







Torque Tools



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Torque competence from 0.02 to 54,000 N·m

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 individually 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 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 factory 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).



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15200-01-00
2013-04



Our all-round service - qualified and customised

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 tailored support in the following areas:

Top-level authorised calibration and competent control

- Own accredited DAKKS calibration laboratory for torques with (licence for testing in acc. with DAKKS guidelines DKD 3-7/3-8/DIN EN ISO 6789:2003) the registration number: D-K-15200-01-00
- National co-operation partner to the German Calibration Service (DAKKS) 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 DAKKS laboratory by the Physikalisch-Technische Bundesanstalt in Braunschweig (PTB)
- Internal precision testing of all test and measuring equipment at least once every 3 months

- In-house calibration according to DIN EN ISO 6789:2003
- DAKKS calibration in our own accredited DAKKS 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 / GEDORE SOLUTIONS



622 - 629



More information on the topics calibration types, certificates and repair service





Certified precision

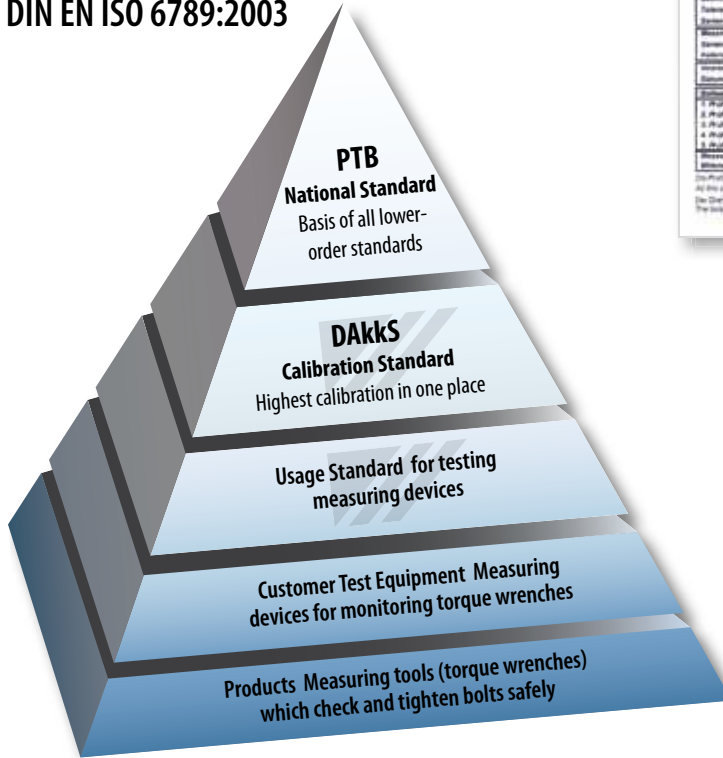
Traceable safety



DAkKS calibration in our own accredited, independent DAkKS calibration laboratory



In-house calibration according to DIN EN ISO 6789:2003



GEDORE
Werkzeuge für jeden

GEDORE Tool Center GmbH & Co. KG
Karlshagen, Germany

Kalibrier - Zertifikat / Calibration Certificate

Measuring point	Min.	Max.	Actual value	Min. error / Max. error	Min. error / Max. error
1. Prüfung / Reading	80.0	100.0	100.0	0.0 %	0.0 %
2. Prüfung / Reading	80.0	100.0	100.0	-0.1 %	-0.1 %
3. Prüfung / Reading	80.0	100.0	100.0	-0.1 %	-0.1 %
4. Prüfung / Reading	80.0	100.0	100.0	-0.1 %	-0.1 %
5. Prüfung / Reading	80.0	100.0	100.0	-0.1 %	-0.1 %

Fa. Richard Abr. Herder GmbH & Co. KG
Deutsche Akkreditierungsstelle GmbH
DAkKS

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2013-04

DAkKS calibration

Scope of services offered by DAkKS Laboratory

Type	Measuring range	Measuring process	Minimum measurement inaccuracy indicated
Electr. torque wrench	0,2 N·m - 3.000 N·m	DAkKS - DKD - R 3 - 7:2003	0,2 %
Calibration equipment torque wrench (test devices)	0,2 N·m - 3.000 N·m	DAkKS - DKD - R 3 - 8:2003	0,2 %
Hand-operated torque wrench	0,2 N·m - 1.000 N·m	DIN EN ISO 6789:2003	1 %

Factory calibration

Type	Measuring range	Measuring process	Minimum measurement inaccuracy indicated
Electr. torque wrench	0,2 N·m - 1.000 N·m	DIN EN ISO 6789:2003	1 %
Calibration equipment torque wrench (test devices)	0,2 N·m - 3.000 N·m	based on DAkKS-DKD 3-8:2003	0,5 %
Hand-operated torque wrench	0,2 N·m - 1.000 N·m	DIN EN ISO 6789:2003	1 %
Electr. torque/rotary angle wrench	5 N·m - 300 N·m	VDI 2647	0,3°
		based on VDI 2648	0,5°
		Homologation acc. OEM	0,3°

More information on the topics calibration types, certificates and repair service

622 - 629

Torques and forces

There are different methods to tighten a screw connection. The mechanic works manually and intuitively when using open-ended spanners or ring spanners. The mechanic evaluates if the screw connection fits securely i.e. tightly according to the resistance at the spanner.

Seems logical, however, this process is not reliable.

Only modern processes can be taken into account when tightening important screw connections with guaranteed pre-loads as e.g. tightening with torque wrenches (with or without pivoting angle), motor-driven tightening processes, tightening with ultrasound (to determine pre-load) or tightening with yield stress determination.

Experience has shown that the use of torque tools is sensible. Torque wrenches are a must where controlled screw tightening is required.

The following explanatory remarks and terminology explanations are intended for giving you a rough insight into the world of controlled screw tightening.



i What is tightening torque?

The tightening torque is the force specified in Newton metres (N·m) which is generated at the end of a lever and creates a corresponding pre-tension force on a screw connection.

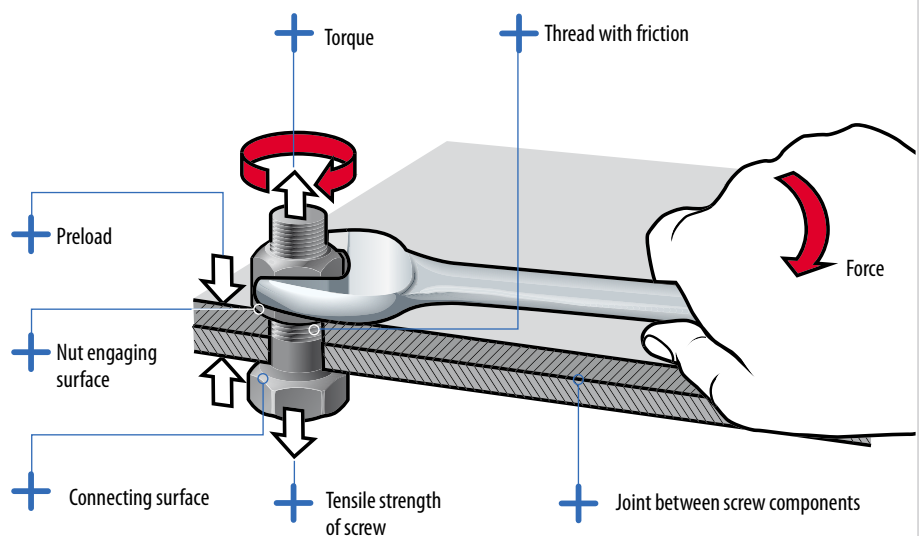
That might be e.g. the square drive of a torque wrench or, as shown in the diagram, the open end of a spanner.

The screw-tightening torque consists of the thread tightening torque and the seat frictional torque (screw head or nut seat).

