS/-04 RS with plug-in reaction tube (chrome-plated)
- Delivered in a solid black plastic case with inlay (no. 8608-90 = type 8608-01/-02 and no. 8608-91 = type 8608-03/-04)
- Detailed technical information is available on request

Code	No.	max. N·m-Output	max. lbf·ft-Output	•□	□" C	■" D	A	B	E		max. N·m-Input	max. lbf·ft-Input
1471678	**8608-01**	1300	960	1:5	1/2	3/4	108	126	210	4.2	260	192
1471651	**8608-02**	2700	2000	1:5	3/4	1	108	128	210	4.3	540	400
1471635	**8608-03 RS**	3000	2200	1:15,5	1/2	1	108	156	450	8.0	193	142
1471627	**8608-04 RS**	4500	3300	1:26	1/2	1	108	173	450	8.9	173	127

Code	No.	Description	
1193554	**8600-01**	Reaction bar for no. 8600 and 8608-01/-02	1050
1193562	**8600-03**	Reaction foot for no. 8600 and 8608-01/-02	1400
1471643	**8608-90**	Plastic case, empty for 8608-01/-02	1000
1471619	**8608-91**	Plastic case, empty for 8608-03/-04	1400
1526359	**8608-92**	Spare square drive 3/4" for 8608-01	106
1526367	**8608-93**	Spare square drive 1" for 8608-02	890
1526383	**8608-94**	Spare square drive 1" for 8608-03	249
1526391	**8608-95**	Spare square drive 1" for 8608-04	250
1526405	**8608-96**	Reaction bar for 8608-03/-04	1830

K 20

211

754

244

AM-F

240 - 241

Deviant packing units see article description.

8601 - 8607

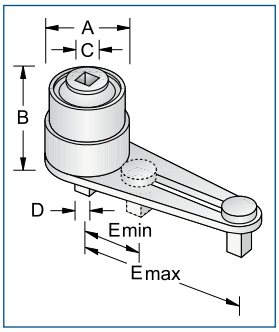
TORQUE MULTIPLIER DREMOPLUS 1700-47500 N·m / 1250-35000 lbf·ft

Use:
- Heavy industry, construction sites
- Bridge-, ship-building, aircraft and railway construction, refineries

Features:
- Mechanical hand torque multiplier for controlled screw tightening
- With single-stage or multistage precision planet gear
- Housing and torque reaction made of quality steel
- Multiplication at the ratio 1:5, 1:25 or 1:125, effective
- Models starting from a ratio of 1:25 with anti-wind-up ratchet (AWUR)
- With overload protection for protecting the gearbox
- With model-dependent reaction plate/reaction device
- Guaranteed accuracy: Better than +/- 4% tolerance
- For operation in combination with a torque wrench
- 7 models for maximum load in the range between max. 1700 N·m and max. 3400 N·m
- Output square drive with drill hole - for sockets or, better still, impact sockets with a safety pin and ring

Scope of delivery:
- Torque multiplier
- With reaction plate/reaction device, model-dependent:
- No. 8601-11 to 8602-23 RS with reaction plate and sliding reaction "slave" spigot end for 1" sockets
- No. 8603-31 to 8603-35 RS with a reaction plate and a sliding reaction "slave" square for 1.1/2" impact sockets
- Delivered in sturdy cardboard packaging
- Detailed technical information is available on request

25
1"
40
1½"
63
2½"

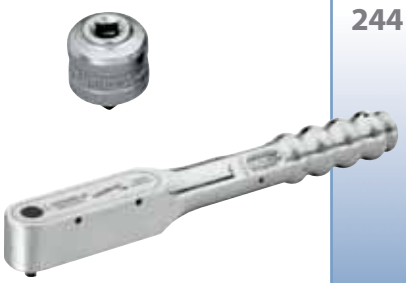


Code	No.	max. N·m-Output	max. lbf·ft-Output	•:■	□" C	■" D	A	B	E min.	E max.		max. N·m-Input	max. lbf·ft-Input
7701240	**8601-11**	1700	1250	1:5	3/4	1	108	126	83	217	4.8	340	250
7703450	**8601-13 RS**	1700	1250	1:25	1/2	1	108	156	83	217	6.5	68	50
7701400	**8602-21**	2700	2000	1:5	3/4	1	119	143	86	264	7.2	540	400
7703290	**8602-23 RS**	2700	2000	1:25	1/2	1	119	187	86	264	10.0	108	80
7701670	**8603-31**	3400	2500	1:5	3/4	1.1/2	119	149	86	264	8.7	680	500
7704420	**8603-34 RS**	3400	2500	1:25	1/2	1.1/2	119	195	86	264	10.5	136	100
7704500	**8603-35 RS**	3400	2500	1:125	1/2	1.1/2	119	220	86	264	11.5	27	20
7701910	**8604-44**	6000	4500	1:5	3/4	1.1/2	144	165	146	333	13.6	1200	900
7702050	**8604-45 RS**	6000	4500	1:25	1/2	1.1/2	144	226	146	333	16.5	240	180
7702130	**8604-46 RS**	6000	4500	1:125	1/2	1.1/2	144	234	146	333	18.0	48	36
7702640	**8605-53 RS**	20000	14700	1:125	1/2	2.1/2	212	307		500	40.4	160	118
7702210	**8605-62 RS**	9500	7000	1:25	3/4	1.1/2	184	209	171	351	21.0	380	280
7702480	**8605-63 RS**	9500	7000	1:125	1/2	1.1/2	184	234	171	351	27.0	76	56
7702720	**8607-73 RS**	47500	35000	1:125	3/4	2.1/2	315	366			94.8	380	280

920 922 — 487

TORCOFIX K — 252

DREMOMETER / 754 — 241 244



Deviant packing units see article description.

8613

MINI TORQUE MULTIPLIER DREMOPLUS max. 1000 N·m / 738 lbf·ft

- Guaranteed accuracy: better than +/- 4% tolerance
- Torque multiplication ratio: 22:1
- For operation in combination with a torque wrench
- With reaction arm
- RS = with anti-wind-up ratchet (AWUR)

20
3/4"

Code	No.	max. N·m-Output	max. lbf·ft-Output	•:■	□" E	■" F		max. N·m-Input	max. lbf·ft-Input
1820044	**8613-01**	1000	738	1:22	3/8	3/4	2.3	45	34
1820052	**8613-02**	1000	738	1:22	1/2	3/4	2.3	45	34
1824597	**8613-03 RS**	1000	738	1:22	3/8	3/4	2.5	45	34
1824600	**8613-04 RS**	1000	738	1:22	1/2	3/4	2.5	45	34

8615 - 8660

TORQUE MULTIPLIER DREMOPLUS COMPACT 1000-6000 N·m / 750-4400 lbf·ft

Use:

- Heavy industry, steel construction
- Bridge- and ship-building, aircraft and railway construction, refineries

Features:

