



**55470 100**  
Torque screwdriver set  
Type

14-piece, in impact-proof plastic box with foam-material inlay.

**Set contents:**

- 1 Torque screwdriver 0.6 - 1.5 Nm
- 1 Torque screwdriver 1.5 - 3.0 Nm
- 1 Setting wrench
- 1 Bit holder blade
- Each with 1 bit PH 1 / 2
- Each with 1 bit PZ 1 / 2
- Each with 1 bit hexagonal AF 2.5 / 3.0 mm
- Each with 1 bit TORX® T 10 / 15 / 20 / 25



55470 100

**55470 101-103**  
Torque screwdrivers  
Type

Simple and precisely setting of the torque. Audible and tactile release when reaching the preset torque. 2-component handle with ergonomically shaped grip zone. Delivery includes setting wrench, certificate and instructions for use, **without** blade.

55470 101-103



**Note:**

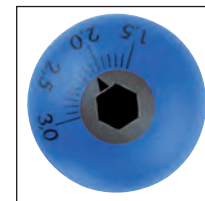
Blades, see cat.-no. 55470 106-136.

**55470 104**  
Setting wrench



**55470 105**  
Seal

**55470 127**  
Bit holder blade  
Type  
Hexagonal 1/4 inch, for mounting 1/4 inch drive bits, overall length 170 mm.



	Setting range Nm	Handle length mm	Handle thickness mm	Set 55470	Screwdriver ...	55470	...	Accessory 55470	...
Torque screwdriver set	0.6 - 1.5 and 1.5 - 3.0	105	32		100				
Torque screwdriver	0.6 - 1.5	105	32			101			
Torque screwdriver	1.5 - 3.0	105	32			102			
Torque screwdriver	3.0 - 5.4	105	32			103			
Setting wrench	-	-	-						104
Seal	-	-	-					#	105
Bit holder blade	-	-	-						127

**55470 106-126+128-136**  
Blades  
Type

Hexagonal 1/4 inch, overall length 170 mm.

**Quality**  
Chrome-molybdenum-vanadium alloy.

55470 115 - 126



Blade length x - thickness mm	55470	...
3.0 x 0.5	#	106
3.5 x 0.6	#	107
4.0 x 0.8	#	108

Size PH	55470	...
0	#	109
1	#	110
2	#	111

Size PZ	55470	...
0	#	112
1	#	113
2	#	114

Size TX	55470	...
6		115
7		116
8		117
9		118
10		119
15		120
20		133
25	#	134

Size IP	55470	...
6		121
7		122
8		123
9	#	124
10		125
15		126
20	#	135
25	#	136

Hexagonal AF mm	55470	...
1.5	#	128
2.0	#	129
2.5		130
3.0		131
4.0	#	132

# Torque screwdrivers

## 55488 - 55491 Torque screwdrivers



**Type**  
4 mm hexagonal blade, Black Point tip and multi-component Kraftform® handle with roll stop.

1.) **Torque preset** by manufacturer, dependent on screw size. Audible and tactile release given when reaching the preset torque.

2.) **Unlimited torque** for loosening seized screws.

3.) **No manipulation possible** thanks to sealed ring.

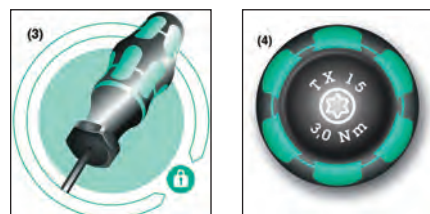
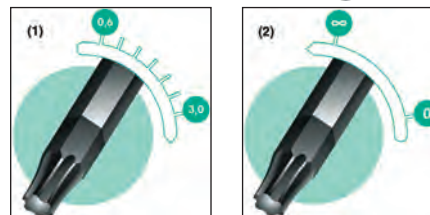
4.) **Data on the handle** with symbol for type of screw, size and preset torque.