In the process, the seat's frictional torque does not contribute to an increase in the pre-tension force.

i Working principle

The diagram shows how two metal plates are joined together (pressed together) in a plug-type screw connection by the tightening of one nut. The angle of pitch of the thread is responsible for the resulting tensile force produced in the screw. A wind-up force is caused by a tensile force. This pre-tension force is decisive for the optimum screw connection. Why? An optimally tightened screw connection develops sufficient resistance against being loosened. If the pre-tension force is too weak, the screw connection might vibrate or loosen. If the pre-tension is too great, the danger exists that the screw connection might fracture. You can achieve the optimum pre-tension force with the correct tightening torque. Every screw connection has a certain tightening torque for various fastening requirements. Only if these values are taken into consideration it is possible to tighten a screw connection to a certain pre-tension force in a manner which is safe, works properly and is cost-effective.

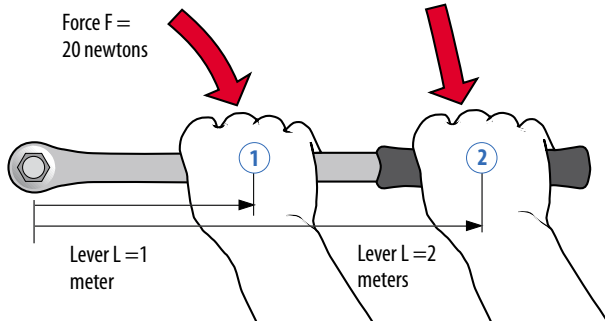




How is the torque measured?

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 $M_A = \text{Force } F \times \text{Lever } L$

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 „ $M_A = F \times L$ “.

- (1) $M_A = F \times L = 20 \text{ N} \times 1 \text{ m} = 20 \text{ N}\cdot\text{m}$ (newton meters)
- (2) $M_A = F \times L = 20 \text{ N} \times 2 \text{ m} = 40 \text{ N}\cdot\text{m}$ (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 DREMOMETER® ... Handgrip with user aid

Operable without inaccuracies

DREMOMETER Type MINI - F

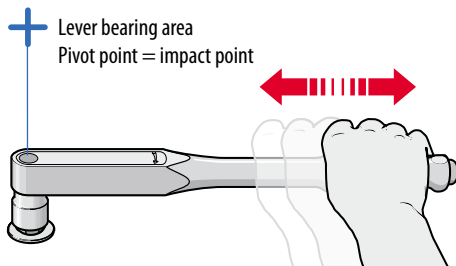
In the DREMOMETER, we got around the physical principle explained above using constructional cleverness. Irrespective of where you apply the force - whether it be in the middle of the handgrip or at another position of the DREMOMETER, whether it be with both hands or using an extension tube - the torque 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 accuracy.

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.

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

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

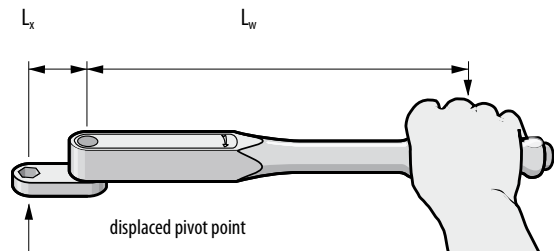


DREMOMETER with spanners

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 so-called 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.

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. Note: Do not use end fittings together with a DREMOMETER with integrated ratchet!

F = Hand pressure
 M_{xw} = Set torque, which has to be set on the scale of the DREMOMETER
 M_A = Tightening torque, used to tighten the screw or nut
 l_w = Distance from the middle of the square drive of the DREMOMETER to the middle of the handgrip
 l_x = Distance from the middle of the square drive of the DREMOMETER to the middle of the screw or nut (also called depth gauge end fitting)



DREMOMETER TYPE MINI

279



DREMOMETER TYPE AM-F

264 - 277





Overview of GEDORE torque tools

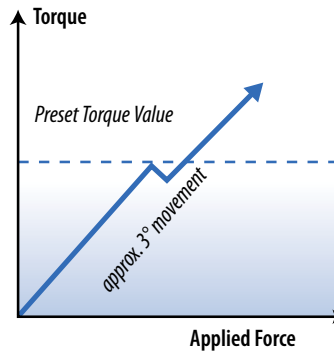
	Series/Type	Precision	Drive	Ratchet	Scale	Operation length independent	Release types
		+ / -					
0,2 - 3.000 N-m Mech. torque wrench							
279	DREMOMETER MINI	3 %	1/4"				①
264 - 277	DREMOMETER AM - F	3 %	1/4" > 1/2"				①
268	DREMOMETER BCK	3 %	1/2"				①
280	DREMOMETER Z	3 %	16 22 28				①
281	DREMOMETER SE	3 %	9x12 14x18				①
279	DREMOMETER FS	6 %	1/4"				①
286	DREMASTER DMK	3 %	1/2" > 3/4"				①
286	DREMASTER DMUK	3 %	1/2"				①
288	DREMASTER DMZ	3 %	16 22				①
289	DREMASTER DMSE	3 %	9x12 14x18				①
291 - 292	TORCOFIX K / UK	3 %	1/4" > 3/4"				①
293	TORCOFIX K US	3 %	1/4" > 3/4"				①
294	TORCOFIX Z	3 %	16 22				①
295	TORCOFIX SE	3 %	9x12 14x18				①
295	TORCOFIX FS	3 %	9x12 14x18				①
303	TSN SLIPPER	4 %	1/4" > 1/4"				②
305	TBN KNICKER	4 % 6 %	16 9x12 (760-00/01)				③
306	ATB	4 %	16 9x12				③
301	TSP SLIPPER	6 %	1/4" > 1/2"				②
301	TSC SLIPPER	6 %	1/4"				②
307	Typ 83	4 %	1/4" > 1"				
306	Typ 88	4 %	3/4" 22				③
0,02 - 13,6 N-m Torque screwdriver							
300	Typ 755 FS	6 %	1/4"				②
299	Typ 756 S	6 %	1/4"				②
298	Typ 757 S	6 %	1/4"				②
300	Typ 758 SP	6 %	1/4"				
2 - 1.000 N-m Electr. torque wrench							
309	TORCOTRONIC III	1 %	1/2"				
308	E-TORC II	1 %	1/4"				
0,5 - 3.150 N-m Torque testers							
310	Dremotest E	1 %	1/4" > 1 1/2"				
311	E-TP	1 %	1/4" > 1 1/2"				



Different Torque Tool Mechanisms

	Range N-m																
	5	10	15	20	40	60	80	100	150	200	300	400	500	750	1000	1500	2000
Mech. torque wrench																	
2 - 12 N-m																	
6 - 3000 N-m																	
40 - 200 N-m																	
8 - 1000 N-m																	
8 - 400 N-m																	
1-14 N-m																	
20 - 850 N-m																	
20 - 300 N-m																	
20 - 850 N-m																	
20 - 400 N-m																	
1 - 850 N-m																	
10 lbf-in - 600 lbf-ft																	
2 - 850 N-m																	
2 - 400 N-m																	
2 - 200 N-m																	
5 - 125 N-m																	
0,4 - 135 N-m																	
5 - 100 N-m																	
1 - 10 N-m																	
1 - 10 N-m																	
0,8 - 2000 N-m																	
100 - 1500 N-m																	
Torque screwdriver																	
0,04 - 13,6 N-m																	
0,08 - 9 N-m																	
0,2 - 9 N-m																	
10 - 500 cN-m/ 14 ozfin - 40 lbf-in																	
Electr. torque wrench																	
10 - 350 N-m																	
2 - 1000 N-m																	
Torque testers																	
0,2 - 3150 N-m																	
0,5 - 3150 N-m																	

Click Tools (Overtightening Possible)

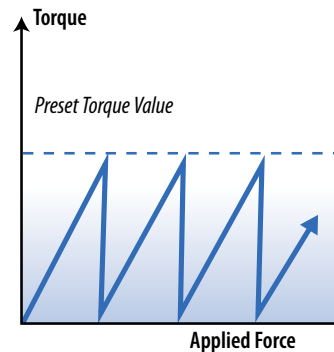


① Overtightening Possible

When the preset torque value is reached the operator will hear a click, feel an impulse and there will be approximately 3° of tool movement. Resetting takes place when the hand pressure is released. Work can then immediately continue. These tools are generally length dependent (exception DREMOMETER models AM - F), the position of the hand on the tool alters the torque produced. Continued application of force after the 3° of movement will cause the torque applied to increase above the required preset limit.