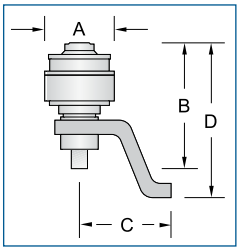
- Mechanical, hand torque multiplier for controlled screw tightening
- With single-stage or multistage precision planet gear
- Housing and torque reaction made of quality steel
- Multiplication at the ratio of 1:5, 1:25, 1:75 or 1:125 effective
- Models with a torque multiplication ratio of 25:1 and above with anti-wind-up ratchet (AWUR)
- With overload protection for protecting the gearbox
- With model-dependent reaction plate / reaction device, alternative reaction devices on request
- Guaranteed accuracy: Better than +/- 4% tolerance
- For operation in combination with a torque wrench
- 9 models for maximum load in the range between max. 1000 N·m and max. 2700 N·m
- Output square drive with drill hole - for sockets or, better still, impact sockets with a safety pin and ring

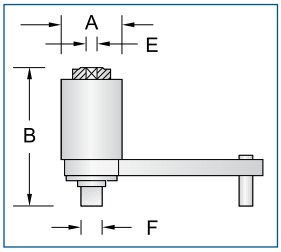
Scope of delivery:

- Torque multiplier
- With reaction plate/reaction device, model-dependent:
- nos. 8615-01 to 8615-06 RS with short reaction plate
- no. 8630-01 RS with angled support arm
- Delivered in sturdy cardboard packaging
- Detailed technical information is available on request

20
3/4"
25
1"
40
1½"

Code	No.	Description	
1545175	**8615-96**	Reaction plate short (without adaptor plate) for 8615	900
1545183	**8615-97**	Reaction plate straight for 8615	2550
1545191	**8630-96**	Cranked reaction arm for 8630	2000
1545205	**8630-97**	Reaction plate straight for 8630	2470
1545213	**8660-96**	Cranked reaction arm for 8660	4150
1545221	**8660-97**	Reaction plate straight for 8660	2470





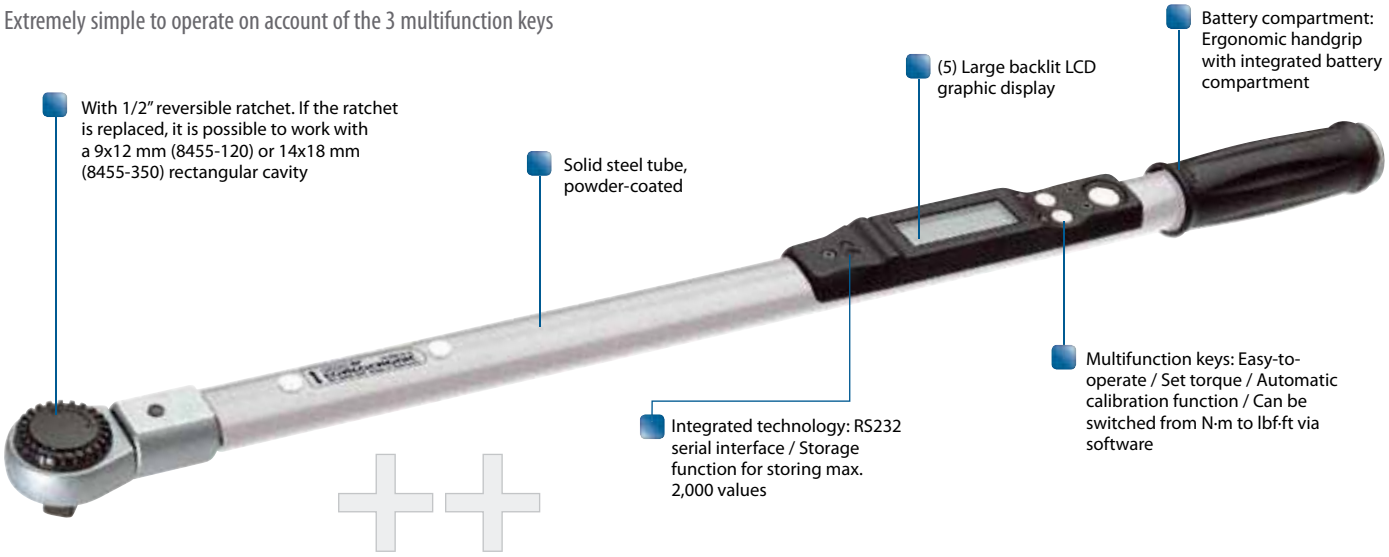
Code	No.	max. N·m-Output	max. lbf·ft-Output	•:■	□" E	■" F	A	B		max. N·m-Input	max. lbf·ft-Input
7697620	**8615-01**	1000	750	1:5	1/2	3/4	72	144	4.8	200	150
7697700	**8615-02**	1000	750	1:5	3/4	3/4	72	144	4.8	200	150
7697890	**8615-03 RS**	1000	750	1:25	1/2	3/4	72	166	5.8	40	30
7699670	**8615-04**	1500	1100	1:5	1/2	1	72	144	4.8	300	220
7699750	**8615-05**	1500	1100	1:5	3/4	1	72	144	4.8	300	220
7699830	**8615-06 RS**	1500	1100	1:25	1/2	1	72	166	5.8	60	44
7699910	**8630-01 RS**	2700	2000	1:5	3/4	1	108	196	8.0	540	400
7681030	**8630-02 RS**	2700	2000	1:15	1/2	1	108	224	9.0	180	133
7681110	**8630-03 RS**	2700	2000	1:25	1/2	1	108	224	9.0	108	80
7683080	**8660-01 RS**	6000	4400	1:25	1/2	1.1/2	119	271	15.0	240	176
7684800	**8660-02 RS**	6000	4400	1:75	1/2	1.1/2	119	301	16.5	80	59
7685020	**8660-03 RS**	6000	4400	1:125	1/2	1.1/2	119	301	16.5	48	35

Deviant packing units see article description.

