## TORQUE TOOLS

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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.

Top-level authorised calibration and competent control

› Own accredited DAkkS calibration laboratory for torques with licence for testing in acc. with DAkkS guidelines DKD 3-773-B/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

Controlled screw tightening - reliable and safe for more than 50 years

› Top-grade industrial quality for the hardest of continuous uses
› Torque tools are measuring equipment. Over the long term, the high accuracy can only be assured in the form of regular tests (recalibration, recommended once a year or after 5000 load cycles)

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 tailor-made support in the following areas:

› 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
CERTIFIED PRECISION

Traceable safety

- DAkkS calibration in our own accredited, independent DAkkS calibration laboratory
- In-house calibration according to DIN EN ISO 6789:2003

DAkkS

Calibration Standard (1)
Highest calibration in one place

Usage Standard (2)
For testing measuring devices

DAkkS-CALIBRATION

Scope of services offered by DAkkS Laboratory (1)

<table>
<thead>
<tr>
<th>Type</th>
<th>Measuring range</th>
<th>Measuring process</th>
<th>Minimum measurement inaccuracy indicated</th>
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<tr>
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<td>0,2 N·m – 3.000 N·m</td>
<td>DAkkS – DKD – R 3 – 7:2003</td>
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Factory calibration (2)

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INFO

More information on the topics calibration types, certificates and repair service
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<th>Precision +/-</th>
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<td>0,04 – 13,6 N·m</td>
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<td>0,2 – 3.150 N·m</td>
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</table>
Different Torque Tool Mechanisms

**Click Tools**

Overtightening Possible

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

**Breaking Tools**

Overtightening Unlikely

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

**Slipping Tools**

Overtightening Impossible

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

<table>
<thead>
<tr>
<th>Torque Tool Mechanism</th>
<th>Preset Torque Value</th>
<th>Applied Force</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Click Tools</strong></td>
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<tr>
<td><strong>Breaking Tools</strong></td>
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<tr>
<td><strong>Slipping Tools</strong></td>
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</tbody>
</table>

**Torque Values**

- **Mech. torque wrench**
  - 2,5 – 12 N·m
  - 6 – 3.000 N·m
  - 8 – 1.000 N·m
  - 8 – 400 N·m
- 5 – 12 N·m
  - 20 – 850 N·m
  - 20 – 300 N·m
  - 20 – 850 N·m
  - 20 – 400 N·m
- 1 – 850 N·m
  - 2 – 850 N·m
  - 2 – 400 N·m
  - 2 – 200 N·m
  - 5 – 125 N·m
  - 0,4 – 135 N·m
- 1 – 10 N·m
  - 1 – 10 N·m
  - 0,8 – 2.000 N·m
  - 100 – 1.500 N·m
- **Torque screwdriver**
  - 0,04 – 13,6 N·m
  - 0,08 – 9 N·m
  - 0,2 – 9 N·m
  - 0,1 – 5,0 N·m
- **Elect. torque wrench**
  - 2 – 1.000 N·m
  - 10 – 350 N·m
- **Torque testers**
  - 0,2 – 3.150 N·m
  - 0,5 – 3.150 N·m
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.

Model
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.

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.

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

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

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

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.

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.

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

All DREMOMETERS are also available with locking and safety device (A+S).
Pre-set value locking and safety device (A+S) eliminates the possibility of unintentional or manipulated adjustment, thereby representing more process reliability of the user.
### DREMOMETER
THE ORIGINAL

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

<table>
<thead>
<tr>
<th>Drive Range N·m</th>
<th>Drive Code</th>
<th>Tube Code</th>
<th>Scale</th>
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<tr>
<td>6 – 30 N·m</td>
<td>AM,AML</td>
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**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.
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

Type a "a" Code No.

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**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: +/- 3% tolerance of scale set torque. The specification of the standard (+/- 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

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8561 B - 8566 BL
TORQUE WRENCH DREMOMETER
25-120 N·m / 18-90 lbf·ft

Use:
› Controlled screw tightening in the range 25-120 N·m / 18-90 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

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# 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

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### Contents

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### Type

- **BC**: in plastic box
- **BCL**: in a sheet-metal case

### Specifications

- **In mm**
  - 11 13 14 17 19 21 22 24 27
  - 6 8 10 12
  - 125 + 250 mm
- **In INCH**
  - 1/2 9/16 5/8 11/16 3/4 13/16 7/8
  - 5/16 3/8 1/2 9/16
  - 125 + 250 mm
8562 C - 8567 CL
TORQUE WRENCH DREMOMETER
60-300 N·m / 45-220 lbf·ft

Use:
› Controlled screw tightening in the range 60-300 N·m / 45-220 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

Type            Contents N·m lbf·ft lw a b c Tube Code No.
---             ------- ------- ------- ------- ------- ------- ------- ------- -------
CR             1/2 12.5
               in plastic box 60-300 45-220 529 30 17.5 617 8577-700 5 N·m / 5 lbf·ft 2.7 2926997 8562-001
CR             1/2 12.5
               in plastic box 60-300 45-220 529 30 17.5 617 – 5 N·m / 5 lbf·ft 2.0 7685450 8562-10
CR             1/2 12.5
               in a sheet-metal case 60-300 45-220 529 30 17.5 617 – 5 N·m / 5 lbf·ft 3.6 7686340 8562-20
CR             1/2 12.5
               in a sheet-metal case 60-300 45-220 529 30 17.5 617 – 5 N·m / 5 lbf·ft 6.0 7687070 8562-30
CL             1/2 12.5
               in plastic box 60-300 45-220 529 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 60-300 45-220 529 30 17.5 617 – 5 N·m / 5 lbf·ft 3.6 7686690 8567-20
CL             1/2 12.5
               in a sheet-metal case 60-300 45-220 529 30 17.5 617 – 5 N·m / 5 lbf·ft 6.0 7687310 8567-30
CL             1/2 12.5
               in plastic box 60-300 45-220 529 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 60-300 45-220 529 30 17.5 617 – 5 N·m / 5 lbf·ft 3.6 7686690 8567-20
CL             1/2 12.5
               in a sheet-metal case 60-300 45-220 529 30 17.5 617 – 5 N·m / 5 lbf·ft 6.0 7687310 8567-30

Type | N·m | lbf·ft | lw | a | b | c | Tube | Code | No.
-----|-----|-------|----|---|---|---|------|------|-----
1/2  | 12.5|       |    |   |   |   |      |      |     

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

<table>
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<th>Type</th>
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<th>lbf·ft</th>
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</tbody>
</table>
**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: +/− 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

<table>
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<th>Type</th>
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<th>lbf·ft</th>
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<th>b</th>
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<td>80-400</td>
<td>719</td>
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<td>22.5</td>
<td>812</td>
<td>10 N·m / 10 lbf·ft</td>
<td>6.7</td>
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8563 D - 8568 DL
TORQUE WRENCH DREMOMETER
155-760 N·m / 115-560 lbf·ft

Use:
› Controlled screw tightening in the range 155-760 N·m / 115-560 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 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

<table>
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8563 DR - 8568 DRL
TORQUE WRENCH DREMOMETER
155-760 N·m / 115-560 lbf·ft

Use:
› Controlled screw tightening in the range 155-760 N·m / 115-560 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