**55490**  
**Type**  
Torque screwdrivers, single.  
**Use**  
For inner TORX® screws.

**55491**  
**Type**  
Torque screwdrivers, single.  
**Use**  
For inner TORX PLUS® screws.



**55488**  
**Type**  
Torque screwdriver set, 6-piece.  
**Use**  
For inner TORX® screws.



Set contents	Size x measured value TX x Nm	Type	55488	...
6-part	6 x 0.6 / 7 x 0.9 / 8 x 1.2 / 9 x 1.4 / 10 x 2.0 / 15 x 3.0	in plastic case		101

Size	Measured value Nm	Blade length mm	Overall length mm	TORX® (TX)		TORX PLUS® (IP)	
				55490	...	55491	...
6	0.6	65	170	#	101	#	101
7	0.9	65	170		102		102
8	1.2	65	170		103		103
9	1.4	65	170		104		104
10	2.0	65	170		105		105
15	3.0	65	170		106		106

## 55492 Torque screwdriver EN ISO 6789



**Type**  
With Rapidaptor quick-change chuck, Kraftform handle with roll-off protection, multi-component.

**Accuracy +/- 6%.**

**Use**  
For 1/4 inch bits DIN 3126-C 6.3 and E 6.3.

**55492 100**  
**Type**  
Torque screwdriver set.

**55492 101-102**  
**Type**  
Torque screwdrivers, single.

- Set contents 55492 100:**
- 1 Torque screwdriver, 0.3-1.2 Nm (cat.-no. 55492 101)
  - 1 Torque screwdriver, 1.2-3.0 Nm (cat.-no. 55492 102)
  - 6 Bits Hex-Plus for hexagon socket head screws AF 2 / 2.5 / 3 / 4 / 5 / 6 x 25 mm
  - 9 Bits for TORX® screws TX 6 / 7 / 8 / 9 / 10 / 15 / 20 / 25 / 30 x 25 mm
  - 9 Bits for TORX PLUS® screws TX 6 / 7 / 8 / 9 / 10 / 15 / 20 / 25 / 30 x 25 mm

Set contents	Type	55492	...
26-part	in plastic case with insert		100

Mount inch	Setting range Nm	Stepped scale Nm	Length mm	55492	...
1/4	0.3- 1.2	0.05	155		101
1/4	1.2- 3.0	0.10	155		102



## 55494 Torque screwdriver EN ISO 6789

1/4"



**Type**  
With Rapidaptor quick-exchange mount, Kraftform pistol handle, multi-component.

**Accuracy +/- 6%.**

**Use**  
For 1/4 inch bits DIN 3126-C 6.3 and E 6.3.

Mount inch	Setting range Nm	Stepped scale Nm	Length mm	55494	...
1/4	3.0-6.0	0.25	150		101



## 55500

## Torque screwdrivers



Tools that work for you

easyTorque

## Type

## - With a torque value set at the factory

- Ergonomic multi-component handle enables perfect force transmission
- Audible click when the preset torque has been achieved
- Rapid identification thanks to inscription on handle end

- Unlimited opening torque
- Hard-wearing mechanism resistant to industrial lubricants
- Accuracy +/- 10%

## Use

For tightening with preset torque, used in conjunction with Torque® exchangeable blades cat.-no. 55510 - 55520.

55500



Setting range Nm	Tolerances +/- %	Length mm	Handle thickness mm	55500	...
0.5	10	130	34		201
0.6	10	130	34		202
0.9	10	130	34		203
1.1	10	130	34	#	204
1.2	10	130	34		205
1.4	10	130	34		206
2.0	10	130	34		207

Setting range Nm	Tolerances +/- %	Length mm	Handle thickness mm	55500	...
2.5	10	130	34		208
3.0	10	130	34		209
3.8	10	130	34	#	210
4.0	10	130	34		211
4.5	10	130	34	#	212
5.0	10	130	34		213

## 55501

## Torque screwdriver set EN ISO 6789



Tools that work for you

## TorqueVario®-S set

## Type

**Variable torque presetting. Numerical display of torque in display window.** Torque can be adjusted infinitely with the setting tool Torque-Setter (included). Ergonomic multi-component handle, extremely handy thanks to light and compact design. Audible click when the preset torque has been achieved.

Tested in compliance with EN ISO 6798, BS EN 26789, ASME B107.14M. Accuracy +/- 6%, traceable to national reference. Delivery includes works testing certificate.