ELECTRONIC TORQUE WRENCHES TORCOTRONIC

TORCOTRONIC II

Extremely simple to operate on account of the 3 multifunction keys



8455

ELECTRONIC TORQUE WRENCH TORCOTRONIC II 10-350 N·m / 7.4-258.2 lbf·ft

Use:
- For everyday requirements in installation and torque control
- For use in all areas of manufacturing and development

Execution:
- Microprocessor-controlled, electronic torque wrench
- For controlled bi-directional tightening
- Acc. to DIN EN ISO 6789, traceable to national standards
- Robust industrial design
- Broad measurement range in N·m, can be switched to lbf·ft
- High measurement accuracy: +/- 1% tolerance for all read-off values, +/- 1 digit
- With 1/2" reversible ratchet. The ratchet is exchangeable, providing the option of using a 9x12 mm (8455-120) or 14x18 mm (8455-350) square socket

Features:
- Large illuminated graphic LCD display
- Icon-menu navigation easy to understand
- Simple operation with 3 multifunction buttons
- Extra large, easy reachable button near the handgrip
- 2000 storage places
- Track- / Peak-Mode as well as 5 pre-set modes storable
- Different depth gauges for end fittings programmable
- Automatic calibration at the push of a button and following standby mode
- Keyboard lock
- Serial interface RS232
- PC-software easy to operate for uncomplicated programming and documentation of data
- Data can be transfered to MS Excel®
- 2 models in the range 10 - 350 N·m

Scope of delivery:
- Electronic torque wrench TorcoTronic
- Reversible ratchet 1/2"
- Test certificate acc. to DIN EN ISO 6789 Type I Class B
- Delivered in cardboard packaging with black foam module insert
- Cable for serial interface RS232
- Software on CD-R

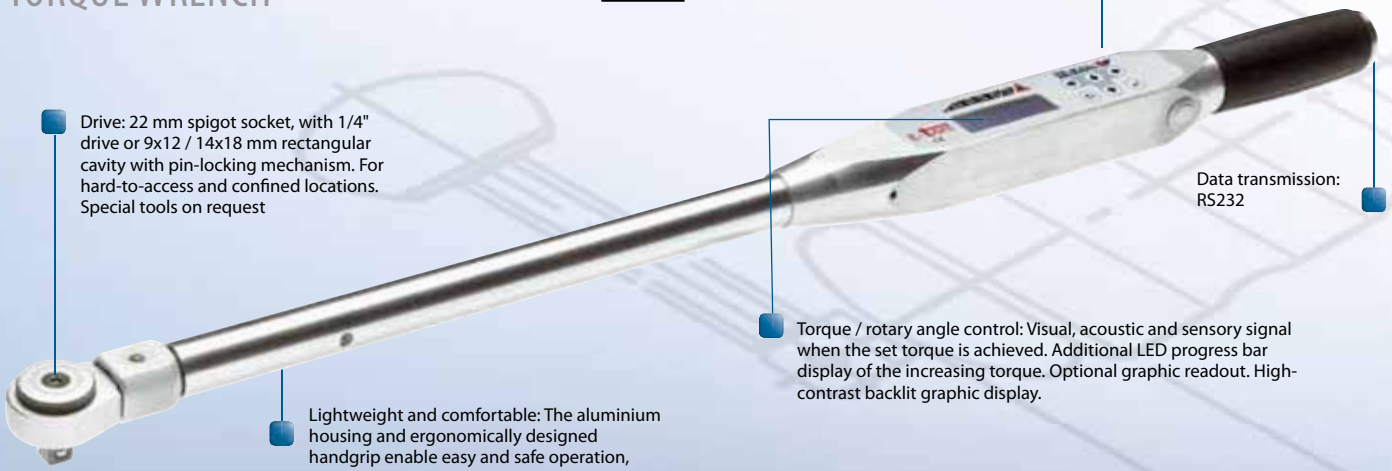
Attention:
- A PC, running a Windows® operating system (from Windows 2000®) is required to obtain the full benefit of all the functions of this product

Code	No.	■"	■	□mm	N·m	lbf·ft	
1932136	**8455-120**	1/2	12.5	9 x 12	10-120	7,4-88,5	0.9
1932144	**8455-350**	1/2	12.5	14 x 18	70-350	51,6-258,2	1.3

E-TORC II

MICROPROCESSOR-CONTROLLED TORQUE WRENCH

± 1 %



Deviant packing units see article description.

TORQUE CALIBRATION ANALYSER

8612

ELECTRONIC TORQUE TESTER DREMOTEST E 0.2-1100 N·m / 1.8 lbf·in - 811 lbf·ft

- For verifying and setting clockwise torque wrenches and torque screwdrivers in the range from 0.1 - 1100 N·m
- Simple, electronic torque tester with integrated torque transducer (DMS)
- With fixed hexagon female drive 1/4", 10, 17, 36 mm (model dependent)
- With 1/4", 3/8", 1/2" and 3/4" square drive adaptor or bit adaptor (model dependent)
- High measurement accuracy: +/- 1% tolerance of reading, +/- 1 digit
- Break-Point-measurement (1st peak)
- Autoreset
- Can be switched from N·m to lbf·ft
- Serial interface RS232
- Optionally available: adaptor for cigarette lighter socket (12 V), no. 8612-390

1/4" 6,3 3/8" 10 1/2" 12,5 3/4" 20

± 1 %

Code	No.	⬡	N·m	lbf·in	lbf·ft	Adaptor □	
2288311	**8612-012**	6.3	0,2-12	1,8-106		1/4", 3/8"	3.0
1947699	**8612-050**	10.0	0,9-55		0,7-40,6	1/4", 3/8"	3.0
1856111	**8612-300**	17.0	9-320		7-236	3/8", 1/2"	3.0
1947702	**8612-1000**	36.0	90-1100		66-811	1/2", 3/4"	10.0
1878719	**8612-390**						0.2

8612

TORQUE CALIBRATION ANALYSER DREMOTEST 0-25 N·m / 0-220 lbf·in

Features:

- Guaranteed measuring accuracy: +/- 2% of read-out in the core range of 20 - 100 % of the scale
- Dual scale in cN·m and ozf·in or N·m and lbf·in
- Model no. 8612-700 suitable for clockwise and counter-clockwise calibration, all other models for clockwise tightening
- For testing and setting clockwise torque wrenches and screwdrivers in the lower torque range of 0 - 25 N·m

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

± 2 %

Code	No.	Scale cN·m / N·m	Scale ozf·in / lbf·in	Adaptor	
1824619	**8612-700**	0-10 cN·m	0-14 ozf·in		1.0
1824627	**8612-710**	7-35 cN·m	10-50 ozf·in	1/4" 1/4"	1.7
1824635	**8612-720**	26-130 cN·m	36-180 ozf·in	1/4" 1/4"	1.7
1824643	**8612-730**	0,8-4,0 N·m	7-36 lbf·in	1/4" 1/4"	1.7
1824651	**8612-740**	2,4-12 N·m	24-120 lbf·in	1/4" 9/16"	1.7
1824678	**8612-750**	5-25 N·m	44-220 lbf·in	1/4" 9/16"	1.8

Deviant packing units see article description.

ELECTRONIC TORSIONS TORQUE TESTER E-TP

The smart electronic torque tester series with the new torsion metrology 0.5-3150 N·m

- The smart and modular system of the E-tp which is made possible by keeping separate the measuring and display instrument, convinces and offers the user an ideal measuring environment in any kind of operation. Depending on use, the display unit can easily be taken out and placed in another position, to enable the user to always have the display in optimal view.