Content: N·m lbf·ft lw a b c d e Tube Code No.
DR 3/4 20 in plastic box with extension tube 155-760 115-560 1,290.5 35 22.5 812 1403 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 155-760 115-560 1,290.5 35 22.5 812 1403 762 8571-80 10 N·m / 10 lbf·ft 8.8 7670260 8563-02
DR 3/4 20 in a plastic box with extension tube 155-760 115-560 1,290.5 35 22.5 812 1403 762 8571-80 10 N·m / 10 lbf·ft 14.4 7670340 8563-03
DR 3/4 20 in a sheet-metal case with extension tube 155-760 115-560 1,290.5 35 22.5 812 1403 762 8571-80 10 N·m / 10 lbf·ft 16.7 7670420 8563-04
DRL 3/4 20 in plastic box with extension tube 155-760 115-560 1,290.5 35 22.5 812 1403 762 8571-80 10 N·m / 10 lbf·ft 5.0 7670500 8568-01
DRL 3/4 20 in a metal case with extension tube 155-760 115-560 1,290.5 35 22.5 812 1403 762 8571-80 10 N·m / 10 lbf·ft 8.8 7670690 8568-02
DRL 3/4 20 in a plastic box with extension tube 155-760 115-560 1,290.5 35 22.5 812 1403 762 8571-80 10 N·m / 10 lbf·ft 14.4 7670770 8568-03
DRL 3/4 20 in a metal case with extension tube 155-760 115-560 1,290.5 35 22.5 812 1403 762 8571-80 10 N·m / 10 lbf·ft 16.7 7670850 8568-04
DR-LKW 3/4 20 in a plastic box 155-760 115-560 1,290.5 35 22.5 812 1403 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

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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

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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
8572 F
TORQUE WRENCH DREMOMETER
1500-3000 N·m

Use:
› Controlled screw tightening in the range 1500-3000 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.
› 1.1/2" square drive with pin-locking mechanism DIN 3121 - F 40, ISO 1174
› Automatic short-path actuation with tactile impulse and audible signal
› Single scale with scale graduation 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 square drive for controlled clockwise tightening

After being used, torque wrenches should where possible be turned back to the minimum scale value. This helps to preserve the springs and ensures a longer product life cycle with high precision.

On request, all torque wrenches can be factory pre-set - at extra charge - . When ordering, please specify the N·m value.
RATCHET HEADS DREMOMETER 754

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

754
RATCHET HEAD DREMOMETER

Use:
- Enables controlled torque tightening in combination with a DREMOMETER torque wrench (Type MINI - E)
Features:
- 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)
- Anti-clockwise models (no. 754-11 to -16)
- Made of chrome-vanadium steel
Scope of delivery:
- Ratchet head
- Single packed in poly-bag

<table>
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<tr>
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* Max. continuous load of ratchet according to DIN EN ISO 6789:2003 and/or maximum load of cavity

8564 - 8572
EXTENSION TUBES FOR DREMOMETER E - F

Use:
- Spare extension tube for torque wrench series DREMOMETER E - F
- To enable high torque values by means of extending the lever arm
Features:
- Guarantees proof connection to the DREMOMETER

Use: 8571 - 8577
EXTENSION TUBES ALU FOR DREMOMETER A - CD

Use:
- Spare extension tube for torque wrench series DREMOMETER A - CD, DR, DX
- To enable high torque values by means of extending the lever arm
Features:
- Guarantees proof connection to the DREMOMETER

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

<table>
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<th>Use</th>
<th>Use</th>
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<td>8577-700</td>
<td>8577-80</td>
</tr>
</tbody>
</table>
753
TORQUE WRENCH DREMOMETER MINI
2.5-12 N·m / 22-106 lbf·in

Use:
› Controlled screw tightening in the range 2.5 - 12 N·m / 22.5 - 106 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.
› 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 micrometre 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
› With certificate acc. to DIN EN ISO 6789:2003, traceable via in-house DAkkS laboratory to national standards

<table>
<thead>
<tr>
<th>Type</th>
<th>Contents</th>
<th>N·m</th>
<th>lbf·in</th>
<th>hw</th>
<th>a</th>
<th>b</th>
<th>c</th>
<th>±</th>
<th>Code No.</th>
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<td>MINI</td>
<td>1/4 6.3</td>
<td>2.5-12</td>
<td>22.5-106</td>
<td>130</td>
<td>28</td>
<td>14</td>
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<td>28</td>
<td>14</td>
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763
TORQUE WRENCH DREMOMETER T-FS
pre-set, 5-12 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 8 pre-set models for serial production
› For controlled clockwise tightening
› 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 DAkkS laboratory to national standards

Special ranges are available on request

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<tr>
<td>1/4 6.3</td>
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<td>1948016 763-10</td>
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<td>1/4 6.3</td>
<td>1948032 763-12</td>
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</table>
DREMOMETER Z

TECHNICAL INFORMATION Z

- The large cross-section of the spigot end transfers a maximum torque. "Quick-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 torque wrench Z is used, it is possible to work both in the forward direction and also to the side. For anti-clockwise tightening, simply turn the torque wrench through 180°.

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, otherwise inaccuracies can arise.
- Keep the depth gauges on the certificate in mind. Only use original GEDORE accessories.
- Large drive cross-section transfers maximum torque.
- 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 DAkkS laboratory to national standards.

Type Ø N·m / lbf·in / lbf·ft
AZ 16 8-40 70-350 – 5 N·m / 50 lbf·in 300.0 32 35 38 16.5 366 1.000 7703610 8460-01
BZ 16 25-120 – 18-90 5 N·m / 5 lbf·ft 411.5 32 35 38 16.5 489 1.450 7704260 8461-01
CZ 16 80-400 – 60-300 5 N·m / 5 lbf·ft 567.0 32 35 38 16.5 645 2.000 7704340 8462-01
DZ 22 140-620 – 100-450 10 N·m / 10 lbf·ft 767.5 56 45 49 17.5 846 3.000 7703020 8463-10
DXZ 28 520-1000 – 380-730 10 N·m / 10 lbf·ft 1,221.0 75 45 57 17.5 1319 5.500 1251341 8471-01

Code No.
7704260 8461-01
7704340 8462-01
7703020 8463-10
1251341 8471-01

Diagram of DREMOMETER Z
Quick-change system with pin locking guarantees flexible and swift working methods. Ideal for installations in confined and poorly accessible spaces. Depending on the application for the DREMOMETER SE, access is possible from the front and side.

8480 SE - 8482 SE
TORQUE WRENCH DREMOMETER SE WITH QUICK-FITTING CHANGE
8-400 N·m / 70 lbf·in - 300 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
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 DAkkS laboratory to national standards

On request, all torque wrenches can be factory pre-set - at extra charge -.
When ordering, please specify the N·m value.
7554 AM A+S - 7572 F A+S

TORQUE WRENCH DREMOMETER A+S

with pre-set value locking and safety device (A+S)

Technical advantage/function:

- 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.
- 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.
- Single- and double-square drive for controlled bi-directional tightening.

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, traceable via in-house DAkkS 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
- Pre-set DREMOMETER for serial production wherever the same value always needs to be applied
- 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)

<table>
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<tr>
<th>Type</th>
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7460 Z - 7471 Z
TORQUE WRENCH DREMOMETER Z A+S
with pre-set value locking and safety device (A+S)

Technical advantage/function:
› 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
› 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, 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

<table>
<thead>
<tr>
<th>Type</th>
<th>Ø</th>
<th>N·m</th>
<th>lbf·in</th>
<th>lbf·ft</th>
<th>N·m / 50 lbf·in</th>
<th>Torque Range</th>
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<td>BZ A+S</td>
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<td>25-120</td>
<td>18-90</td>
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<td>CZ A+S</td>
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<td>80-400</td>
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<td>567.0</td>
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<td>22</td>
<td>140-620</td>
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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 DAkkS laboratory to national standards
Pre-set DREMOMETER for serial production wherever the same value always needs to be applied
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)
7480 SE - 7482 SE
TORQUE WRENCH DREMOMETER SE A+S
with pre-set value locking and safety device (A+S)

Technical advantage/function:
› 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
› 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 DAkkS laboratory to national standards
› Pre-set DREMOMETER for serial production wherever the same value always needs to be applied
› 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)

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<th>Type</th>
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<th>N·m</th>
<th>lbf·in</th>
<th>lbf·ft</th>
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<th>( \text{Nm} )</th>
<th>( \text{Nm} \text{SE} )</th>
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<th>b</th>
<th>c</th>
<th>d</th>
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<td>180-90</td>
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<td>5 N·m / 5 lbf·ft</td>
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DREMASTER® DMK

Robust torque wrench with square drive and integrated ratchet-head function for controlled bi-directional tightening and interchangeable mushroom head with push-button release.