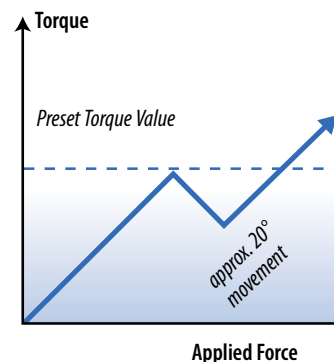
Slipping Tools (Overtightening Impossible)



② Overtightening Impossible

When the preset torque value is reached, a mechanism in the tool causes the application of torque to cease and the tool slips free for a short time until resetting occurs. Even if the application of force is repeated, the preset torque value will not be exceeded, therefore making it impossible to overtighten a fastener. These tools are not length dependent.

Breaking Tools (Overtightening Unlikely)



③ Overtightening Unlikely

When the preset torque value is reached, these tools break at a specific point along the tool's length - usually at a pivot point near the tool's head. In most cases the movement is approximately 20°. The tool is automatically reset by allowing the handle to return to its in line position. These tools are length dependent, the position of the hand on the tool alters the torque produced. Continued application of force after 20° of tool movement will increase the torque applied above the preset limit but with the greater angle of tool movement this is less likely.

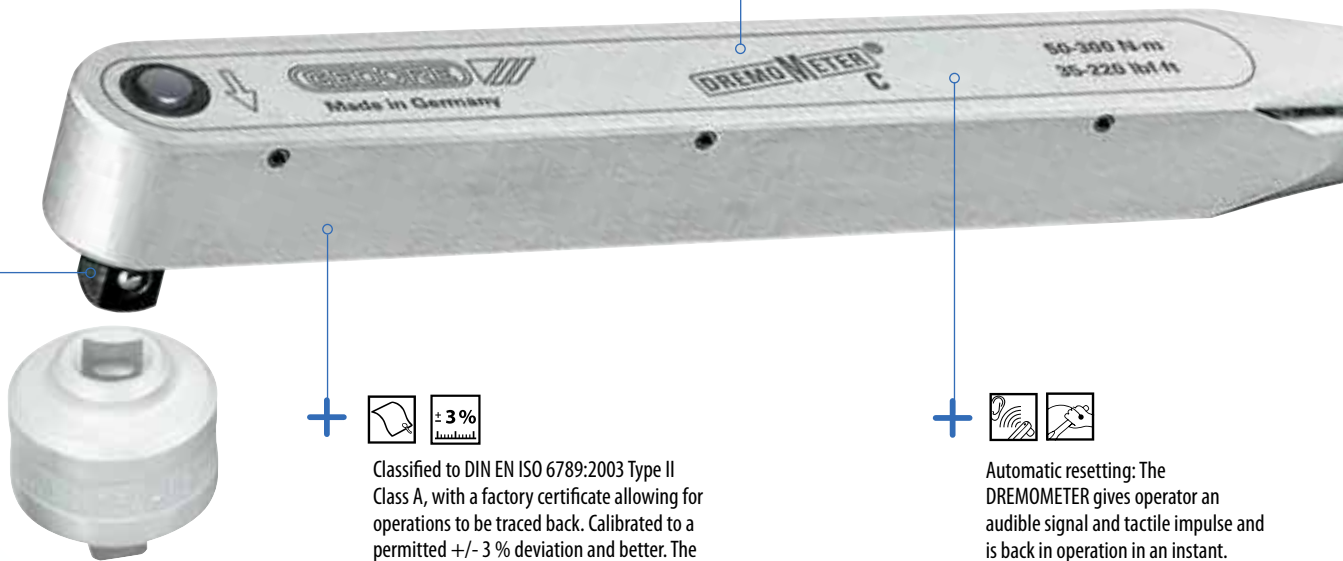


DREMOMETER – permanent precision

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.



Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate allowing for operations to be traced back. Calibrated to a permitted +/- 3 % deviation and better. The specifications of the standard (+/- 4 %) are exceeded.



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



 1/4 - 1/2 6-3000 N-m



 L 1/2 - 1 6-2000 N-m



Z 16 22 28 8-1000 N-m



SE 9x12 14x18 8-400 N-m

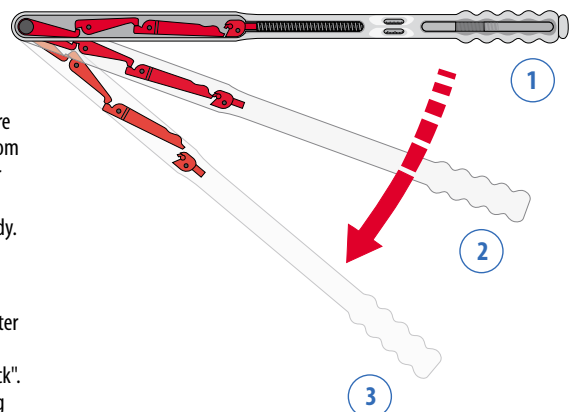
Working principle

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).



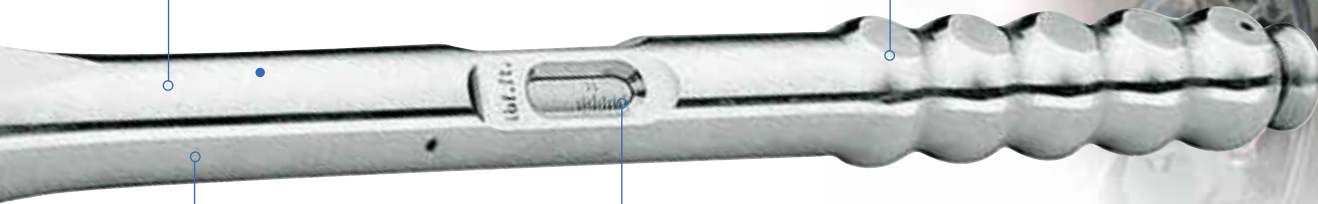


Maximum precision: Extended tool life and long life-cycle even if used intensely.

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

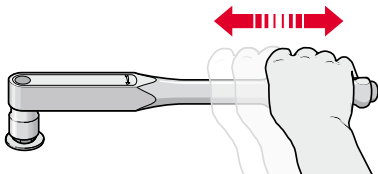
Serial number on the wrench and on the certificate for unambiguous product identification, traceable via in-house DAKkS laboratory to national standards

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

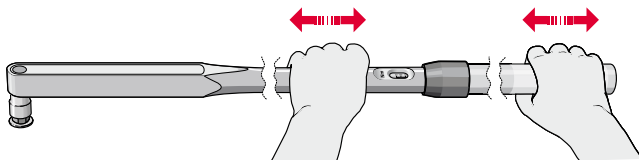


DREMOMETER Type MINI - F Operable without inaccuracies

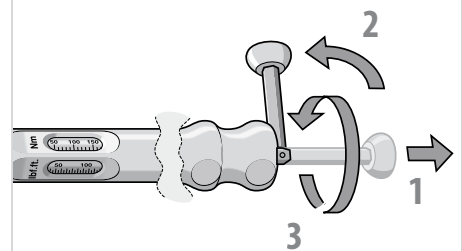
Regardless of where you apply the force, at the center of the handgrip or another part of the DREMOMETER, with both hands or using an extension tube, your torque setting will always be attained, without shifts in value. Due to its unique single-axis location of the centre of rotation and the output square drive, the DREMOMETER is a tool that can be operated free from errors. In contrast to conventional torque wrenches, this single lever enables tightening without shifts in the measured value and without interference caused by activation outside of the handgrip.



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



Features



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.



A+S

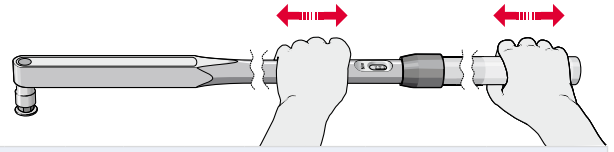
All DREMOMETERS are also available with locking and safety device (A+S).
