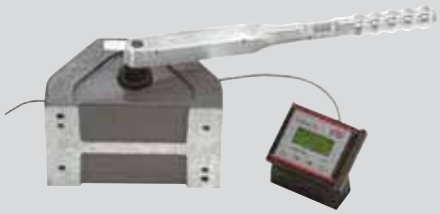
Your advantage:

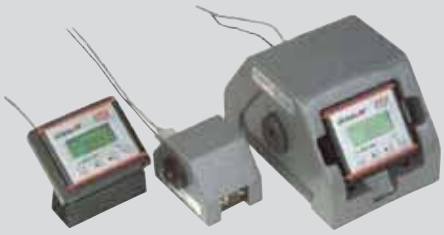
- In all applications the operating display is always in the direct field of vision and near to the operator. With the new E-tp you can avoid complicated and impractical measuring operations caused by a bad visibility of the display from a distance which is often the case at standard torque testers with a fixed display.

- The E-tp tester enables a precise and comfortable operation, verifying and calibrating of all clockwise and anti-clockwise torque wrenches in the range of 0.5-3150 N·m. The torsion metrology, located in the robust aluminium housing, allows the user a horizontal as well as a vertical torque operation complying with standards (DIN EN ISO 6789).

Your advantage:

- With one E-tp torque tester only, bi-directional torque wrenches can be tested and calibrated in the horizontal or vertical plane.





EMPTY STANDARD PACKAGING

PLASTIC CASSETTES EMPTY FOR DREMOMETER MINI + AM

Use:

- Standard packaging for sets of the torque wrench series DREMOMETER MINI and AM
- Robust and solid, best for storage and transport

Inclusion:

- Solid, black plastic cassette
- For torque wrench series DREMOMETER MINI and AM
- With foam rubber inlay and nest-holes for the accessories

Scope of delivery:

- Plastic cassettes with foam inlay only
- Delivery in sturdy cardboard packaging

Code	No.	Description	L	W	H	
1986805	**753-88**	Plastic cassette + foam inlay for DREMO MINI	225	125	37	296
7620910	**8554-99**	Plastic cassette + foam insert for DREMO AM	275	150	42	310

SHEET METAL CASE EMPTY FOR DREMOMETER A-F

Use:

- Standard packaging for sets of the torque wrench series DREMOMETER A-F
- Robust and solid, best for storage and transport

Inclusion:

- Solid and robust sheet metal case
- With integrated metal-flight and nest-holes for the accessories
- Hinges, locks and hand grip made of steel
- Paint finish: stove enamelled blue

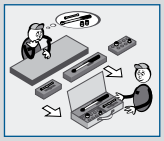
Scope of delivery:

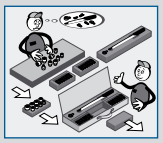
- Sheet metal case only
- Delivery in sturdy cardboard packaging

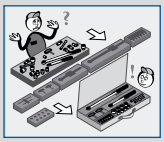
Code	No.	Description	L	W	H	
7621050	**8560-90**	Sheet metal case for DREMO A	370	115	50	1200
7621130	**8561-90**	Sheet metal case for DREMO B	485	115	52	1698
7621210	**8562-90**	Sheet metal case for DREMO BC/C	630	115	52	1950
7621800	**8570-90**	Sheet metal case for DREMO CD	745	165	70	3224
7621480	**8563-90**	Sheet metal case for DREMO D/DS	830	165	73	3713
7622100	**8571-90**	Sheet metal case for DREMO DR/DX	830	165	73	3656
7621560	**8564-90**	Sheet metal case for DREMO E / EK	945	270	100	10300
1742876	**8572-90**	Sheet metal case for DREMO F	1075	190	105	6400

Deviant packing units see article description.

TORCOFIX MODULE SYSTEMS







Flexibility with flair

- The module system adapts itself exactly to your wishes and requirements. At last, you can assemble your sets completely individually. Exactly and only using the tools you actually need. For every need, our system provides you with the perfect solution. Whether you chose a standard or an individual solution, your TORCOFIX torque wrenches with or without accessories, are always stored and transported professionally by virtue of the new modular system design.
- Your set is flexibly alterable and extendible at all times. Just replace or add modules. The modules themselves are delivered with dummy plugs. Simply remove the plugs from the nest-holes you wish to load with your tools or accessory units. The remaining nest-holes remain closed - that's what we call neat.

And this is how it is done:
- Just select the appropriate empty modules with the desired or already available tools and pick put a suitable case. Where necessary, fill with fill-in pieces (no. 1400-00) because the case must always be fully loaded.

Or else, even easier:
- You tell us which tools you would like to combine into a set and we will then take care of the rest and you will get your desired set without delay. Finished and ready!

MODULES EMPTY

Use:
- Flexible and individual - usable in combination with the sheet metal cases 1001/1003-90 (modular principle)
- As a part of the standard packaging for sets of the torque wrench series TORCOFIX

Inclusion:
- Solid and robust foam rubber insert
- For torque wrench series TORCOFIX K, SE, UK, Z
- 3 sizes and 16 different designs are available
- Individual component parts - the choice is yours - simply take the dummy plugs out of the nest-holes and insert the accessories for that.
- Flexible modular principle for individual assembling of your set as desired

Scope of delivery:
- Module only

Code	No.	Description	Number of nest-holes	L	W	H	
1582747	**1005-00**	Module only, for TORCOFIX 4549	for 1 wrench + 5 parts	540	90	70	100
1233378	**1010-00**	Module only, for TORCOFIX up to 100 Nm	for 1 wrench + 1 ratchet head	540	90	70	100
1233394	**1020-00**	Module only, for TORCOFIX up to 400 Nm	for 1 wrench + 1 ratchet head	810	90	70	160
1582755	**1105-00**	Module only, for 1/4" sockets	for 13 parts	270	90	40	100
1582763	**1106-00**	Module only, for 1/4" screwdriver bit sockets	for 16 parts	270	90	40	100
1233432	**1110-00**	Module only, for 3/8" sockets and INBUS type end fittings	for 6 parts + 5 parts	270	90	40	30
1233424	**1120-00**	Module only, for 1/2" sockets, small	for 11 parts	270	90	40	30
1233408	**1130-00**	Module only, for 1/2" sockets, large	for 9 parts	270	90	40	28
1233467	**1140-00**	Module only, for 3/8" and 1/2" extensions	for 2 parts	270	90	70	48
1233513	**1150-00**	Module only, for 3/8" and 1/2" T-grip	for 2 parts	270	90	70	43
1233440	**1210-00**	Module only, for 1/2" and 16 Z INBUS and TORX type end fittings	for 6 parts	270	90	70	48
1233505	**1220-00**	Module only, for 16 Z spanner end fittings	for 6 parts	270	90	70	44
1233572	**1310-00**	Module only, for 9x12 mm spanner end fittings	for 7 parts	270	90	70	50
1233475	**1320-00**	Module only, for 14x18 mm spanner end fittings, small	for 5 parts	270	90	70	49
1233491	**1330-00**	Module only, for 14x18 mm spanner end fittings, large	for 4 parts	270	90	70	50
1233521	**1400-00**	Module only, fill-in piece without nest-holes	for 0 parts	270	90	70	49