**Technical information**

**Anti-loss attachment**

- Additional protection of the serial number
- Concealed setting drill hole
- Engaging adjusting button with locking reference (lock symbol)
- Rapid adjustment provision using a separate hexagon allen key
- Mushroom head with release button
- Plastic grip with a user aid

**Function**

In order to change the turning direction of the DREMASTER® DMK:

1. Press on the push-button with your thumb and take out the mushroom head.
2. Turn the wrench and re-insert the square drive.

- Controlled safety via in-house DAkkS test laboratory

**Zinc-plated ratchet head**

All 1/2” square drives of the DREMASTER® DMK-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.

**Automatic actuation**

The DREMASTER® DMK actuates with a clear tactile impulse and audible signal and is immediately ready for operation again.

**Robust steel tube**

With high corrosion protection, chrome-plated, satin powder-coated.

**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.**

- Dual scale (main unit with vernier)
- Change-over switch for selecting the unit
- At all times only one unit in the viewing area (N·m or lbf·ft)
- Controlled safety via in-house DAkkS test laboratory

- + 3%

- Controlled safety via in-house DAkkS test laboratory

- Additional protection of the serial number
- Concealed setting drill hole
- Engaging adjusting button with locking reference (lock symbol)
- Rapid adjustment provision using a separate hexagon allen key
- Mushroom head with release button
- Plastic grip with a user aid

- Dual scale (main unit with vernier)
- Change-over switch for selecting the unit
- At all times only one unit in the viewing area (N·m or lbf·ft)
- Controlled safety via in-house DAkkS test laboratory
**Features**

- **Nonius**
  Model-dependent intervals of 1 or 0.5 N·m allow very accurate settings.

- **Lighweight and reliable**
  Locking button enables reliable locking of the torque setting. “Torque adjustable” reference by means of opened lock symbol. Provision for rapid setting from the separate hexagon allen key fixture.

- **Handgrip with a user aid**
  Grey plastic handgrip, new ergonomically enhanced shape, with an indentation in the middle of the handgrip. User aid and reference points for calibration.

- **Additional protection of the serial number**
  Concealed setting drill hole = secured adjusting/setting system Serial number on the wrench and on the certificate for unambiguous product identification, traceable via in-house DAkkS laboratory to national standards.

- **Dual scale with main and alternative unit (N·m/lf-ft)**
  Main unit N·m with vernier. At all times only one unit in the viewing area = avoids any reading errors. Change-over switch next to the scale for straightforward unit selection.

**DREMMASTER® DMUK**

Torque wrench with square drive and integrated ratchet-function for controlled clockwise tightening

- **Robust tubular steel**
  With high corrosion protection, satin powder-coated, with zinc-plated ratchet head

- **With 1/2" square drive and integrated lever-change reversible ratchet function for controlled clockwise tightening**

- **Switch the lever of the reversible ratchet to correspond with the desired direction, clockwise or anti-clockwise.**

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**DMK** | 20-850 N·m
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**DMUK** | 20-300 N·m
---

**DMK** | 20-850 N·m
---

**DMUK** | 20-400 N·m
DMK
TORQUE WRENCH DREMAMSTER® K
20-850 N·m

Use:
› Controlled screw tightening in the most common range of 20 - 850 N·m / 15 - 630 lbf·ft (guide for screws M7-10.9 to M24-8.8, M30-5.6).
› Adjustable, releasing and sturdy tubular torque wrench with integrated ratchet and with square drive for industry and the trades.

Features:
› 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.
› For controlled bi-directional tightening. DMUK only for controlled clockwise-tightening.
› Models DMK: 1/2" mushroom head interchangeable square with push-button releasing and a ball-locking mechanism. From Model No. DMK 400 with 3/4" push-through square and a pin-locking mechanism.
› Sturdy, varnished tubular steel construction, with zinc-plated ratchet head and top-grade plastic parts.
› Ergonomically shaped plastic grip with calibration aid.
› Change-over between N·m main scale and lbf·ft ancillary scale to avoid reading errors when setting the torque wanted.
› Release system triggers a tactile and audible signal.
› Ergonomic system for torque adjustment with reference symbol.
› Provision for rapid setting with hexagon allen key, not included.
› Secured adjusting/setting system.

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GDMK
TORQUE WRENCH SET DREMAMSTER® K

› The DREMAMSTER® DMK as a practical tool set.
› Most-widely-used tools in a robust sheet-metal case.
› Clearly organised - everything always easily accessible.
› With foam-material inlay modules (on request, these can be customised or extended individually).

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DMUK
TORQUE WRENCH DREMASTERC® UK
20-300 N·m / 15-220 lbf·ft

Use:
› Controlled screw tightening in the most common range of 20 - 300 N·m / 15 - 220 lbf·ft
(guide for screws M7-10.9 to M24-8.8, M30-5.6)
› Adjustable, releasing and sturdy tubular torque wrench with integrated ratchet and with square drive
for industry and the trades

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.
› For controlled clockwise tightening
› Models DMUK: With 1/2” reversible ratchet
› Sturdy, varnished tubular steel construction, with zinc-plated ratchet head and top-grade plastic parts
› Ergonomically shaped plastic grip with calibration aid

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.

DMKPK
MUSHROOM HEAD DREMASTERC® DMK
› With 1/2” output square drive with ball locking device and release button
› Made of chrome-vanadium steel, zinc-plated
› With blue mushroom head made of polypropylene

3294
COUPLER 3/4”
› Acc. to DIN 3122, ISO 3315
› For hand-operated sockets with square drive as per
DIN 3120, ISO 1174, with locking pin
› Chrome-vanadium steel, chrome-plated
DMZ
TORQUE WRENCH DREMMASTER® Z
20-850 N·m / 15-630 lbf·ft

Use:
› Controlled screw tightening in the most common range of 20 - 850 N·m / 15 - 630 lbf·ft
   (guide for screws M7-10.9 to M24-8.8, M30-5.6)
› Adjustable, releasing and sturdy tubular torque wrench with spigot end for industry and the trades

Features:
› 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.
› For controlled bi-directional tightening
› Sturdy, varnished tubular steel construction, with phosphated spigot end (Ø 16 mm or Ø 22 mm) and high-grade plastic parts
› Ergonomically shaped plastic grip with calibration aid
› Change-over between N·m main scale and lbf·ft ancillary scale to avoid reading errors when setting the torque wanted.
› With micrometre scale for main N·m scale for setting interim values
› Release system triggers a tactile and audible signal
› Ergonomic system for torque adjustment with reference symbol
› Provision for rapid setting with hexagon allen key, not included
› Secured adjusting/setting system
› Factory depth gauge: 32 mm (Ø 16 mm) or 56 mm (Ø 22 mm)
› Operation only with end fittings with standardised depth gauge - otherwise inaccuracies may arise.
› Depending on the application, access is possible from the front (e.g. open-end fitting) or side (e.g. reversible ratchet and socket)

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GDMZ
TORQUE WRENCH SET DREMMASTER® Z

› The DREMMASTER® DMZ as a practical tool set
› Most-widely-used tools in a robust sheet-metal case
› Clearly organised - everything always easily accessible
› With foam-material inlay modules (on request, these can be customised or extended individually)

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<tr>
<th>Ø</th>
<th>N·m</th>
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|    |       |      | 17 19 24 and 1/2" ratchet head |
| 16 | 40-200| 30-150| No. DMZ 200 in sheet-metal case
|    |       |      | 17 19 24 and 1/2" ratchet head |
| 16 | 60-300| 45-220| No. DMZ 300 in sheet-metal case
|    |       |      | 24 27 30 32 and 1/2" ratchet head |
| 16 | 80-400| 60-300| No. DMZ 400 in sheet-metal case
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DMSE
TORQUE WRENCH DREAMASTER® SE
20-400 N·m / 15-300 lbf·ft

Use:
- Controlled screw tightening in the most common range of 20-400 N·m / 15-300 lbf·ft (guide for screws M7-10.9 to M20-6.9)
- Adjustable, releasing and sturdy tubular torque wrench with rectangular cavity for industry and the trades