## Use

Perfect for screwing reversible cutting inserts. For tightening with preset torque.

55501



Set contents	Type	55501	...
1 TorqueVario® S torque screwdriver, 1.0-5.0 Nm (cat.-no. 55506 104)			
1 Torque® universal bit holder (cat.-no. 55520 101)			
1 Torque-Setter			
5 Bits for TORX® screws T 7 / 8 / 9 / 10 / 15 x 25 mm			
5 Bits for TORX PLUS® screws IP 7 / 8 / 9 / 10 / 15 x 25 mm			

Set contents	Type	55501	...
13-part	in metal box		101

## 55503

## Torque screwdriver EN ISO 6789



Tools that work for you

## TorqueVario®-S

## Type

**Variable torque presetting. Numerical display of torque in display window.** Torque can be adjusted infinitely with the setting tool Torque-Setter (included). Ergonomic multi-component handle, extremely handy thanks to light and compact design. Handle size optimised for torque range. Audible click when the preset torque has been achieved. Tested in compliance with EN ISO 6789, BS EN 26789, ASME B107.14M. Accuracy +/- 6%, traceable

to national reference (see table for deviating tolerances).

Mount: 4 mm hexagonal.

Supplied in plastic box.

## Use

For tightening with preset torque, used in conjunction with Torque® exchangeable blades cat.-no. 55510 - 55520.

## Note:

Cat.-no. 55503 099 Accuracy in the range of 0.1 - 0.46 Nm.

55503



Setting range Nm	Tolerances +/- %	Length mm	Handle thickness mm	55503	...
0.04 - 0.46	10	127	23	#	099
0.1 - 0.6	10	127	23		101
0.1 - 0.6	6	127	23		100
0.4 - 1.0	6	127	23		102
0.8 - 2.0	6	131	30		103
1.0 - 5.0	6	138	36		104
2.0 - 8.0	6	142	41		105





iTorque

Type  
- Torque can be set via digital scale

- Auto-release with calibration alert

- Torque easily adjustable using the rotary knob integrated direct in the handle
- Click Control: integrated counter records each time tool is used
- Calibration alert after every 5000 uses (standard guideline / resettable)
- Large digital display for easy, continuous torque setting
- Units are easy to switch: Nm - in.lbs / Ncm - in.oz
- Accuracy +/- 6%, retraceable to national reference
- Standards: EN ISO 6789, BS EN 26789, ASME B107.14M
- Long tool life: Recalibratable by Wiha Services

- Ergonomic plastic metal composite handle made of high-quality, rugged materials
- Handle size optimally adjusted to torque range
- Easy to hear and feel clicking sound when set torque is reached
- Universal torque bit holder reversible blade for holders of C 6.3 and E 6.3 (1/4 inch) bits included in delivery)

Use

For tightening with preset torque, used in conjunction with Torque® exchangeable blades cat.-no. 55510 - 55520.

55504



Adjustable without separate tool



Test equipment monitor - QS controlled  
Click Control counting function records every use and optimises the test equipment monitor



Calibration alert after 5000 uses for absolute process safety in the test equipment monitoring



- Large digital display with numerical display prevents reading errors
- Units can be changed (Nm - in.lbs / Ncm - i.oz)
- Release accuracy of +/- 6% of preset scale value



Wiha Services  
Recalibratable through Wiha Services

Setting range Ncm / Nm	Setting range in.oz / in.lbs	Length mm	Handle thickness mm	55504	...
40 - 150 Ncm	60 - 210 in.oz	134	34	#	201
0.8 - 3.0 Nm	7 - 26 in.lbs	134	34		202
1.0 - 6.0 Nm	9 - 50 in.lbs	134	40		203



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Performance requires quality





## Type

Blade 4 mm hexagonal, through-hardened, matt-chrome finish. With Wiha ChromTop® tips.

The blades are marked with different colours for the different types of screws.

Blade length 175 mm.

## Use

For Torque screwdriver TorqueFix®, easyTorque, TorqueVario® S and iTorque, cat.-no. 55500-55504.

## Quality

High-quality chrome-vanadium-molybdenum steel.

## Note:

Exchangeable blades for different types of screws available on request.