SHEET METAL CASE EMTPY FOR TORCOFIX / MODULE

Use:
- Standard packaging for sets of the torque wrench series TORCOFIX
- Robust and solid, best for storage and transport
- Individually to fill up with flexible modules

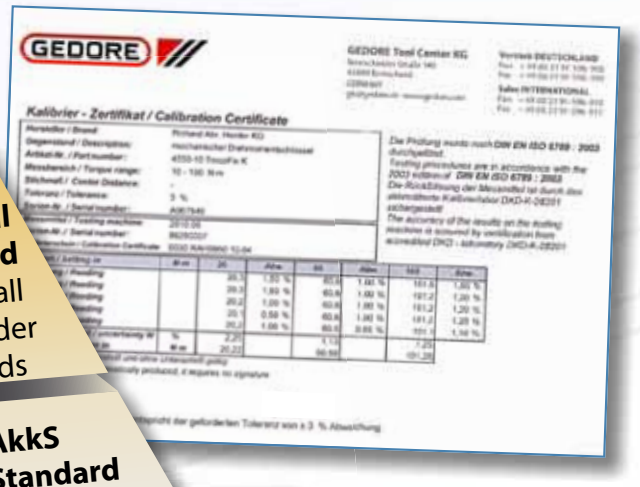
Inclusion:
- Solid and robust sheet metal case
- For torque wrench series TORCOFIX K/UK, SE, Z
- Hinges, locks and hand grip made of steel
- Paint finish: stove enamelled blue
- Individually to fill up with single modules according your demand (e.g. as a set or with several torque wrenches)

Scope of delivery:
- Sheet metal case only
- Delivery in sturdy cardboard packaging

Code	No.	Description	
1149199	**1001-90**	Sheet metal case empty for TORCOFIX and modules, 540x180x80 mm	2655
1149210	**1002-90**	Sheet metal case empty for TORCOFIX and modules, 810x180x80 mm	3854
1149202	**1003-90**	Sheet metal case empty for TORCOFIX and modules, 810x270x80 mm	5111
1255762	**1001-91**	Cut-out for lid for 1001-90	10
1255770	**1002-91**	Cut-out for lid for 1002-90	10
1255789	**1003-91**	Cut-out for lid for 1003-90	10

Deviant packing units see article description.

CERTIFIED PRECISION
TRACEABLE SAFETY



DKD CALIBRATION IN OUR OWN ACCREDITED DKD CALIBRATION LABORATORY

DKD-K-28201

IN-HOUSE CALIBRATION ACCORDING TO DIN EN ISO 6789:2003

DKD CALIBRATION
SCOPE OF SERVICES OFFERED BY DKD LABORATORY

	Measuring range	Measuring process	Minimum measurement inaccuracy indicated
Type	0,2 N·m – 3000 N·m	DKD 3-7	0,2%
Electr. torque wrench Calibration equipment torque wrench (test devices)	0,2 N·m – 3000 N·m	DKD 3-8	0,2%
Hand-operated torque wrench	0,2 N·m – 1000 N·m	DIN EN ISO 6789:2003	1%

FACTORY CALIBRATIONS

Type	Measuring range	Measuring process	Minimum measurement inaccuracy indicated
Electr. torque wrench	0,2 N·m – 3000 N·m	based on DKD 3-7	0,2%
Calibration equipment torque wrench (test devices)	0,2 N·m – 3000 N·m	based on DKD 3-8	0,2%
Hand-operated torque wrench	0,2 N·m – 1000 N·m	DIN EN ISO 6789:2003	1%
Electr. torque/rotary angle wrench	5 N·m – 300 N·m	BV-STO edition 07/2010 (for measuring angles)	0,2% (Md) 0,5% Measurement accuracy

FACTORY CALIBRATION - SOLID RELIABILITY!

WE GIVE YOU THE SECURITY YOU NEED

- Our repair service will repair your GEDORE torque wrenches within 5-7 working days.

- Our reasonably-priced factory calibration service fulfills the requirements according to DIN EN ISO 6789. Our proprietary accredited DKD calibration laboratory creates certificates in accordance with the applicable standards and requirements as per DKD 3-7 and DKD 3-8 as well as DIN EN ISO 6789:2003.

PLEASE NOTE THAT THE TORQUE WRENCH IS AN ITEM OF MEASURING EQUIPMENT.

5000 x

We recommend:
- Calibration once a year (DIN EN ISO 6789:2003)
- or after 500 load cycles (DIN EN ISO 6789:2003)

Your advantage:
- Torque wrench offering measurement accuracy
- Free* calibration service at Richard Abraham Herder KG in Solingen

*Only applies for items supplied by us (RAHSOL/GEDORE)
Full service package / services only apply for Germany.
Please enquire in our subsidiaries about the possibilities for your respective country.

DKD CALIBRATION 286

FACTORY CALIBRATION 287

REGULAR CALIBRATION, ADJUSTMENT AND CERTIFICATION

WHY IS THIS SO IMPORTANT?

- Only then can we guarantee the precision and reliability of our torque tools over the long term. We attach a great deal of importance to this as your safety is something which is close to our heart.
- Because we offer you the safety you require for everyday "controlled tightening".

GEDORE - competent control of the highest level

TORQUE TECHNOLOGY - FOR EXACT AND SAFE SCREWED CONNECTIONS

The use of regularly calibrated torque tools, quality bolts and the "right torque" are absolute prerequisites for safe screwed connections. It should go without saying that this involves the careful and correct selection and application of your torque tools. After all, bolts which are tightened based on a hunch represent a safety risk with potentially serious consequences. If the pre-tension force is too low, the screwed connection can loosen and if it is too high, there is a danger of breaking.

Torque technology is indispensable wherever exactly controlled screw tightening is required. And this involves more screwed connections that you'd think! Every day, our GEDORE tools prove their value in all types of industrial manufacturing, maintenance and repair areas as well as in the area of research and development.

In each of these areas, they offer user maximum safety. Whether standard products or special designs: the outstanding manufacturing quality and extensive service offered by GEDORE ensure continuous reliability, even under extreme conditions.

RECALIBRATION OF TORQUE TOOLS - WHY?

The availability of a once-off calibrated torque wrench is simply not enough in order to guarantee its precision over the long term. Accordingly, just like you have your car serviced regularly, in their capacity as precision measuring equipment, torque tools also require regular servicing.

Therefore, examine your torque tools at least every 5000 load cycles on a traceable calibrated test device. Annual inspection suffices where tools are only used sporadically. Where tools are used more intensively or screwed connections are involved which have safety relevance, we recommend maintaining inspections intervals of 3 to 6 months. Calibration should only be performed by authorised specialist personnel, an accredited DKD calibration laboratory or by the actual manufacturer.