Features:
- 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.
- For controlled bi-directional tightening
- Sturdy, varnished tubular steel construction, with zinc-plated rectangular cavity (9x12 mm or 14x18 mm) and high-grade plastic parts
- Ergonomically shaped plastic grip with calibration aid
- Change-over between N·m main scale and lbf·ft ancillary scale to avoid reading errors when setting the torque wanted.
- With micrometer scale for main N·m scale for setting interim values
- Release system triggers a tactile and audible signal
- Ergonomic system for torque adjustment with reference symbol
- Provision for rapid setting with hexagon Allen key, not included
- Secure adjusting/setting system
- Factory depth gauge: 17.5 mm (9x12 mm) or 25 mm (14x18 mm)
- 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. open-end fitting) or side (e.g. reversible ratchet and socket)

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| 2641453 | DMSE 150 in sheet-metal case
| 2641461 | DMSE 200 in sheet-metal case
| 2641488 | DMSE 300 in sheet-metal case
| 2641496 | DMSE 400 in sheet-metal case

GDMSE
TORQUE WRENCH SET DREAMASTER® SE

- The DREAMASTER® DMSE as a practical tool set
- Most-widely-used tools in a robust sheet-metal case
- Clearly organised - everything always easily accessible
- With foam-material inlay modules (on request, these can be customised or extended individually)

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| 2641638 | DMSE 100 in sheet-metal case and 1/2" ratchet head
| 2643731 | DMSE 150 in sheet-metal case and 1/2" ratchet head
| 2641666 | DMSE 200 in sheet-metal case and 1/2" ratchet head
| 2641674 | DMSE 300 in sheet-metal case and 1/2" ratchet head
| 2641690 | DMSE 400 in sheet-metal case and 1/2" ratchet head
TORCOFIX K

Robust torque wrench with square drive and integrated ratchet-head function for controlled bi-directional tightening.

- Chrome-plated ratchet head
  All 1/4” - 1/2” square drives of the TOROFIX K-series with mushroom head. This mushroom head prevents an unintentional pulling out of the whole square drive when changing the nut socket.

- 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.

- Micrometre scale
  Optimised shape, stable scale frame with red-shaded micrometre scale ring. Model-dependent intervals of 0.025, 0.1, 0.25, 0.5 or 1 N·m allow very accurate settings.

- 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.

- Lighweight and reliable
  Locking button enables reliable locking of the torque setting.

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

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

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

- Classification 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.

- Micrometre scale
  Optimised shape, stable scale frame with red-shaded micrometre scale ring. Model-dependent intervals of 0.025, 0.1, 0.25, 0.5 or 1 N·m allow very accurate settings.

- Lighweight 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.

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

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

- Classification 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.
4549 - 4550 - 4551
TORQUE WRENCH TORCOFIX K
1-850 N·m / 0.75-630 lbf·ft

Use:
› Controlled screw tightening in the most widely used range of 1 - 850 N·m / 0.75 - 630 lbf·ft (guide for screws M3-6.9 to M24-8.8, M30-5.6)
› Adjustable, releasing and sturdy tubular torque wrench with integrated ratchet and with square drive for industry and the trades

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.
› For controlled bi-directional tightening

1/4", 3/8", 1/2" interchangeable mushroom head with ball locking device.
As from 3/4" with push through square drive with pin-locking mechanism
Sturdy, vanished tubular steel construction, with zinc-plated ratchet head and top-grade plastic parts
Ergonomically shaped, convenient black plastic handgrip with calibration aid
With micrometre scale for main N·m scale for setting interim values
Release system triggers a tactile and audible signal
Ergonomic system for torque adjustment

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.

3294 COUPLER 3/4"
› Acc. to DIN 3122, ISO 3315
› For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with locking pin
› Chrome-vanadium steel, chrome-plated

4549 - 4550
MUSHROOM HEAD TORCOFIX K
› With 1/4", 3/8" or 1/2" output square drive with ball locking device
› Made of chrome-vanadium steel, zinc-plated
› With blue mushroom head made of polypropylene
**TORCOFIX Z**

**TECHNICAL INFORMATION Z**

- The large cross-section of the spigot end transfers a maximum torque. "Quick-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 torque wrench Z is used, it is possible to work both in the forward direction and also to the side. For anti-clockwise tightening, simply turn the torque wrench through 180°.

### 4400 - 4485
**TORQUE WRENCH TORCOFIX Z**

#### 5-850 N·m / 3,7-630 lbf·ft

**Use:**
- Controlled screw tightening in the most widely used range of 5 - 850 N·m / 3.7 - 630 lbf·ft
- Adjustable, releasing and sturdy tubular torque wrench with spigot end for industry and the trades

**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.
- For controlled bi-directional tightening
- Sturdy, varnished tubular steel construction, with phosphated spigot end (Ø 16 mm or Ø 22 mm) and high-grade plastic parts
- Ergonomically shaped, convenient black plastic handgrip with calibration aid
- Dual-scale N·m and lbf·ft below a window with a magnifying-glass effect
- With micrometre scale for main N·m scale for setting interim values
- Release system triggers a tactile and audible signal

#### Torque values

<table>
<thead>
<tr>
<th>Ø</th>
<th>N·m</th>
<th>lbf·ft</th>
<th>Scale ring</th>
<th>lwZ</th>
<th>lcZ</th>
<th>a</th>
<th>b</th>
<th>c</th>
<th>Code No.</th>
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<tbody>
<tr>
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<td>45-220</td>
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<td>80-405</td>
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</table>

**Code No.**
- 4400-02
- 4430-01

---
Quick-change system with pin locking guarantees flexible and swift working methods.
Ideal for installations in confined and poorly accessible spaces. Depending on the application for the TORCOFIX SE, access is possible from the front and side.

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 5 - 400 N·m / 3.7 - 300 lbf·ft
› Adjustable, releasing and sturdy tubular torque wrench with rectangular cavity for industry and the trades

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.
› For controlled bi-directional tightening
› Sturdy, varnished tubular steel construction, with zinc-plated rectangular cavity (9x12 mm or 14x18 mm) and high-grade plastic parts
› Ergonomically shaped, convenient black plastic handgrip with calibration aid
› Dual scale N·m and lbf·ft below a window with a magnifying-glass effect
› With micrometre scale for main N·m scale for setting interim values

Release system triggers a tactile and audible signal
Ergonomic system for torque adjustment
Factory depth gauges: 17.5 mm (9x12 mm) or 25 mm (14x18 mm)
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. open-end fitting) or side (e.g. reversible ratchet and socket).

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Torque Range</th>
<th>Scale</th>
<th>Calibrating Ring</th>
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</thead>
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<td>2-400 N·m</td>
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<td>4101-02</td>
<td>5-25 N·m</td>
<td>0.25 N·m</td>
<td>262.5</td>
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<td>4101-05</td>
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<td>4200-02</td>
<td>20-100 N·m</td>
<td>1 N·m</td>
<td>391.2</td>
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<td>4201-01</td>
<td>30-150 N·m</td>
<td>1.5 N·m</td>
<td>401.2</td>
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<td>4300-01</td>
<td>40-200 N·m</td>
<td>2 N·m</td>
<td>492.2</td>
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<td>4301-01</td>
<td>50-300 N·m</td>
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<tr>
<td>4400-01</td>
<td>60-400 N·m</td>
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</table>

N·m lbf·ft
9 x 12 3-25 3.7-18 1 N·m 0.1 N·m 212.5 17.5 20.0 32 273.0 0.352 1646192 4101-02
9 x 12 10-50 7.5-37 2.5 N·m 0.25 N·m 262.5 17.5 20.0 32 322.0 0.450 1646206 4101-05
9 x 12 20-100 15-75 5 N·m 0.5 N·m 300.2 17.5 27.5 32 369.5 0.600 7600210 4100-01
9 x 12 30-150 22-110 10 N·m 1 N·m 391.2 17.5 27.5 32 460.5 0.800 1654934 4200-02
14 x 18 40-200 30-150 10 N·m 1 N·m 401.2 25.0 27.5 42 470.5 0.900 7600990 4201-01
16 x 18 60-300 45-220 10 N·m 1 N·m 492.2 25.0 27.5 42 561.5 1.200 7601020 4300-01
14 x 18 80-400 60-300 10 N·m 1 N·m 579.2 25.0 33.0 42 648.3 1.600 7604120 4301-01