55514 - 55516

## Type

Very slim blade diameter over the length of 37 mm. Improved access in hard-to-reach screws of reversible cutting inserts or of electronic components.

55515

## Type

With MagicSpring® holding spring, firmly holds TORX® screws reliably.

Cat. no.	Use	Colour code
55510	⊕ Phillips recess head screws PH	dark blue
55512	⊕ Phillips recess head screws PZ	light blue
55514	⊛ TORX® screws	dark green
55515	⊛ TORX® screws	dark green
55516	⊛ TORX PLUS® screws	light green
55518	● Hexagonal socket screws	red



Size	max. Nm	55510	...
PH			
000	0.4	#	103
00	0.4	#	102
0	0.9		101
1	3.8		104



Size	max. Nm	55515	...
T			
6	0.6		101
7	0.9		102
8	1.3		103
9	2.5		104
10	3.7		105
15	5.5		106
20	8.0		107
25	8.0	#	108



Size	max. Nm	55512	...
PZ			
0	0.9	#	101
1	3.8	#	102



Size	max. Nm	55516	...
IP			
5	0.5	#	101
6	0.8		102
7	1.3		103
8	2.0		104
9	3.0		105
10	4.5		106
15	6.6		107
20	8.0		108



Size	max. Nm	55514	...
T			
5	0.4		101
6	0.6		102
7	0.9		103
8	1.3		104
9	2.5		105
10	3.8		106
15	5.5		107
20	8.0		108
25	8.0	#	109



AF mm	max. Nm	55518	...
1.5	0.9		101
2.0	1.8		102
2.5	3.8		103
3.0	5.5		104
4.0	8.0		105

55520

Torque® bit holder / Torque® adapter blade

1/4"



## Type

Drive: 4 mm hexagonal.

## Use

For torque screwdriver TorqueFix®, easyTorque, TorqueVario® S and iTorque, cat.-no. 55500-55504.

## Quality

Blade chrome vanadium-molybdenum steel, through-hardened, matt-chrome finish.

55520 101

## Universal bit holder

## Type

Output 1/4 inch hexagonal end C 6.3 and E 6.3.

## Quality

Sleeve made of stainless steel, blue plastic-coated.

55520 102

## Adapter blade

## Type

Output 1/4 inch square, head glossy nickel-plated, ball lock.



	Length mm	55520	...
Universal bit holder	162		101
Adapter blade	155		102



# Torque screwdrivers | Exchangeable blades

55526

## VDE torque screwdriver EN ISO 6789



Tools that work for you  
TorqueVario® S VDE

### Type

- Torque can be set via window scale
- Automatic release
- Torque can be adjusted infinitely with the setting tool Torque-Setter (included)
- Ergonomic multi-component handle
- Handle size optimally adjusted to torque range
- Audible click when the preset torque has been achieved

- Manufactured in accordance to IEC 60900:2012
- EN ISO 6789, BS EN 26789, ASME B107.14M
- Accuracy +/- 6%, retraceable to national reference
- Slim Torque VDE bit holder for 6 mm slimBits included in delivery
- Delivered in plastic box, includes works testing certificate

### Use

For tightening screws near live components with up to 1000 V AC. **Exclusively for use in combination with a slimTorque VDE bit holder for 6 mm slimBits.**



55526

Setting range Nm	Tolerances +/- %	Length mm	Handle thickness mm	55526	...
0.6 - 2.0	6	131	30	#	101
1.0 - 5.0	6	138	36	#	102
2.0 - 8.0	6	142	41	#	103

55527

## slimTorque VDE bit holder



### Type

- High-quality **chrome-vanadium molybdenum steel**, through-hardened, burnished
- Protective insulation sprayed directly on the blade

- Manufactured according to IEC 60900:2012
- Insulated ClicFix bit holder made of metal locks all slimBits reliably
- Only for 6 mm slimBits
- **Note:** Not to be used for bits with shapes C 6.3 and E 6.3

### Use

For 6 mm slimBits (52497 101-126) with VDE Torque screwdrivers (cat.-no. 55526 101-103).