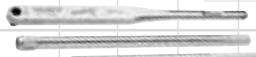





The DREMOMETER

The Original

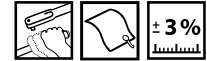
- ▶ **Lightweight and sturdy, very workshop-friendly**
- ▶ **Maximum precision even when subjected to extreme continuous use**



Drive	Range N-m	
	5 10 15 20 40 60 80 100 150 200 300 400 500 600 700 800 1000 1250 1500 1750 2000 3000	
6,3 1/4"	6 - 30 N-m	
	Typ AM / AML	
10 3/8"	8 - 40 N-m	
	Typ A / AL	
12,5 1/2"	20 - 120 N-m	
	Typ B / BL	
 Type B, BC, C with push-button release	40 - 200 N-m	
	Typ BC / BCL	
	Type BCK with integrated ratchet function	
	50 - 300 N-m	
	Typ C / CL	
	80 - 360 N-m	
	Typ CD / CDL	
	110 - 550 N-m	
	Typ DS / DSL	
20 3/4"	140 - 760 N-m	
	Typ D / DL	
	Typ DR / DRL	
	520 - 1000 N-m	
	Typ DX / DXL	
	600 - 1500 N-m	
	Typ EK / EKL	
25 1"	750 - 2000 N-m	
	Typ E / EL	
40 1 1/2"	1500 - 5000 N-m	
	Typ F	



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.
- This ensures a high degree of user safety; can be extended to reduce the user's working load.

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.
- Extremely low wear

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.
- Easy operation - fast and safe torque tightening

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. The specification of the standard (+/- 4 %) is exceeded.

Type	N-m	lbf-in	lbf-ft	Scale	Tube	Code	No.
AM	6-30	50-270	-	1 N-m / 10 lbf-in	-	7775440	8554-01
AML	6-30	50-270	-	1 N-m / 10 lbf-in	-	7775870	8559-01
A	8-40	70-350	-	5 N-m / 50 lbf-in	-	7682000	8560-01
AL	8-40	70-350	-	5 N-m / 50 lbf-in	-	7682190	8565-01
B	20-120	-	15-90	5 N-m / 5 lbf-ft	-	7683320	8561-01
BL	20-120	-	15-90	5 N-m / 5 lbf-ft	-	7683400	8566-01
BC	40-200	-	30-150	5 N-m / 5 lbf-ft	-	7685530	8573-00
BCL	40-200	-	30-150	5 N-m / 5 lbf-ft	-	7683670	8578-00
BCK	40-200	-	30-150	5 N-m / 5 lbf-ft	-	1905449	8573-10
C	50-300	-	35-220	5 N-m / 5 lbf-ft	-	7685450	8562-10
CL	50-300	-	35-220	5 N-m / 5 lbf-ft	-	7685960	8567-10
CD	80-360	-	60-260	5 N-m / 5 lbf-ft	-	7688470	8570-10
CDL	80-360	-	60-260	5 N-m / 5 lbf-ft	-	7688710	8575-10
DS	110-550	-	80-400	10 N-m / 10 lbf-ft	-	1427156	8574-10
DSL	110-550	-	80-400	10 N-m / 10 lbf-ft	-	1427121	8579-10
D	140-760	-	100-560	10 N-m / 10 lbf-ft	-	7691500	8563-10
DL	140-760	-	100-560	10 N-m / 10 lbf-ft	-	7691850	8568-10
DR	140-760	-	100-560	10 N-m / 10 lbf-ft	8571-80	7670180	8563-01
DRL	140-760	-	100-560	10 N-m / 10 lbf-ft	8571-80	7670500	8568-01
DX	520-1000	-	380-730	10 N-m / 10 lbf-ft	8571-80	7694010	8571-01
DXL	520-1000	-	380-730	10 N-m / 10 lbf-ft	8571-80	7694360	8576-01
EK	600-1500	-	-	25 N-m	8564-92	2311267	8581-01
EKL	600-1500	-	-	25 N-m	8564-92	2311291	8586-01
E	750-2000	-	-	50 N-m	8564-92 / 8572-74	7695250	8564-01
EL	750-2000	-	-	50 N-m	8564-92 / 8572-74	7695410	8569-01
F	1500-3000	-	-	50 N-m	8564-92 / 8572-74	7717160	8572-01





8554 AM - 8559 AML

TORQUE WRENCH DREMOMETER 6-30 N-m / 50-270 lbf-in

Use:

- Controlled screw tightening in the range 6-30 N-m / 50-270 lbf-in
- 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.
- 1/4" square drive with ball locking device DIN 3120 - A 6.3 ISO 1174
- Automatic short-path actuation with tactile impulse and audible signal
- Dual scale with a scale graduation of 1 N-m and 10 lbf-in

Technical advantage/Function:

- 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

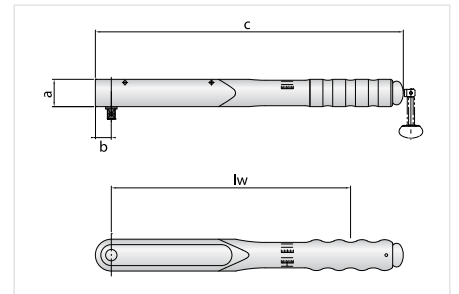
6.3
1/4"



AM



AML



Type	■"	■	Contents	N-m	lbf-in	lw	a	b	c	Scale	Weight	Code	No.
AM	1/4	6.3	in plastic box	6-30	50-270	207	30	15	268	1 N-m / 10 lbf-in	0.580	7775440	8554-01
AM	1/4	6.3	in plastic cassette	6-30	50-270	207	30	15	268	1 N-m / 10 lbf-in	0.910	7674090	8554-02
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	6-30	50-270	207	30	15	268	1 N-m / 10 lbf-in	1.300	7674170	8554-03
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	6-30	50-270	207	30	15	268	1 N-m / 10 lbf-in	1.300	7674410	8554-04
AML	1/4	6.3	in plastic box	6-30	50-270	207	30	15	268	1 N-m / 10 lbf-in	0.580	7775870	8559-01
AML	1/4	6.3	in plastic cassette	6-30	50-270	207	30	15	268	1 N-m / 10 lbf-in	0.910	7673790	8559-02
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	6-30	50-270	207	30	15	268	1 N-m / 10 lbf-in	1.300	7675060	8559-03
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	6-30	50-270	207	30	15	268	1 N-m / 10 lbf-in	1.300	7675140	8559-04



8560 A - 8565 AL

TORQUE WRENCH DREMOMETER 8-40 N·m / 70-350 lbf·in**Use:**

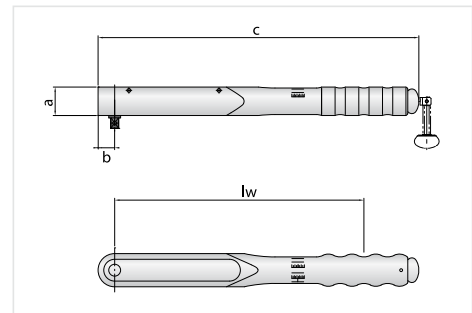
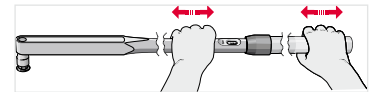
- Controlled screw tightening in the range 8-40 N·m / 70-350 lbf·in
- For use in almost all industrial manufacturing areas

Features:

- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: $\pm 3\%$ tolerance of scale set torque. The specification of the standard ($\pm 4\%$) is exceeded.
- 3/8" square drive with ball locking device DIN 3120 - A 10, ISO 1174
- Automatic short-path actuation with tactile impulse and audible signal
- Dual scale with a scale graduation of 5 N·m and 50 lbf·in

Technical advantage/Function:

- 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

10
3/8"

Type	■"	■	Contents	N·m	lbf·in	lw	a	b	c			Code	No.
	3/8	10	in plastic box	8-40	70-350	263	30	17.5	338	5 N·m / 50 lbf·in	1.0	7682000	8560-01
	3/8	10	in a sheet-metal case	8-40	70-350	263	30	17.5	338	5 N·m / 50 lbf·in	2.2	7682270	8560-02
	3/8	10	Set mm ○ 8 10 11 13 14 15 17 19 ● 4 5 6 8 ⊕ 754-01 125 + 250 mm	8-40	70-350	263	30	17.5	338	5 N·m / 50 lbf·in	3.1	7682430	8560-03
	3/8	10	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	8-40	70-350	263	30	17.5	338	5 N·m / 50 lbf·in	3.0	7683160	8560-04
	3/8	10	in plastic box	8-40	70-350	263	30	17.5	338	5 N·m / 50 lbf·in	1.0	7682190	8565-01
	3/8	10	in a sheet-metal case	8-40	70-350	263	30	17.5	338	5 N·m / 50 lbf·in	2.2	7682350	8565-02
	3/8	10	Set mm ○ 8 10 11 13 14 15 17 19 ● 4 5 6 8 ⊕ 754-01 125 + 250 mm	8-40	70-350	263	30	17.5	338	5 N·m / 50 lbf·in	3.1	7682940	8565-03
	3/8	10	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	8-40	70-350	263	30	17.5	338	5 N·m / 50 lbf·in	3.0	7683240	8565-04