Code No.
4100-01
4301-01
TORQUE TOOLS

TORCOFIX FS

4150 - 4151
TORQUE WRENCH FOR PRE-SETTING TORCOFIX FS
5-200 N·m

Use:
› Controlled screw tightening in the most widely used range of 5 - 200 N·m without scale
› Pre-set, releasing and sturdy tubular torque wrench with rectangular cavity for industry and the trades

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.
› For controlled bi-directional tightening
› Sturdy, varnished tubular steel construction, with zinc-plated rectangular cavity (9x12 mm or 14x18 mm)
› Release system triggers a tactile and audible signal
› Factory depth gauge: 17.5 mm (9x12 mm) or 25 mm (14x18 mm)
› 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. open-end fitting) or side (e.g. reversible ratchet and socket).
› If ordering, please specify the N·m value - if a fixed factory pre-setting is desired (price on request)

Use:
› Controlled screw tightening in the most widely used range of 5 - 200 N·m without scale
› Pre-set, releasing and sturdy tubular torque wrench with rectangular cavity for industry and the trades

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.
› For controlled bi-directional tightening
› Sturdy, varnished tubular steel construction, with zinc-plated rectangular cavity (9x12 mm or 14x18 mm)
› Release system triggers a tactile and audible signal
› Factory depth gauge: 17.5 mm (9x12 mm) or 25 mm (14x18 mm)
› 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. open-end fitting) or side (e.g. reversible ratchet and socket).
› If ordering, please specify the N·m value - if a fixed factory pre-setting is desired (price on request)

<table>
<thead>
<tr>
<th>Code No.</th>
<th>N·m [min / max]</th>
<th>lwFS</th>
<th>lcFS</th>
<th>a</th>
<th>b</th>
<th>c</th>
<th>Price</th>
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<tbody>
<tr>
<td>4150-50</td>
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<td>17.5</td>
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<td>31</td>
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<tr>
<td>4150-85</td>
<td>9 x 12</td>
<td>10 - 50</td>
<td>17.5</td>
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<tr>
<td>4151-30</td>
<td>9 x 12</td>
<td>17 - 85</td>
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<td>4151-40</td>
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<td>45</td>
<td>410</td>
<td>0.750</td>
</tr>
</tbody>
</table>
TORQUE SCREWDRIVER TECHNICAL FEATURES

A range of compact and versatile torque screwdrivers with automatically actuating, dial-indicating and measuring torque.

**TYPE PGN**
- Pre-set torque screwdriver without scale for durable and identical value tightening
- Auto setting
- With 1/4" female hexagon drive for use with 1/4" hexagon bits as per DIN 3126 - C 6.3

**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 scale ring
- "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 scale ring
- 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.
## TORQUE TOOLS

### PGNP FS
**TORQUE SCREWDRIVER TYPE PGNP FS**

**0.05 - 13.5 N·m / pre-set**

**Use:**
- Controlled screw tightening in the range 0.05 - 13.5 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
- Classified to DIN EN ISO 6789:2003 Type II Class E, with a factory certificate allowing for operations to be traced back
- Calibrated to a permitted ±6 % deviation of the set torque
- 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
- Fatigue-free working due to an ergonomic hand grip and a smooth tool reset action

**Scope of delivery:**
- Torque screwdriver type PGNP FS
- Delivered in sturdy cardboard packaging

<table>
<thead>
<tr>
<th>°</th>
<th>0.05-0.25</th>
<th>0.2-1.5</th>
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<th>2,5-13.5</th>
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<tbody>
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</table>

### PGNS FS
**TORQUE SCREWDRIVER TYPE PGNS FS**

**0.2 - 4.5 N·m / pre-set**

**Use:**
- Controlled screw tightening in the range 0.2 - 4.5 N·m
- Serial manufacture with constant tightening value
- Precision mechanics and industrial manufacturing
- Basic model

**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
- Working accuracy: ±10 % tolerance of the set torque, without calibration certificate
- Acc. to DIN EN ISO 6789, traceable to national standards

**Scope of delivery:**
- Torque screwdriver type PGNS FS
- Delivered in sturdy cardboard packaging

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<td>0.198</td>
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</table>
PGNE FS
TORQUE SCREWDRIVER TYPE PGNE FS
0.05 - 13.5 N·m / pre-set

Use:
› Controlled screw tightening in the range 0.05 - 13.5 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
› Classified to DIN EN ISO 6789:2003 Type B Class F, with a factory certificate allowing for operations to be traced back
› Calibrated to a permitted +/- 6 % deviation of the set torque
› EPA-conformant (Electrostatic Protected Area), for use in sensitive electrostatic applications
› 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
› Fatigue-free working due to an ergonomic hand grip and a smooth tool reset action
› Calibration stickers can be easily applied to the purpose designed nose
› 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 PGNE FS
› Models 4.5 and 13.5 with additional sliding T-bar for ease of use
› Test certificate acc. to DIN EN ISO 6789
› Delivered in sturdy cardboard packaging

755
TORQUE SCREWDRIVER TYPE FS
0.04-13.6 N·m / pre-set

Use:
› Controlled screw tightening in the range 0.04 - 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 set torque is reached
› Automatic resetting to the starting position
› 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

---

<table>
<thead>
<tr>
<th>Code No.</th>
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<td>2,8-13,6</td>
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</tbody>
</table>
# TORQUE TOOLS

## TORQUE SCREWDRIVERS 756

### Drive adaptor 1/4"-square drive:
To fit industry-standard nut sockets.

### 1/4"-drive type:
Made of stainless steel, for industry-standard bits.

### Rubber handgrip:
Ergonomic, can be held securely in your hand.

### Sliding T-Bar:
Made of quality steel, can be adapted to enhance users transmission of power.

### Scale:
Clearly readable scale ring; enables you to make the setting accurately, quickly and without error.

---

### 756 TORQUE SCREWDRIVER TYPE S

#### 0.08-9 N·m

**Use:**
- Controlled screw tightening in the range 0.08 - 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

**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 for ease of use
- Test certificate acc. to DIN EN ISO 6789
- Delivered in sturdy cardboard packaging

### Model Specifications

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Drive</th>
<th>Torque</th>
<th>Scale</th>
<th>Accuracy</th>
<th>Material</th>
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IN 20 172 680-685 252
757
TORQUE SCREWDRIVER TYPE S
0.24-9 N·m

Use:
› Controlled screw tightening in the range 24 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

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 for ease of use
› Test certificate acc. to DIN EN ISO 6789
› Delivered in sturdy cardboard packaging

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758
TORQUE SCREWDRIVER TYPE SP
10-500 cN·m / 14 ozf·in - 40 lbf·in

Use:
› In the torque range 0.1 - 5.0 N·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

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

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<th>°</th>
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<th>N·m</th>
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<th>lbf·in</th>
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<td>1/4</td>
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<td>100-500</td>
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TSN SLIPPER

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

- **Integrated ratchet function**
  Particularly dependable ratchet having 36 teeth (759-00/-01) or 48 teeth (759-02/-03). Slip-through function guarantees controlled and safe screw tightening, even in hard-to-access locations.

- **High repeatability**
  Guarantees constant tightening torques.

- **Rubber handgrip**
  Ergonomic and pleasant to hold in your hand. Prevents slipping.

- **Robust casting part**
  Made of corrosion-resistant, rustproof material.

- **Output square drive**
  Made of quality steel with ball-locking mechanism.

**Working principle**

**TSN SLIPPER**

When the pre-set torque value is achieved, the mechanism slips through over the ball (without the possibility of over-tightening). The torque wrench is then immediately ready for the next operation.