55527

Outer hexagon mm	Hexagonal blade mm	Length Bit holder mm	Outer Ø mm	55527	...
6	3.8	170	13		101

52497

## slimVario VDE exchangeable bits



### Type

- High-quality **chrome-vanadium steel**, through-hardened, burnished
- Protective insulation that is completely integrated in the front part of the blade is sprayed directly onto the bit (not for end no. 120-121)
- **Manufactured in accordance to IEC 60900:2012**
- Thanks to the integrated protective insulation, low-lying fastening and spring elements can be effortlessly reached and manipulated
- The slim shape of the bit allows easy reaching of the screws below the finger and hand guard
- **Note:** 6 mm slimBits are only to be used in the slimVario bit holder (cat.-no. 52497 201) and slimTorque VDE bit holder (cat.-no. 55526 101-103)

### Note:

Cat.-no. 52497 101-102 and 52497 120-121 are not slim versions.



52497 101-102



52497 103-105

Cutting edge width x thickness mm	Overall length mm	52497	...
2.5 x 0.4	75		101
3.0 x 0.5	75		102
4.0 x 0.8	75		103
5.5 x 1.0	75		104
6.5 x 1.2	75		105



52497 113-114

Size SL/PH	Overall length mm	52497	...
+	1	75	113
+	2	75	114



52497 115-119

Size T	Overall length mm	52497	...
*	8	75	115 NEW
*	10	75	116 NEW
*	15	75	117 NEW
*	20	75	118 NEW
*	25	75	119 NEW



52497 108-109

Size PH	Overall length mm	52497	...
+	1	75	# 108
+	2	75	# 109



52497 120-121



52497 122-126



52497 111-112

Size SL/PZ	Overall length mm	52497	...
+	1	75	111
+	2	75	112

AF mm	Overall length mm	52497	...
●	1.5	75	120 NEW
●	2.0	75	121 NEW
●	2.5	75	122 NEW
●	3.0	75	123 NEW
●	4.0	75	124 NEW
●	5.0	75	125 NEW
●	6.0	75	126 NEW

55521

## ESD torque screwdriver EN ISO 6789

**wiha**  
Tools that work for you

TorqueVario®-S ESD

Type

**Variable torque presetting. Numerical display of torque in display window.**

Torque can be adjusted infinitely with the setting tool Torque-Setter (included). Ergonomic multi-component handle made of electrostatic-shunting plastics. Handle size optimised for torque range. Audible click when the preset torque has been achieved. **Tested in compliance with DIN EN 61340-5-1.**

EN ISO 6789, BS EN 26789, ASME B107.14M.

**Accuracy +/- 6%**, retraceable to national reference (see table for deviating tolerances).

Mount: 4 mm hexagonal.

Supplied in plastic box.

Use

For tightening near parts sensitive to electrostatics, with preset torque, used in conjunction with Torque® ESD exchangeable blades cat.-no. 55522-55525 + 55534.

Note

Cat.-no. 55521 099 Accuracy in the range of 0.1 - 0.46 Nm.

55521



Setting range Nm	Tolerances +/- %	Length mm	Handle thickness mm	55521	...
0.04 - 0.46	10	127	23	#	099
0.1 - 0.6	10	127	23	#	101
0.1 - 0.6	6	127	23	#	100
0.4 - 1.0	6	127	23	#	102
0.8 - 2.0	6	131	30	#	103

55522 - 55525

## Torque® ESD exchangeable blades

**wiha**  
Tools that work for you

Type

Blade 4 mm hexagonal, through-hardened, matt-chrome finish. With Wiha ChromTop® tips. Black plastic-coating, electrostatic-shunting. **Blade length 175 mm.**

Use

For torque screwdrivers TorqueVario®-S ESD cat.-no. 55521.

Quality

High-quality chrome-vanadium-molybdenum steel.

55522

Use

⊖ Slotted screws.

55523

Use

⊕ Phillips recess head screws PH.

55524

Use

⊕ Phillips recess head screws PZ.

55525

Type

Very slim blade diameter over the length of 37 mm. Improved access in hard-to-reach screws of reversible cutting inserts or of electronic components.

Use

⊗ TORX® screws.