8561 B - 8566 BL

TORQUE WRENCH DREMOMETER 20-120 N-m / 15-90 lbf-ft

Use:

- Controlled screw tightening in the range 20-120 N-m / 15-90 lbf-ft
- For use in almost all industrial manufacturing areas

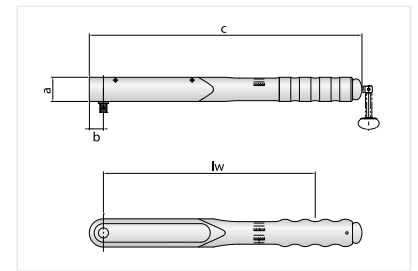
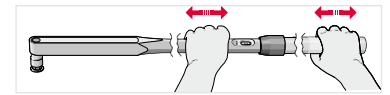
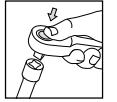
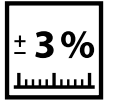
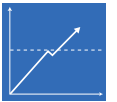
Features:

- 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.
- 1/2" square drive with ball locking device DIN 3120 - A 12.5, ISO 1174
- Automatic short-path actuation with tactile impulse and audible signal
- Dual scale with a scale graduation of 5 N-m and 5 lbf-ft
- With push-button release**

Technical advantage/Function:

- 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

6.3 1/4"



Type	□"	■	Contents	N-m	lbf-ft	lw	a	b	c	Scale	Weight	Code	No.
B	1/2	12.5	in plastic box	20-120	15-90	374	30	17.5	462	5 N-m / 5 lbf-ft	1.5	7683320	8561-01
B	1/2	12.5	in a sheet-metal case	20-120	15-90	374	30	17.5	462	5 N-m / 5 lbf-ft	2.8	7683830	8561-02
B	1/2	12.5	Set mm ○ 11 13 14 17 19 22 24 ● 6 8 10 12 ☉ 754-02 ← 76 + 125 + 250 mm	20-120	15-90	374	30	17.5	462	5 N-m / 5 lbf-ft	4.7	7684480	8561-03
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	20-120	15-90	374	30	17.5	462	5 N-m / 5 lbf-ft	5.3	7684990	8561-04
BL	1/2	12.5	in plastic box	20-120	15-90	374	30	17.5	462	5 N-m / 5 lbf-ft	1.5	7683400	8566-01
BL	1/2	12.5	in a sheet-metal case	20-120	15-90	374	30	17.5	462	5 N-m / 5 lbf-ft	2.8	7684130	8566-02
BL	1/2	12.5	Set mm ○ 11 13 14 17 19 22 24 ● 6 8 10 12 ☉ 754-02 ← 76 + 125 + 250 mm	20-120	15-90	374	30	17.5	462	5 N-m / 5 lbf-ft	4.7	7684640	8566-03
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	20-120	15-90	374	30	17.5	462	5 N-m / 5 lbf-ft	5.3	7685100	8566-04



8573 BC - 8578 BCL

TORQUE WRENCH DREMOMETER 40-200 N-m / 30-150 lbf-ft**Use:**

- Controlled screw tightening in the range 40-200 N-m / 30-150 lbf-ft
- For use in almost all industrial manufacturing areas

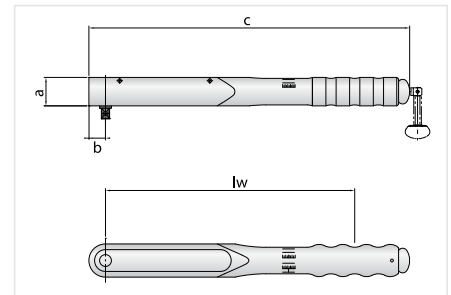
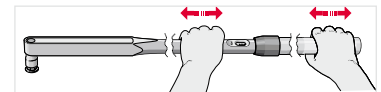
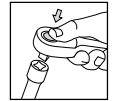
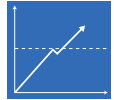
Features:

- 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.
- 1/2" square drive with ball locking device DIN 3120 - A 12.5, ISO 1174
- Automatic short-path actuation with tactile impulse and audible signal
- Dual scale with a scale graduation of 5 N-m and 5 lbf-ft
- With push-button release**

Technical advantage/Function:

- 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

12.5 1/2



Type	■"	■	Contents	N-m	lbf-ft	lw	a	b	c			Code	No.
BC	1/2	12.5	in plastic box	40-200	30-150	463	30	17.5	551	5 N-m / 5 lbf-ft	1.4	7685530	8573-00
BC	1/2	12.5	in a sheet-metal case	40-200	30-150	463	30	17.5	551	5 N-m / 5 lbf-ft	3.5	7683590	8573-02
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	40-200	30-150	463	30	17.5	551	5 N-m / 5 lbf-ft	5.1	7683910	8573-03
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	40-200	30-150	463	30	17.5	551	5 N-m / 5 lbf-ft	4.9	7684720	8573-04
BCL	1/2	12.5	in plastic box	40-200	30-150	463	30	17.5	551	5 N-m / 5 lbf-ft	1.3	7683670	8578-00
BCL	1/2	12.5	in a sheet-metal case	40-200	30-150	463	30	17.5	551	5 N-m / 5 lbf-ft	3.5	7683750	8578-02
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	40-200	30-150	463	30	17.5	551	5 N-m / 5 lbf-ft	5.1	7684050	8578-03
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	40-200	30-150	463	30	17.5	551	5 N-m / 5 lbf-ft	4.9	7684210	8578-04



8573-10 BCK

TORQUE WRENCH DREMOMETER WITH INTEGRATED RATCHET 40-200 N-m / 30-150 lbf-ft

Use:

- ✔ Controlled screw tightening in the range 40-200 N-m / 30-150 lbf-ft
- ✔ For use in almost all industrial manufacturing areas

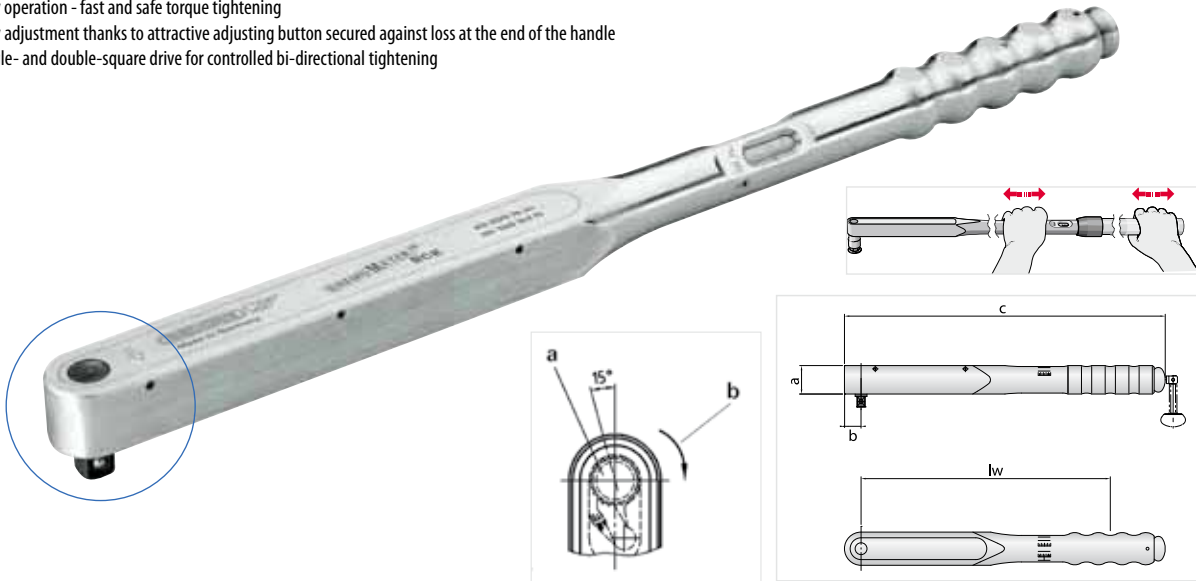
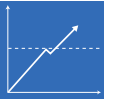
Features:

- ✔ 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.
- ✔ 1/2" square drive with ball locking device DIN 3120 - A 12.5, ISO 1174
- ✔ Automatic short-path actuation with tactile impulse and audible signal
- ✔ Dual scale with a scale graduation of 5 N-m and 5 lbf-ft
- ✔ **With integrated ratchet function (no extra ratchet necessary)**

Technical advantage/Function:

- ✔ 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

12.5 1/2"



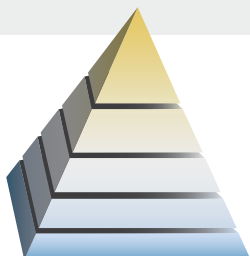
Type	□"	□	Contents	N-m	lbf-ft	lw	a	b	c	Scale	Icon	Code	No.
BCK	1/2	12.5	in plastic box	40-200	30-150	463	35	20.0	554	5 N-m / 5 lbf-ft	1.4	1905449	8573-10



➔ DVV-40ZRS 329



➔ OUR ALL-ROUND SERVICE - QUALIFIED AND CUSTOMISED 622 - 629



DAkks

➔ K 19 • D 19 232 • 210





8562 C - 8567 CL

TORQUE WRENCH DREMOMETER 50-300 N-m / 35-220 lbf-ft**Use:**

- Controlled screw tightening in the range 50-300 N-m / 35-220 lbf-ft
- For use in almost all industrial manufacturing areas

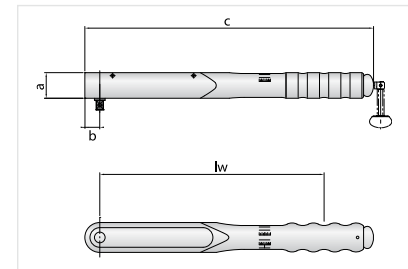
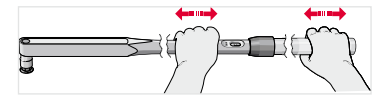
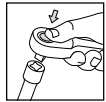
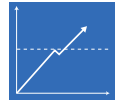
Features:

- 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.
- 1/2" square drive with ball locking device DIN 3120 - A 12.5, ISO 1174
- Automatic short-path actuation with tactile impulse and audible signal
- Dual scale with a scale graduation of 5 N-m and 5 lbf-ft

With push-button release**Technical advantage/Function:**

- 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

12.5 1/2



Type	"	kg	Contents	N-m	lbf-ft	lw	a	b	c	Scale	kg	Code	No.
C	1/2	12.5	in plastic box	50-300	35-220	529	30	17.5	617	5 N-m / 5 lbf-ft	2.0	7685450	8562-10
C	1/2	12.5	in a sheet-metal case	50-300	35-220	529	30	17.5	617	5 N-m / 5 lbf-ft	3.6	7686340	8562-20
C	1/2	12.5	Set mm ○ 17 19 22 24 27 30 32 ● 8 10 12 14 754-02 ← 76 + 125 + 250 mm	50-300	35-220	529	30	17.5	617	5 N-m / 5 lbf-ft	6.0	7687070	8562-30
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	50-300	35-220	529	30	17.5	617	5 N-m / 5 lbf-ft	6.2	7687820	8562-40
CL	1/2	12.5	in plastic box	50-300	35-220	529	30	17.5	617	5 N-m / 5 lbf-ft	2.0	7685960	8567-10
CL	1/2	12.5	in a sheet-metal case	50-300	35-220	529	30	17.5	617	5 N-m / 5 lbf-ft	3.6	7686690	8567-20
CL	1/2	12.5	Set mm ○ 17 19 22 24 27 30 32 ● 8 10 12 14 754-02 ← 76 + 125 + 250 mm	50-300	35-220	529	30	17.5	617	5 N-m / 5 lbf-ft	6.0	7687310	8567-30
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	50-300	35-220	529	30	17.5	617	5 N-m / 5 lbf-ft	6.2	7688120	8567-40



8570 CD - 8575 CDL

TORQUE WRENCH DREMOMETER 80-360 N-m / 60-260 lbf-ft

Use:

- Controlled screw tightening in the range 80-360 N-m / 60-260 lbf-ft
- For use in almost all industrial manufacturing areas

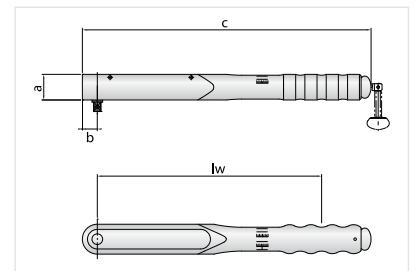
Features:

- 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.
- 3/4" square drive with pin-locking mechanism as per DIN 3120 - B 20, ISO 1174
- Automatic short-path actuation with tactile impulse and audible signal
- Dual scale with a scale graduation of 5 N-m and 5 lbf-ft

Technical advantage/Function:

- 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

20 3/4"



Type	■"	■	Contents	N-m	lbf-ft	lw	a	b	c	📏	🏭	Code	No.
CD	3/4	20	📦 in plastic box	80-360	60-260	624	30	22.5	717	5 N-m / 5 lbf-ft	2.4	7688470	8570-10
CD	3/4	20	📦 in a sheet-metal case	80-360	60-260	624	30	22.5	717	5 N-m / 5 lbf-ft	6.2	7689280	8570-20
CD	3/4	20	📏 Set mm ⊙ 19 22 24 27 30 32 🔧 754-04 📏 200 + 400 mm	80-360	60-260	624	30	22.5	717	5 N-m / 5 lbf-ft	11.0	7689950	8570-30
CD	3/4	20	📏 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	80-360	60-260	624	30	22.5	717	5 N-m / 5 lbf-ft	11.3	7690530	8570-40
CDL	3/4	20	📦 in plastic box	80-360	60-260	624	30	22.5	717	5 N-m / 5 lbf-ft	2.4	7688710	8575-10
CDL	3/4	20	📦 in a sheet-metal case	80-360	60-260	624	30	22.5	717	5 N-m / 5 lbf-ft	6.2	7689520	8575-20
CDL	3/4	20	📏 Set mm ⊙ 19 22 24 27 30 32 🔧 754-04 📏 200 + 400 mm	80-360	60-260	624	30	22.5	717	5 N-m / 5 lbf-ft	11.0	7690290	8575-30
CDL	3/4	20	📏 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	80-360	60-260	624	30	22.5	717	5 N-m / 5 lbf-ft	11.3	7691180	8575-40



8574 DS - 8579 DSL

TORQUE WRENCH DREMOMETER 110-550 N·m / 80-400 lbf·ft**Use:**

- Controlled screw tightening in the range 110-550 N·m / 80-400 lbf·ft
- For use in almost all industrial manufacturing areas

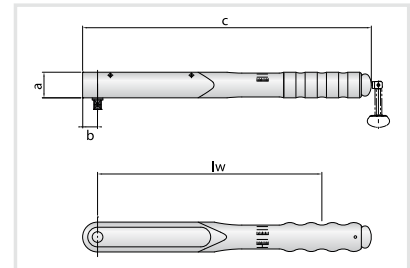
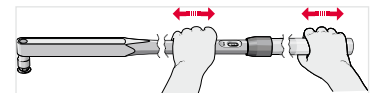
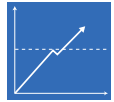
Features:

- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: $\pm 3\%$ tolerance of scale set torque. The specification of the standard ($\pm 4\%$) is exceeded.
- 3/4" square drive with pin-locking mechanism DIN 3120 - B 20, ISO 1174
- Automatic short-path actuation with tactile impulse and audible signal
- Dual scale with a scale graduation of 10 N·m and 10 lbf·ft