**Technical information**

**TSN SLIPPER & TBN BREAKER**

All TSN SLIPPER and TBN BREAKER torque wrenches (apart from 760-00/-01) are fitted with the patented “Mechanical Torque Adjustment Locking Device” to modify torque tester.
759
TORQUE WRENCH TSN SLIPPER
5-125 N·m / pre-set

Use:
› Controlled screw tightening in the range 5 - 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
› 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)
› EPA-conformant (Electrostatic Protected Area), for use in sensitive electrostatic applications

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

TSN SLIPPER - the pre-set production torque wrench (without scale).
With this torque wrench, accidental adjustment while working is ruled out.
The state-of-the-art lightweight production wrenches “slip” through as soon as the set torque is achieved.
Over-tightening is impossible.
The ideal torque tool for all jobs where for a longer time only one tightening torque value is required.
The automatic resetting and integrated ratchet are the ideal assistance for working swiftly.

TSNs for counter-clockwise tightening, bi-directional tightening without a ratchet-function or as a VDE-Wrench can be manufactured specially - on request.

<table>
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<tr>
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<td>7092120</td>
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<td>12.5</td>
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</table>
### 761

#### TORQUE WRENCH TSP SLIPPER

**1-10 N·m / pre-set**

**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
- Test certificate acc. to DIN EN ISO 6789
- Delivered in sturdy cardboard packaging

<table>
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<tr>
<td>Delivered in sturdy cardboard packaging</td>
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</table>

#### TSP SLIPPER - the pre-set production torque wrench (without scale)

- for the lower torque range 1 - 10 N·m.
- Accidental adjustment while working is ruled out.
- The built-in ratchet with clockwise tightening and the corrosion-resistant lightweight construction design make this torque wrench the optimum working partner for quick and controlled screw tightening.
- The integrated slipping mechanism reliably prevents over-tightening - the guarantee for high repeatability and controlled tightening values.

### 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
- Micrometre 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

<table>
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<td></td>
</tr>
<tr>
<td>Delivered in sturdy cardboard packaging</td>
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</tbody>
</table>

#### TSC SLIPPER - the adjustable torque wrenches (with scale)

- for the lower torque range 1 - 10 N·m.
- The setting is made by rotating the unlocked handgrip with the integrated micrometre ring.

- The scale is situated on the body tube.

- The setting is made by rotating the unlocked handgrip with the integrated micrometre ring.

- The built-in ratchet with clockwise tightening and the corrosion-resistant lightweight construction design make this torque wrench the optimum working partner for quick and controlled screw tightening.
- The integrated slipping mechanism reliably prevents over-tightening - the guarantee for high repeatability and controlled tightening values.

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<tr>
<td>Delivered in sturdy cardboard packaging</td>
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</table>
TBN BREAKER

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

Drive
16 mm spigot end or 9x12 mm rectangular cavity made of quality steel with pin-locking mechanism

Breaking
All TBN breaking torque wrenches break by 20° at the pivot point when the set torque is achieved. The models 760-00/-01 can also be set to a breaking angle of 90°.

Rubber handgrip: Ergonomic and pleasant to hold in your hand. Prevents slipping.

Lightweight steel tube
Firm, solid, and free of corrosion

Patented mechanism
Guarantees a long product lifespan with guaranteed accuracy values

Working principle
TBN BREAKER

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

Technical information
TBN BREAKER

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

TBN Knicker
5 - 135 N·m

TBN Knicker
0.2 - 135 N·m
760
BREAKING TORQUE WRENCH TBN
0.4-135 N·m / 1.8-1195 lbf·in / pre-set

Use:
› Controlled screw tightening in the range 0.4 – 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
› 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

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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 - 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

Scope of delivery:
› Dual scale in N·m and lbf·ft
› 5 models in the range 100 - 1500 N·m

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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
TORQUE WRENCHES WITH SLAVE POINTER
IDEAL FOR TEST, CONTROL AND MAINTENANCE WORK

Clear product identification: Provided by the type plate/lable. The article number and the serial number always ensure traceability in the scope of your test- and checking-tool management.

Practical handgrip: Handgrip shaped in accordance with the most recent ergonomic findings. Resistant to grease and oil.

Solid tube: Light-metal tube with plastic sleeving.

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

FEATURES

Integrated ratchet spindle:
With double square drive enables high-speed bi-directional tightening.

Dual scale: N·m and lbf·in/lbf·ft with main and slave pointers, protected by a strong window made of Trogamid “T”.

8301 - 8305
TORQUE WRENCH WITH SLAVE POINTER TYPE 83
0.8-2000 N·m / 7 lbf·in - 1500 lbf·ft

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 slave pointer
› 1/4", 3/8", 1/2", 3/4" or 1" double-square drive with ball locking device for controlled bi-directional tightening
› Models 8301-04 to 8304-80: With integrated ratchet-function
› 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
› Models 8301-04 to 8301-40: EPA-conform (Electrostatic Protected Area), for use in sensitive electrostatic applications
› Audio-visual signal is standard on models 8303-40 to 8305-20

Scope of delivery:
› Dial-measuring torque wrench type 83
› Battery (models 8303-40 to 8305-20)
› 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)

8301 - 04
1/4 N·m: 0.8-4, 7 lbf·in: 6,3
Dimensions: 120-400 mm
Absolute accuracy: ±4 %

8302 - 08
1/2 N·m: 12-80, 16-600
Dimensions: 120-600 mm
Absolute accuracy: ±4 %

8303 - 14
3/4 N·m: 20-1400, 60-3000
Dimensions: 200-1000 mm
Absolute accuracy: ±4 %

8304 - 20
1 N·m: 25-1000, 50-3000
Dimensions: 200-1000 mm
Absolute accuracy: ±4 %

8305 - 20
1 N·m: 25-1000, 50-3000
Dimensions: 200-1000 mm
Absolute accuracy: ±4 %
ELECTRONIC TORQUE WRENCH E-TORC Q

Powerful. Variable.
Holders: Rectangular-cavity SE 9x12 (E-torc Q 100) and SE 14x18 (E-torc Q 200, 300)

Extensively. Resilient.
Large TFT graphics display of a 109 mm (4.3") diagonal with touch function. This makes a gloves operation possible.

Ergonomic. Safe.
The ergonomic handle ensures easy, safe handling - even with large tightening torques.

Flexible. Positional.
Easy-to-handle: Housing-oriented tool holding fixture rotatable through 60° in both directions (120°)

Intuitive. Visible.
Touch function or six hardware keys for intuitive user software operating and, in addition, an extremely robust enter key.

All the standard measurement methods:
▶ Torque
▶ Torque/rotary angle
▶ Loosening/tightening
▶ First movement
▶ Yield point
▶ High measurement accuracy e.g. torque +/- 1 %, +/- 1 digit

Communication to the high-capacity PC user software or attachment to CAQ systems (optional)

A variety of users and a user account management can be set up
▶ Management of fitting and depth gauge parameters
▶ A variety of users and a user account management can be set up
▶ A variety of users and a user account management can be set up
▶ A variety of users and a user account management can be set up
▶ Wireless (Wi-Fi 2.4 and 5 GHz) or USB mini interface for communication purposes
▶ Acoustic, visual or vibration-induced signalling
▶ 2D scanner (optional) for reading in barcodes and QR codes

Charging unit for two lithium-ion rechargeable batteries (optional)

High-performance lithium-ion rechargeable battery with rapid changing system

Virtual progress bar for torque and angle
▶ Measured value compilation and assessment
▶ Clear depiction of the measurement results
▶ Graph representation and evaluation directly possible at E-torc Q
▶ Operating with workflows
▶ 2D scanner (optional) for reading in barcodes and QR codes

Ergonomic handle ensures easy, safe handling - even with large tightening torques.

Flexible and positional.
Easy-to-handle: Housing-oriented tool holding fixture rotatable through 60° in both directions (120°)

Intuitive and visible.
Touch function or six hardware keys for intuitive user software operating and, in addition, an extremely robust enter key.