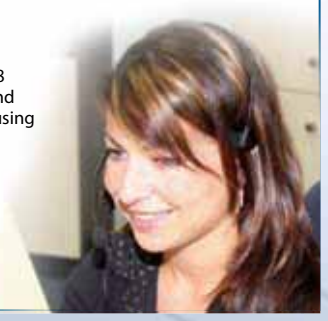
Depending on requirements, such maintenance can involve DKD calibration or factory calibration traceable to national standards.

TIP

Avail of the competent and swift factory calibration service offered by GEDORE for its torque tools or opt for the DKD calibration service (all makes). You torque tools will be returned within a few working days. And you can continue to use your tools displaying a new level of precision and certified safety without the risk of long downtimes.

Have you got an "intractable" bolt problem? Talk to your torque experts on the phone or in person.
Information is available from our service hotline. Ask about our competent calibration partners all over the world - and near you.

Service hotline: +49 (0)1804 37 36 68
(only € 0.20 per call from German land lines; deviations are possible when using mobile phones or service-providers)



GEDORE PRODUCTS - TRACEABLE TO NATIONAL STANDARDS

Traceability is the ultimate cut-off criterion for any calibration. Measuring results must be related to the national standard by means of a continuous chain of comparative measurements. Evidence can be provided in a direct comparison with the national standard or via several calibration steps by means of an indirect comparison with other standards associated with the national standard.

GEDORE torque tools are produced, adjusted, traceably calibrated and certified observing maximum quality demands. They are designed and manufactured in such a way that they comply with or even exceed the requirements of the applicable DIN EN ISO standards, whereby our stringent test and measurement equipment guidelines represent a quality mark of high product quality.

Each new torque wrench, torque screwdriver and test device includes a GEDORE factory test certificate in accordance with the respectively applicable standards. And it goes without saying that our factory test certificates are traceable to national standards.
Serial numbers on the product and on the certificate serve towards unambiguous product identification. On request, we can calibrated and certify your torque tools in our own DKD calibration laboratory and in accordance with DKD guidelines. Your tool is then traceable to national standards.

Werkskalibriert /2011 Richard Abr. Herder KG 5000 x In-house calibrated


Deutscher Kalibrierdienst (DKD)
Physikalisch-Technischen Bundesanstalt (PTB)
Deutschen AkkreditierungsRat
Akkreditierung
Drehmoment

TIP

Only rely on measurement results achieved using traceable calibrated measuring equipment. Only by association with national standards and therefore the international reference system are test results comparable and quality-based world-wide.

Traceable test equipment management has long been specified for certified companies (DIN EN ISO 9000 ff.).

The calibration hierarchy is depicted in pyramid form and demonstrates all of the levels of traceability currently in place. The fewer the steps from the test object to the national standard, the more reliable the measurement result. DKD calibration - directly traceable - guarantees a very accurate calibration result of the highest level.

CALIBRATION HIERARCHY: FROM NUTS AND BOLTS TO NATIONAL STANDARDS

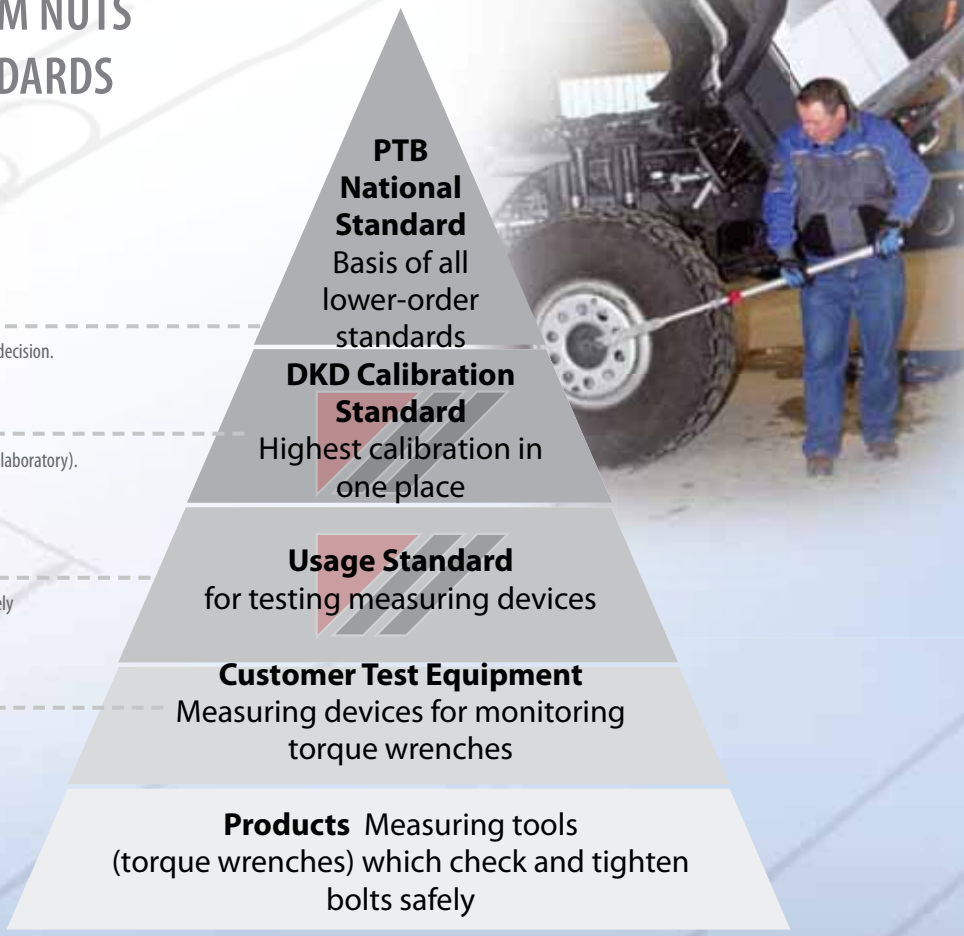
TORQUE MEASUREMENT

National standard / Primary standard:
Basis for specifying all subsequent standards of the corresponding size, by official decision. Developed and maintained in Germany by PTB, Braunschweig.

DKD calibration standard / Reference standard:
A standard representing the highest level of accuracy at a certain place (company, laboratory).

Working standard / Factory standard:
A standard which is calibrated in connection with a reference standard and routinely used to calibrate or examine measuring equipment.

Test equipment
Measuring equipment routinely used for calibrating or examining measuring tools (torque wrenches).