Technical advantage/Function:

- 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

20 3/4"



Type	□"	■	Contents	N·m	lbf·ft	lw	a	b	c			Code	No.
DS	3/4	20	in plastic box	110-550	80-400	719	35	22.5	812	10 N·m / 10 lbf·ft	2.9	1427156	8574-10
DS	3/4	20	in a sheet-metal case	110-550	80-400	719	35	22.5	812	10 N·m / 10 lbf·ft	6.7	1436112	8574-20
DSL	3/4	20	in plastic box	110-550	80-400	719	35	22.5	812	10 N·m / 10 lbf·ft	2.9	1427121	8579-10
DSL	3/4	20	in a sheet-metal case	110-550	80-400	719	35	22.5	812	10 N·m / 10 lbf·ft	6.7	1436120	8579-20



→ 754 278

→ 920 · 922 531



8563 D - 8568 DL

TORQUE WRENCH DREMOMETER 140-760 N-m / 100-560 lbf-ft

Use:

- Controlled screw tightening in the range 140-760 N-m / 100-560 lbf-ft
- For use in almost all industrial manufacturing areas

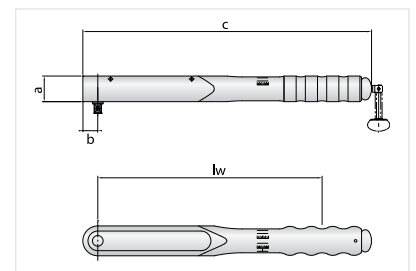
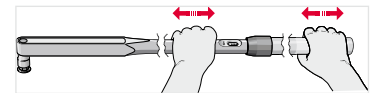
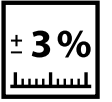
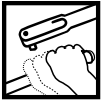
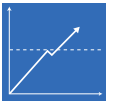
Features:























- 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.
- 3/4" square drive with pin-locking mechanism DIN 3120 - B 20, ISO 1174
- Automatic short-path actuation with tactile impulse and audible signal
- Dual scale with a scale graduation of 10 N-m and 10 lbf-ft

Technical advantage/Function:

- 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

20 3/4"



Type	■"	■	Contents	N-m	lbf-ft	lw	a	b	c			Code	No.
 D	3/4	20	 in plastic box	140-760	100-560	719	35	22.5	812	10 N-m / 10 lbf-ft	3.2	7691500	8563-10
 D	3/4	20	 in a sheet-metal case	140-760	100-560	719	35	22.5	812	10 N-m / 10 lbf-ft	7.7	7692070	8563-20
 D	3/4	20	 Set mm ○ 22 24 27 30 32 36 41 46 ⊗ 754-04  200 + 400 mm	140-760	100-560	719	35	22.5	812	10 N-m / 10 lbf-ft	13.6	7692660	8563-30
 D	3/4	20	 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	140-760	100-560	719	35	22.5	812	10 N-m / 10 lbf-ft	13.3	7693200	8563-40
 DL	3/4	20	 in plastic box	140-760	100-560	719	35	22.5	812	10 N-m / 10 lbf-ft	3.2	7691850	8568-10
 DL	3/4	20	 in a sheet-metal case	140-760	100-560	719	35	22.5	812	10 N-m / 10 lbf-ft	7.7	7692310	8568-20
 DL	3/4	20	 Set mm ○ 22 24 27 30 32 36 41 46 ⊗ 754-04  200 + 400 mm	140-760	100-560	719	35	22.5	812	10 N-m / 10 lbf-ft	13.6	7692900	8568-30
 DL	3/4	20	 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	140-760	100-560	719	35	22.5	812	10 N-m / 10 lbf-ft	13.3	7693550	8568-40

**8563 DR - 8568 DRL****TORQUE WRENCH DREMOMETER 140-760 N·m / 100-560 lbf·ft****Use:**

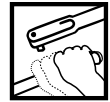
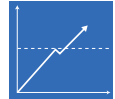
- Controlled screw tightening in the range 140-760 N·m / 100-560 lbf·ft
- For use in almost all industrial manufacturing areas

Features:

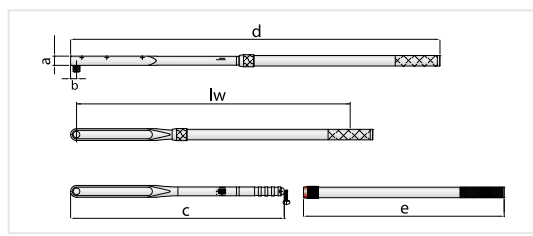
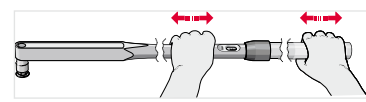
- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: +/- 3% tolerance of scale set torque. The specification of the standard (+/- 4%) is exceeded.
- 3/4" square drive with pin-locking mechanism DIN 3120 - B 20, ISO 1174
- Automatic short-path actuation with tactile impulse and audible signal
- Dual scale with a scale graduation of 10 N·m and 10 lbf·ft

Technical advantage/Function:

- 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

20 3/4"DR LKW
8563-35

8563-03



Type	□	■	Contents	N·m	lbf·ft	lw	a	b	c	d	e	Tube	Scale	Code	No.
DR	3/4"	20	in plastic box with extension tube	140-760	100-560	1297	35	22.5	812	1413	762	8571-80	10 N·m / 10 lbf·ft	5.0	7670180 8563-01
DR	3/4"	20	in a sheet-metal case with extension tube	140-760	100-560	1297	35	22.5	812	1413	762	8571-80	10 N·m / 10 lbf·ft	8.8	7670260 8563-02
DR	3/4"	20	Set mm ○ 22 24 27 30 32 36 41 46 ⊗ 754-04 ← 200 + 400 mm	140-760	100-560	1297	35	22.5	812	1413	762	8571-80	10 N·m / 10 lbf·ft	14.4	7670340 8563-03
DR	3/4"	20	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	140-760	100-560	1297	35	22.5	812	1413	762	8571-80	10 N·m / 10 lbf·ft	16.7	7670420 8563-04
DRL	3/4"	20	in plastic box with extension tube	140-760	100-560	1297	35	22.5	812	1413	762	8571-80	10 N·m / 10 lbf·ft	5.0	7670500 8568-01
DRL	3/4"	20	in a sheet-metal case with extension tube	140-760	100-560	1297	35	22.5	812	1413	762	8571-80	10 N·m / 10 lbf·ft	8.8	7670690 8568-02
DRL	3/4"	20	Set mm ○ 22 24 27 30 32 36 41 46 ⊗ 754-04 ← 200 + 400 mm	140-760	100-560	1297	35	22.5	812	1413	762	8571-80	10 N·m / 10 lbf·ft	14.4	7670770 8568-03
DRL	3/4"	20	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	140-760	100-560	1297	35	22.5	812	1413	762	8571-80	10 N·m / 10 lbf·ft	16.7	7670850 8568-04
DR-LKW	3/4"	20	Set mm ○ 27 30 32 ⊗ 754-04 ← 400 mm	140-760	100-560	1297	35	22.5	812	1413	762	8571-80	10 N·m / 10 lbf·ft	12.3	7670930 8568-35



8571 DX - 8576 DXL

TORQUE WRENCH DREMOMETER 520-1000 N·m / 380-730 lbf·ft

Use:

- Controlled screw tightening in the range 520-1000 N·m / 380-730 lbf·ft
- For use in almost all industrial manufacturing areas

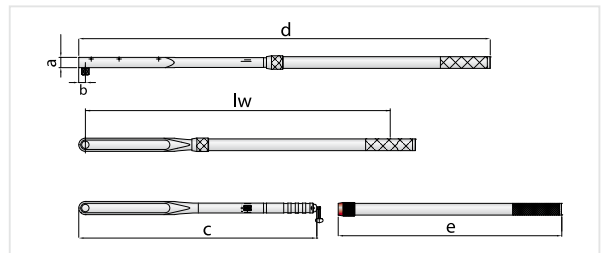
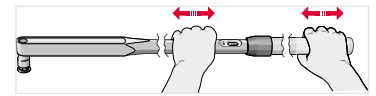
Features:

- 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.
- 3/4" square drive with pin-locking mechanism DIN 3120 - B 20, ISO 1174
- Automatic short-path actuation with tactile impulse and audible signal
- Dual scale with a scale graduation of 10 N·m and 10 lbf·ft

Technical advantage/Function:

- 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

20 $\frac{3}{4}$ "



Type	□"	■	Contents	N·m	lbf·ft	lw	a	b	c	d	e	Tube			Code	No.
DX	3/4	20	in plastic box with extension tube	520-1000	380-730	1297	35	22.5	812	1413	762	8571-80	10 N·m / 10 lbf·ft	5.6	7694010	8571-01
DX	3/4	20	in a sheet-metal case with extension tube	520-1000	380-730	1297	35	22.5	812	1413	762	8571-80	10 N·m / 10 lbf·ft	10.0	7694520	8571-02
DX	3/4	20	Set mm ○ 30 32 36 41 46 50 ⊗ 754-04 200 + 400 mm	520-1000	380-730	1297	35	22.5	812	1413	762	8571-80	10 N·m / 10 lbf·ft	16.8	7694870	8571-03
DX	3/4	20	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	520-1000	380-730	1297	35	22.5	812	1413	762	8571-80	10 N·m / 10 lbf·ft	16.0	7695170	8571-04
DXL	3/4	20	in plastic box with extension tube	520-1000	380-730	1297	35	22.5	812	1413	762	8571-80	10 N·m / 10 lbf·ft	5.6	7694360	8576-01
DXL	3/4	20	in a sheet-metal case with extension tube	520-1000	380-730	1297	35	22.5	812	1413	762	8571-80	10 N·m / 10 lbf·ft	10.0	7694600	8576-02
DXL	3/4	20	Set mm ○ 30 32 36 41 46 50 ⊗ 754-04 200 + 400 mm	520-1000	380-730	1297	35	22.5	812	1413	762	8571-80	10 N·m / 10 lbf·ft	16.8	7694950	8576-03
DXL	3/4	20	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	520-1000	380-730	1297	35	22.5	812	1413	762	8571-80	10 N·m / 10 lbf·ft	16.0	7695330	8576-04



8581 EK - 8586 EKL

TORQUE WRENCH DREMOMETER 600-1500 N·m**Use:**

- Controlled screw tightening in the range 600-1500 N·m
- For use in almost all industrial manufacturing areas

Features:

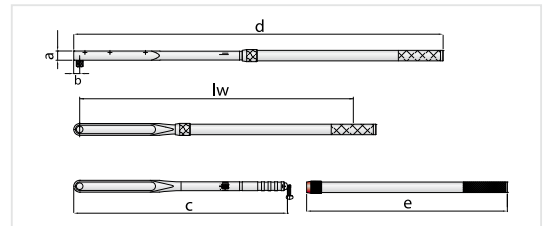
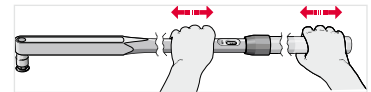
- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: +/- 3% tolerance of scale set torque. The specification of the standard (+/- 4%) is exceeded.

- 1" square drive with pin-locking mechanism DIN 3120 - B25, ISO 1174
- Automatic short-path actuation with tactile impulse and audible signal
- Single scale with a scale graduation of 25 N·m

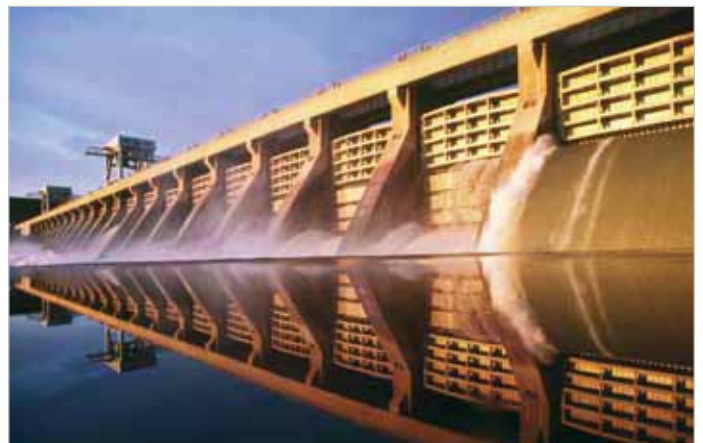
Technical advantage/Function:

- 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

25 1"



Type	█"	█	Contents	N·m	lw	a	b	c	d	e	Tube			Code	No.
EK 1	1	25	with 1 extension tube	600-1500	1473	40	30.0	932	1608	925	8564-92	25 N·m	10.8	2311267	8581-01
EK 1	1	25	in sheet-metal case with 1 extension tube	600-1500	1473	40	30.0	932	1608	925	8564-92	25 N·m	24.3	2311275	8581-02
EK 1	1	25	Set mm ⊙ 36 41 46 50 55 60 65 70 ⊙ 754-06 200 + 400 mm	600-1500	1473	40	30.0	932	1608	925	8564-92	25 N·m	42.4	2311283	8581-03
EKL 1	1	25	with 1 extension tube	600-1500	1473	40	30.0	932	1608	925	8564-92	25 N·m	10.8	2311291	8586-01
EKL 1	1	25	in sheet-metal case with 1 extension tube	600-1500	1473	40	30.0	932	1608	925	8564-92	25 N·m	24.3	2311305	8586-02
EKL 1	1	25	Set mm ⊙ 36 41 46 50 55 60 65 70 ⊙ 754-06 200 + 400 mm	600-1500	1473	40	30.0	932	1608	925	8564-92	25 N·m	42.4	2311313	8586-03





8564 E - 8569 EL

TORQUE WRENCH DREMOMETER 750-2000 N·m

Use:

- ✔ Controlled screw tightening in the range 750-2000 N·m
- ✔ For use in almost all industrial manufacturing areas

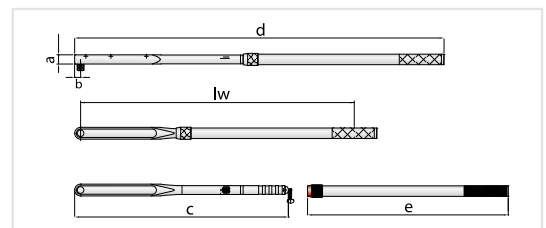
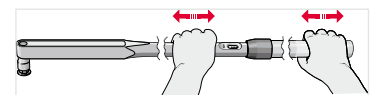
Features:













- ✔ 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.
- ✔ 1" square drive with pin-locking mechanism DIN 3120 - B25, ISO 1174
- ✔ Automatic short-path actuation with tactile impulse and audible signal
- ✔ Single scale with a scale graduation of 50 N·m

Technical advantage/Function:

- ✔ 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

25 1"



Type	█"	█	Contents	N·m	lw	a	b	c	d	e	f	Tube		 Code	No.
	1	25	 with 2 extension tubes	750-2000	2218	40	30.0	932	2353	925	745	8564-92 / 8572-74	50 N·m	11.6 7695250	8564-01
E	1	25	 in sheet-metal case with 2 extension tubes	750-2000	2218	40	30.0	932	2353	925	745	8564-92 / 8572-74	50 N·m	24.3 7695680	8564-02
E	1	25	 Set mm with 2 extension tubes	750-2000	2218	40	30.0	932	2353	925	745	8564-92 / 8572-74	50 N·m	42.4 7696060	8564-03
E	1	25	 Set mm ⊙ 36 41 46 50 55 60 65 70 ⊙ 754-06  200 + 400 mm	750-2000	2218	40	30.0	932	2353	925	745	8564-92 / 8572-74	50 N·m	11.6 7695410	8569-01
EL	1	25	 with 2 extension tubes	750-2000	2218	40	30.0	932	2353	925	745	8564-92 / 8572-74	50 N·m	24.3 7695840	8569-02
EL	1	25	 in sheet-metal case with 2 extension tubes	750-2000	2218	40	30.0	932	2353	925	745	8564-92 / 8572-74	50 N·m	42.4 7696140	8569-03
EL	1	25	 Set mm ⊙ 36 41 46 50 55 60 65 70 ⊙ 754-06  200 + 400 mm	750-2000	2218	40	30.0	932	2353	925	745	8564-92 / 8572-74	50 N·m		