All the standard measurement methods:
▶ Torque
▶ Torque/rotary angle
▶ Loosening/tightening
▶ First movement
▶ Yield point
▶ High measurement accuracy e.g. torque +/- 1 %, +/- 1 digit

Communication to the high-capacity PC user software or attachment to CAQ systems (optional)

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Touch function or six hardware keys for intuitive user software operating and, in addition, an extremely robust enter key.
Electronic Torque Wrenches

ET2SA
ELECTRONIC TORQUE WRENCH E-TORC
2-1000 N·m / 1.5-750 lbf·ft, with rotary angle measurement

Tightening check for torque/rotary angle:
- Optical, acoustic and sensory signalling on reaching the set bolting parameter with additional visualisation of screw tightening by means of LED progress bar.
- Software-enabling graphics evaluation.
- Marked contrast graphics display with backlight lighting.

Drive:
- Spigot end 22/28 mm, 1/4" square drive or 9x12/14x18 mm rectangular cavity with pin-locking mechanism. The installation size determines the drive (model-dependent).
- ET2SKA 150 and ET2SKA 300 incl. 1/2" rectangular reversible ratchet head.
- For hard-to-access places and given not enough room.
- Special tools on request.

Light and pleasant:
- The aluminium housing and ergonomic handle ensure easy, safe handling - even with large tightening torques.
- Tool holding fixture, as from ET2SKA 150 120° rotatable to the aluminium housing.

Function keys:
- Easy to use.
- Key pressure taring.
- Side ergonomic operating key.
- Convertible from N·m to lbf·ft via software.

Fields of operation:
- Mini-batch assembly.
- Quality assurance.
- Test labs and testing departments.
- Emergency strategies for bolting stations.
- Corrective work places.
- Inspection and analysis of bolted connections.

Version:
- Large field of operation: 5 models in the range from 2 to 1000 N·m.
- Tool holding fixture 1/4" square, 9x12, 14x18 rectangular cavity with pin-locking mechanism, 22 and 28 mm spigot end.
- Signalling: visual (LED progress bar), acoustic (beep), sensory (vibration).
- Tool holding fixture, as of ET2SKA 150 120° rotatable to the aluminium housing.
- Traceable to national standards.
- Torque reading precision +/- 1 %, +/- 1 digit from reading figure.
- Factory certificate as per DIN ISO 6789 Type I Class C.
- Optional certificate as per DAkkS-DKD-R 3-7.
- Rotary angle calibration based on VDI 2648 Sheet 2.
- Backlit graphic display.
- Input of depth gauges for a variety of attachment tools.
- Power supply: Battery or rechargeable battery operation.

Evaluation:
- Reading a max. 2,000 data records.
- Serial interface RS232 for PC (USB adapter enclosed).
- Comprehensive documentation of all screw parameters.

Scope of delivery:
- Electronic torque wrench Etorc2S/A.
- Operating instructions with brief guide.
- Test certificate acc. to DIN EN ISO 6789:2003 Type I Class C.
- 2 standard Mignon AA batteries.
- Evaluating software and data transmission cable RS232 and USB.
- ET2SKA 150 and ET2SKA 300 incl. 1/2" rectangular reversible ratchet head.
- Delivered in a robust sheet-metal case with insert.

---

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<th>Code</th>
<th>Description</th>
<th>N·m</th>
<th>lbf·ft</th>
<th>lw</th>
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<th>b</th>
<th>c</th>
<th>d</th>
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**TT3KH**

**ELECTRONIC TORQUE WRENCH TORCOTRONIC III**

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

**Features:**
- Microprocessor-controlled, electronic torque wrench
- For controlled bi-directional tightening
- Acc. to DIN EN ISO 6789, traceable to national standards
- Robust workshop design
- Broad measurement range in N·m, can be switched to lbf·ft
- With 1/2” reversible ratchet. The ratchet is exchangeable, providing the option of using a 9x12 mm (TT3H 120) or 14x18 mm (TT3H 350) square socket

**Characteristics:**
- Torque and torque angle measure
- 4 different measuring modes
- 5 parameters storable
- USB interface for data exchange
- 2000 storage places
- Measurement accuracy torque +/- 1 %, +/- 1 digit
- Measurement accuracy torque angle +/- 1 %, but min. +/- 1° on 360° with min. 4°/sec
- Different depth gauges for end fittings programmable
- Clear and easy to understand icon-menu navigation and 4 functional keys
- Clearly readable, illuminated LCD display
- Resolution torque: 0.1 N·m
- Resolution torque angle: 0.1°
- PC-software easy to operate for uncomplicated programming and documentation of data
- Data can be transferred to MS Excel®
- Keyboard lock
- Operation with standard Mignon AA or optional with rechargeable-battery (NiMH)
- Visual signal: 3x LED (yellow, green, red)
- Acoustic signal: buzzer
- TÜV certified, CE and RoHS
- 2 models in the range 10 - 350 N·m
- Test certificate acc. to DIN EN ISO 6789:2003 Type I Class C
- Calibration to DAkkS-DKD-R 3-7, Class 1 (on request)

**Scope of delivery:**
- Electronic torque wrench TorcoTronic III HighLine
- Reversible ratchet 1/2”
- USB cable
- Software on CD-R
- Test certificate acc. to DIN EN ISO 6789:2003 Type I Class C
- Delivered in a transparent plastic box with insert

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

**Main menu**
- Settings
- Parameter
- Evaluation

<p>| | | | | | |</p>
<table>
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<tr>
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</table>
8612
ELECTRONIC TORQUE TESTER DREMOTEST E
0.2-3150 N·m / 1.8 lbf·in - 2323 lbf·ft

- For verifying and setting clockwise torque wrenches and torque screwdrivers
- Easy to operate, electronic torque tester with integrated torque transducer (DMS)
- 5 models in the range from 0.2 to 3150 N·m
- With fixed hexagon female drive 1/4", 10, 17, 34, 46 mm or 1.1/2" square drive adaptor (model dependent)
- With 1/4", 3/8", 1/2", 3/4", 1" 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

Scope of delivery:
- Electronic torque tester
- RS232 cable
- Power supply unit with EURO plug (UK, US, AUS-adaptor on request)
- 100 - 240 V, 50 - 60 Hz, max. 500 mA (see type plate)
- 2 sockets (size and drive model-dependent)
- Adaptor for 8612-3150
- Operating instructions
- Packaging

N·m | lbf/in | lbf·ft | Res. | Adaptor | Code | No.
--- | --- | --- | --- | --- | --- | ---
0.2-12 | 1,8-106 | 1.8-106 | 6.3 | 0.001 | 1/4", 3/8" | 3.0 | 2288311 | 8612-012
0.9-55 | 7-40,6 | 10.0 | 0.01 | 1/4", 3/8" | 3.0 | 1947699 | 8612-050
9-320 | 66-811 | 36.0 | 1 | 3/8", 1/2" | 3.0 | 1856111 | 8612-300
90-1100 | 90-1100 | 10.0 | 1 | 3/4", 1/2" | 10.0 | 1947702 | 8612-1000
500-3150 | 369-2323 | 369-2323 | 1 | 1" | 26.0 | 2529858 | 8612-3150

OPTIONAL ACCESSORIES:

<table>
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<tr>
<th>Description</th>
<th>Code</th>
<th>No.</th>
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<tbody>
<tr>
<td>Adaptor for cigarette lighter socket</td>
<td>0.150</td>
<td>8612-390</td>
</tr>
</tbody>
</table>
ETP

ELECTRONIC TORSION TEST DEVICE

- For testing, and verifying clockwise and anti-clockwise torque wrenches
- 5 models in the range of 0.5 to 3150 N·m
- Vertical and horizontal testing according to DIN EN ISO 6789
- Electronic torque tester integrated with measurement electronics
- Robust housing from aluminium cast with separate or detachable operating display
- Serial interface RS232 for PC
- Traceable to national standards
- ETP 15 with integrated overload protection and tool for manual resetting after unintended overload
- Torque reading precision +/- 1 %, +/- 1 digit from reading figure
- Factory certificate based on VDI 2646
- Optional certificate as per DkkK-OKD-R 3-8
- A large LC graphic display
- Wide measuring range in N·m, can be switched to ch-m, lbf·ft or lbf·in (model dependent)
- Power supply unit with EURO plug (UK, US, AUS-adaptor on request)
- Accessories: Operating display, display holder incl. cable, software incl. connection cable for PC