GEDORE COMPANY STANDARDS (RICHARD ABR. HERDER KG)

- In-house certification according to DIN EN ISO 9001:2000 (initial certification: 1996).
- Own DKD calibration laboratory for torque measurements (scope of accreditation to DKD: tests in accordance with DKD-R 3-7:2003; DKD-R 3-8:2003; DIN EN ISO 6789:2003) with DKD-K-28201 registration number.
- National co-operation partner to the German Calibration Service (DKD) since accreditation (DIN EN ISO / IEC 17025) and authorisation by PTB in 2000
- Mutual international recognition of calibration services among the following countries (EAL): e.g. Germany (DKD), Great Britain (UKAS), Austria (ÖKD), Switzerland (SCS), Australia (NATA), Belgium (BKO), Denmark (DANAK), Finland (FINAS), France (COFRAC), Italy (PRORE)...
- Official, regular examination of all test and measuring equipment in the DKD laboratory by the Physikalisch-Technische Bundesanstalt in Braunschweig (PTB) and Schatz AG
- Regular internal testing of all test and measuring equipment
- Production of all torque tools in accordance with international standards, primarily in accordance with the DIN EN ISO 6789 standards.
- All electronic torque wrenches or test equipment are developed and manufactured in accordance with the applicable CE Guidelines (EMC).
- Our torque screwdrivers and some torque wrench ranges are safe as regards electrostatic (ESD).

CONTENTS OF THE DIN EN ISO 6789 STANDARD

The majority of GEDORE torque tools are produced conformant to the requirements of the applicable DIN EN ISO 6789 standard or higher. This standard includes the following key quality and tolerance specifications as well as classifications:

- Torque tools are divided into type classes with the corresponding demands on accuracy (e.g. class A: actuating torque wrench +/- 4% or class D: dial-indicating screwdriver +/- 6%).
- Specification of the tolerance working area of a torque tool (20% to 100% of the respective maximum scale or tightening value).
- Guaranteed reproducibility and precision of the torque for at least 5000 load cycles
- Allocation of the square drive as regards nominal size and maximum torque value
- Exact specifications on the test process and test environment (e.g. temperature +18 °C - 28 °C and max. 1% measuring inaccuracy)
- Details governing measuring inaccuracy of test equipment (max. +/- 1% tolerance of the value shown)
- Specifications concerning scale and product marking

TESTED QUALITY

Werkskalibriert /2011 Richard Abr. Herder KG 5000 x In-house calibrated

Garancija Garantia 품질보증 保證書 Garanti Waarborg ضمان GARANTIE אחריות Garancie GARANZIA Takuu Гарантия 保証 GUARANTEE

DKD-K-28201

DIFFERENCES IN THE CONTENTS OF TEST CERTIFICATES

- The test certificate is a document certifying the accuracy of a torque tool at a certain time. There are differences in terms of form and content between factory test certificates or DKD calibration certificates depending on the product.
- All test certificates and calibration certificates have the following in common: They include exact details on the product name, product item number, working and/or measurement range, serial number, test equipment used, calibration result and the standard according to which tests were carried out. What's more, evidence of traceability as well as the tester's name and the date must also be indicated. This data ensures unambiguous product identification.
- One key difference between factory certificates and DKD calibration certificates concerns indication of the calibration result. The factory certificate does not take consideration of any measurement inaccuracies by test equipment at individual hierarchy steps. The calibration result of the DKD calibration certificate on the other hand includes both the measuring inaccuracy of the test item and test equipment.

FACTORY TEST CERTIFICATES FOR ADJUSTABLE AND PRE-SET TORQUE WRENCHES

- Factory test certificates for GEDORE torque tools - with scale (Richard Abr. Herder KG factory calibration)

- The test is performed at 20, 60 and 100% of the maximum measurement range of the torque tools to be tested. 5 measurements each are made at these 3 test points. The measurement results (actual values) are compared with the requisite values (target values) and examined for tolerance accuracy. If the measurement results are within the tolerance, a test certificate is automatically generated. If the test values are outside the tolerance, the tool is fine-adjusted and the test repeated.

- Factory test certificates for torque tools - without scale (Richard Abr. Herder KG factory calibration)
- Supplied pre-set to a fixed torque value in the factory: Adjustment to the torque requested by the customer. The test certificate confirms the recurrent accuracy of this fixed value over 5 measurements.
- Supplied without pre-setting - the customer adjusts the tool to the requisite torque value: The test method is the same as for torque wrenches with scale (see above). Here too, the customer receives a
- Test certificate with 5 measurements each performed on the 3 test points (20, 60 and 100% of the maximum measurement range).

GEDORE

GEDORE Tool Center KG

Kalibrier - Zertifikat / Calibration Certificate

Die Prüfung wurde nach DIN EN ISO 6789 : 2003 durchgeführt.
Testing procedures are in accordance with the 2003 edition of DIN EN ISO 6789 : 2003
Die Rückführung der Messmittel ist durch das akkreditierte Kalibrierlabor DKD-K-28201 sichergestellt.
The accuracy of the results on the testing machine is assured by certification from accredited DKD - laboratory DKD-K-28201

Der Drehmomentschlüssel entspricht der geforderten Toleranz von ± 3 % Abweichung

NOTE

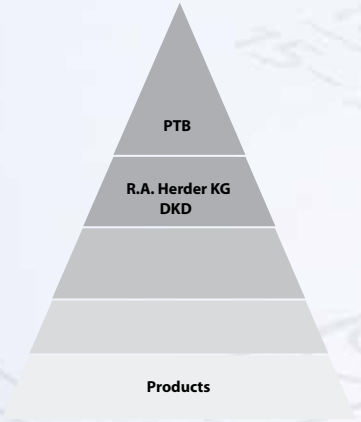
At Richard Abr. Herder KG, all GEDORE torque tools are subjected to a 100% quality check. We guarantee the tolerance accuracy of our tools in accordance with the applicable DIN standards.

NOTE

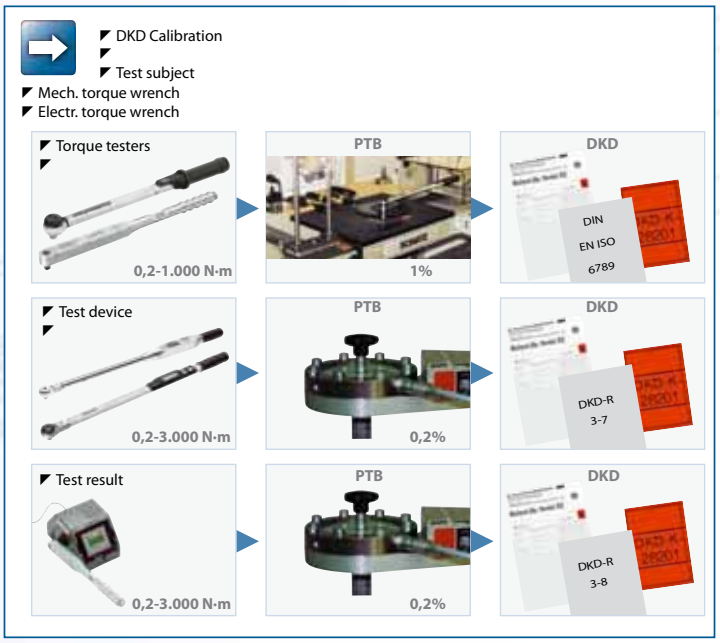
On request, all of our torque wrenches and test equipment can also be calibrated and certified in line with all DKD guidelines. Ask us about prices for DKD certification.