<table>
<thead>
<tr>
<th>Size</th>
<th>N·m</th>
<th>lbf·ft</th>
<th>Resolution</th>
<th>Adaptor</th>
<th>Code No.</th>
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<td>0.01 N·m</td>
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<td>14.8-369</td>
<td>0.1 N·m</td>
<td>3/8&quot;, 1/2&quot;</td>
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<tr>
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<td>36.9-737.6</td>
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<td>3/8&quot;, 1/2&quot;</td>
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<td>1.1/2</td>
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<td>221-2323</td>
<td>1.0 N·m</td>
<td>3/4&quot;, 1&quot;</td>
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</table>

ETPG

BASIC HOUSING

- From aluminium cast (except ETP3150)
- Serial interface RS232 for PC
- Traceable to national standards with factory certificate
- High measurement accuracy: +/- 1 % tolerance of reading, +/- 1 digit
- ETPG 15 with integrated overload protection and tool for manual resetting after unintended overload
- Wide measuring range in N·m, can be switched to ch-m, lbf·ft or lbf·in
- Power supply unit with EURO plug (UK, US, AUS-adaptor on request)

<table>
<thead>
<tr>
<th>Size</th>
<th>N·m</th>
<th>lbf·ft</th>
<th>Resolution</th>
<th>Adaptor</th>
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<td>300-3150</td>
<td>221-2323</td>
<td>1.0 N·m</td>
<td>3/4&quot;, 1&quot;</td>
</tr>
</tbody>
</table>
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 is not exceeded:

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

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

Features:
- 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
### Accessories

#### End fittings 16 Z

**8791 (MM)**

**OPEN END FITTING**

**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

<table>
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<tr>
<th>Ø mm</th>
<th>16</th>
<th>5</th>
<th>20.5</th>
<th>32</th>
<th>0.080</th>
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| Ø mm | 16 | 10 | 45.0 | 32 | 0.180 | 7710900 | 8791-21 |
| Ø mm | 16 | 11 | 56.0 | 32 | 0.220 | 7711090 | 8791-22 |
| Ø mm | 16 | 11 | 56.0 | 32 | 0.220 | 7711170 | 8791-23 |
| Ø mm | 16 | 11 | 56.0 | 32 | 0.220 | 7711250 | 8791-24 |
| Ø mm | 16 | 11 | 56.0 | 32 | 0.220 | 7711330 | 8791-25 |
| Ø mm | 16 | 12 | 60.5 | 32 | 0.260 | 7711420 | 8791-26 |
| Ø mm | 16 | 12 | 60.5 | 32 | 0.260 | 7711500 | 8791-27 |
| Ø mm | 16 | 12 | 68.0 | 32 | 0.300 | 7711700 | 8791-28 |
| Ø mm | 16 | 12 | 68.0 | 32 | 0.300 | 7711880 | 8791-29 |
| Ø mm | 16 | 12 | 68.0 | 32 | 0.300 | 7711960 | 8791-30 |
| Ø mm | 16 | 12 | 68.0 | 32 | 0.300 | 7712040 | 8791-31 |
| Ø mm | 16 | 12 | 68.0 | 32 | 0.300 | 7712120 | 8791-32 |

| Ø mm | 16 | 12 | 68.0 | 32 | 0.300 | 7712200 | 8791-33 |
| Ø mm | 16 | 12 | 68.0 | 32 | 0.300 | 7712280 | 8791-34 |
| Ø mm | 16 | 12 | 68.0 | 32 | 0.300 | 7712360 | 8791-35 |
| Ø mm | 16 | 12 | 68.0 | 32 | 0.300 | 7712440 | 8791-36 |

### 8791 (AF)

**OPEN END FITTING**

**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

<table>
<thead>
<tr>
<th>Ø mm</th>
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8792 (MM)
RING END FITTING
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

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8792 (AF)
RING END FITTING
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

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8797
FLARED END FITTING
16 Z

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> Forged
> Chrome-vanadium steel, matt chrome-plated
> With eject-pin for unlocking

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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 ratchet according to DIN EN ISO 6789:2003 and/or maximum load of cavity

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8756
END FITTING IN-HEX
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

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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 ratchet according to DIN ISO 6789:2003 and/or maximum load of cavity

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End fittings 22 Z

8794-00
FIXED SQUARE HEAD

22 Z

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, matt chrome-plated

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Code No. 7708840  8794-00

8795
OPEN END FITTING

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

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Code No. 7707520  8795-22

8796
RING END FITTING

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

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Code No. 7708330  8796-22
8794-02 - 8794-03
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

End fittings 28 Z

8798
OPEN END FITTING
28 Z

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Chrome-vanadium steel, matt chrome-plated
- With catch retention
- Special sizes available on request

8799
RING END FITTING
28 Z

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Chrome-vanadium steel, matt chrome-plated
- With catch retention
- Special sizes available on request

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: 1000 N·m

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## 7112
### RECTANGULAR OPEN END FITTING
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

<table>
<thead>
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<td>7.5 31.0</td>
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## 7212
### RECTANGULAR RING END FITTING
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

<table>
<thead>
<tr>
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## 7312
### RECTANGULAR FLARED END FITTING
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

<table>
<thead>
<tr>
<th>Code</th>
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</table>

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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-pins for unlocking
> Fine-toothed
> Return angle 5 degrees
> Max. continuous load of ratchet according to DIN EN ISO 6789:2003 and/or maximum load of cavity

<table>
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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-pins for unlocking
> Max. continuous load of ratchet according to DIN EN ISO 6789:2003 and/or maximum load of cavity

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7812
RECTANGULAR BIT HOLDER
9x12

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

<table>
<thead>
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**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
- Chrome-vanadium steel 31CrV3

<table>
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<th>h mm</th>
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Code No. 7912-00

**SUKSE**

**RECTANGULAR RING RATCHET SPANNER, REVERSIBLE 9x12**

- 9x12 mm rectangular cavity with pin-locking
- Flat ring ratchet with UD-profile, fine-toothed
- With recessed lever change
- For loosening or fast tightening with high torque transfer
- Non-glare look thanks to matt chrome-plating, locking insert and pawl manganese-phosphated
- GEDORE vanadium steel 31CrV3, forged
- To operate with a 9x12 mm torque wrench or rectangular handle 9x12 mm

<table>
<thead>
<tr>
<th>ø mm</th>
<th>h mm</th>
<th>b mm</th>
<th>Depth gauge</th>
</tr>
</thead>
<tbody>
<tr>
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Code No. 7912-00

**AGSE9**

**RECTANGULAR HANDLE SE 9x12**

- To operate with rectangular end fittings 9x12
- For removing bolts or nuts, especially in confined spaces
- Without torque function
- GEDORE vanadium steel 31CrV3, matt chrome-plated
- Non-slip 2-component handle with hanging hole
- Max. continuous load of cavity according to DIN EN ISO 6789:2003 and/or maximum support load: 150 N·m

<table>
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Code No. 2827786 AGSE9
7118
RECTANGULAR OPEN END FITTING

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

7218
RECTANGULAR RING END FITTING

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
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 degrees
- Max. continuous load of ratchet according to DIN EN ISO 6789:2003 and/or maximum load of cavity

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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 ratchet according to DIN EN ISO 6789:2003 and/or maximum load of cavity

<table>
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<tr>
<th>Code No.</th>
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<th>27</th>
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7818
RECTANGULAR BIT HOLDER
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

<table>
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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
- Chrome-vanadium steel 31CrV3

<table>
<thead>
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<th>Code No.</th>
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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 DREMMASTER®/TORCOFIX torque wrenches with or without accessories, are always stored and transported professionally by virtue of the 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 cavities you wish to load with your tools or accessory units. The remaining cavities remain closed - that’s what we call neat.

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!

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

Features:
- With foam rubber inlay and nest-holes for the accessories
- Hinges, locks and hand grip made of steel
- GEDORE blue powder-coated

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