WE GIVE YOU THE SECURITY YOU NEED + +

DKD CALIBRATION - 100% DOCUMENTED SAFETY



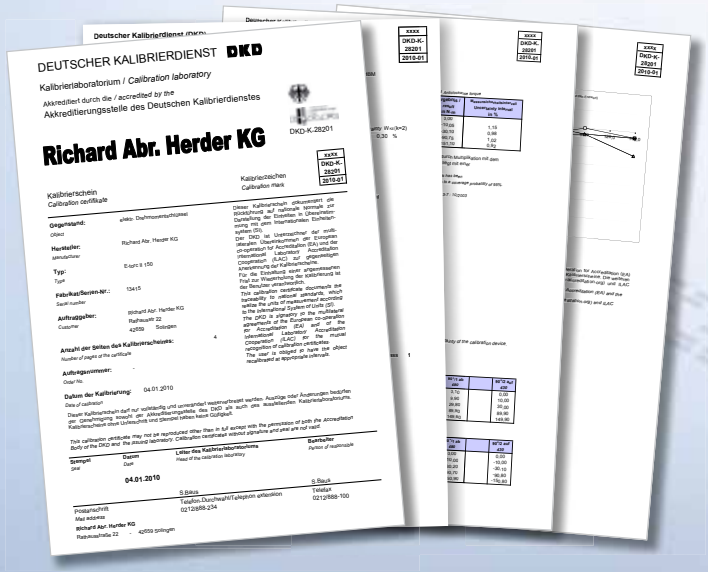
- Direct traceability to the national standard
- DKD calibrations to DKD Guidelines: DKD-R 3-7:2003; DKD-R 3-8:2003 and DIN EN ISO 6789:2003
- Minimum measurement inaccuracies
- DKD calibration of our own products and those of other manufacturers
- Air-conditioned laboratory controls under the most stringent conditions
- DKD calibration certificate and DKD calibration stamp



DKD CALIBRATION CERTIFICATE

The DKD calibration certificate documents the calibration result - the DKD calibration mark on the test item identifies the DKD laboratory performing calibration. Please note our registration number: DKD-K-28201. During the test process, the Richard Abr. Herder KG calibration laboratory is obliged to comply with the contractual criteria of the DAkkS (formerly DKD).

- Apart from the standard test certificate contents, the DKD calibration certificate also takes consideration of the measurement inaccuracies of the test equipment used. The documented calibration result includes the measuring inaccuracies of both the test item and the test equipment.
- DKD calibration therefore represents maximum safety for controlled tightening. We advise using it for larger test items or test equipment subject to continuous use.



Example:

- A torque wrench is calibrated in accordance with DIN EN ISO 6789:2003. Calibration is performed on test equipment approved by DKD (DAkkS).
- Depending on the design and type, the torque wrench is calibrated at ±4% or ±6%.
- In addition to measurement deviations, measurement inaccuracy is also documented in the DKD calibration certificate.
- The torque wrench can be used in accordance with the applicable DIN EN ISO standards.

DKD calibration equipment

- We calibrate your test equipment or torque wrenches on DKD-calibrated reference wrenches or test equipment. DKD calibrations of test equipment are performed regularly by PTB and/or Schatz. This fact ensures that the maximum possible accuracies and minimum possible measurement inaccuracies are provided. Before each calibration process, a preliminary test is performed in our DKD laboratory on each item of calibration equipment and on each reference wrench.

International recognition

- The DKD calibration certificate and therefore the measurement results listed are recognised in many other countries as official evidence of traceability. This is based on multilateral treaties.

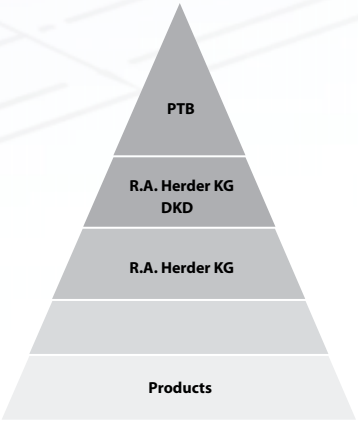
NOTE

Calibration always represents a snapshot! Within the framework of calibration, deviations in measurements and measurement inaccuracies are recorded on a certain date and documented accordingly in the calibration certificate. Using these calibration results, a statement can be made as regards tolerance accuracy since the previous calibration. No statement can however be made as regards future performance.

If you have any queries, simply call our service hotline:
+49 (0)1804 37 36 68.
(only € 0.20 per call from German land lines; prices may vary when using mobile phones or service-providers)

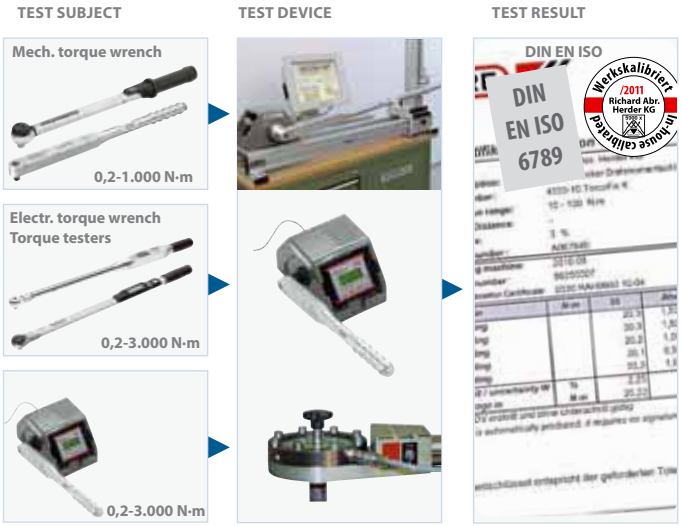
WE GIVE YOU THE SECURITY YOU NEED + +

FACTORY CALIBRATION - SOLID RELIABILITY!



- Direct traceability to the national standard
- Factory calibration according to the standard DIN EN ISO 6789:2003
- Factory calibration if necessary with adjustments and repairs - for GEDORE products only
- Factory test certificate and calibration stamp

FACTORY CALIBRATION



FACTORY TEST CERTIFICATE ACCORDING TO DIN EN ISO 6789:2003

- It contains information about the test item, measurement results, the test equipment used and the classification of the test item according to DIN EN ISO 6789:2003 (e.g. Type II Class A).
- The calibration is carried out on test equipment, which comply with the DIN EN ISO 6789:2003.
- The calibration result of the factory certificate does not take consideration of any measurement inaccuracies by test equipment at individual hierarchy steps.
- The documented measuring inaccuracies refers only to the test item.

NOTE

The generation of a factory test certificate in accordance with GEDORE criteria as well as adjustment and repair is exclusively possible for torque wrenches and test equipment manufactured by us.

Factory and DKD calibrations involve right calibration. Left calibration also available on request.

Depending on the requirements or customer requests, we calibrate in accordance with DKD guidelines or GEDORE criteria