55522



55523



55524



55525



Blade length x -thickness mm	55522	...
1.5 x 0.25	#	101
2.0 x 0.40	#	102
3.0 x 0.50	#	103
3.5 x 0.60	#	104
4.0 x 0.80	#	105

Size PH	55523	...
000	#	101
00	#	102
0	#	103
1	#	104

Size PZ	55524	...
0	#	101
1	#	102

Size T	55525	...
5	#	101
6	#	102
7	#	103
8	#	104
9	#	105
10	#	106

55534

## Torque® ESD bit holder

1/4"

**wiha**  
Tools that work for you

Type

Drive 4 mm hexagonal, output 1/4 inch hexagonal end C 6.3 and E 6.3. Blade full-hardened. Sleeve with black plastic sheath, electrostatic-shunting.

Use

For ESD torque screwdrivers TorqueVario® S ESD cat.-no. 55521.

Quality

Blade made of chrome-vanadium-molybdenum steel. Sleeve made of stainless steel.

55534



Length mm	55534	...
162	#	101



55542

**TorqueFix® key torque screwdriver**



**Type**

- Torque value with a fixed preset value
- Automatic release
- Ergonomic key handle
- Extremely handy due to compact design
- Audible click when the preset torque has been achieved
- EN ISO 6789, BS EN 26789, ASME B107.14M

- Accuracy +/- 6%, retraceable to national reference
- Opening torque approx. + 30% via tightening torque
- Delivered in plastic box, includes works testing certificate

**Use**

Especially for hard-to-reach screws and for narrow areas.  
For tightening with preset torque.



55542 101-111



Setting range Nm	Tolerances +/- %	Length mm	Handle thickness mm	55542	...
0.5	6	68	50		101
0.6	6	68	50		102
0.9	6	68	50		103
1.1	6	68	50		104
1.2	6	68	50		105
1.4	6	68	50		106
2.0	6	68	50		107
2.5	6	68	50		108
3.0	6	68	50		109
3.8	6	68	50		110
4.0	6	68	50		111

55542

**TorqueFix® exchangeable blades**



**Type**

- Blade 4 mm hexagonal
- Through-hardened
- Very slim blade diameter for hard-to-reach screws
- Overall length 75 mm
- Blade length 20 mm

**Use**

For tightening with preset torque.  
For torque screwdriver TorqueFix® key, cat.-no. 55542 101-111.

**Quality**

High-quality chrome-vanadium-molybdenum steel.

55542 201-205

**Use**

- Allen screws.



55542 301-308

**Use**

- ✳ TORX® screws.

55542 401-408

**Use**

- ✳ TORX PLUS® screws.

55542 201-205



55542 301-308



55542 401-408



AF mm	max. Nm	55542	...
1.5	0.9		201
2.0	1.8		202
2.5	3.8		203
3.0	5.5		204
4.0	8.0		205

Size T	max. Nm	55542	...
6	0.6		301
7	0.9		302
8	1.3		303
9	2.5		304
10	3.8		305
15	5.5		306
20	8.0		307
25	8.0		308

Size IP	max. Nm	55542	...
6	0.8		401
7	1.3		402
8	2.0		403
9	3.0		404
10	4.5		405
15	6.6		406
20	8.0		407
25	8.0		408

**LARGE SELECTION – SIMPLE SEARCH**

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55535

## T-handle torque tool

**wiha** 

Tools that work for you

## TorqueVario®-STplus

## Type

With numerical torque display in display window. Torque can be adjusted infinitely with the setting tool Torque-Setter (included). Comfortable T-handle with soft zones. Audible click when the preset torque has been achieved. Manufactured according to EN ISO 6789, BS EN 26789, ASME B107.14M.

**Accuracy** +/- 6%, retraceable to national reference.

Mount: 6 mm hexagonal. Delivery in plastic box includes works testing certificate.

## Use

For tightening with preset torque, used in conjunction with Torque® exchangeable blades cat.-no. 55536 - 55538.

55535



Setting range Nm	Length mm	Width mm	55535	...
5 - 14	56	120		101

55536 - 55537

## Torque® exchangeable blades

**wiha** 

Tools that work for you

## Type

Blade 6 mm hexagonal, through-hardened, matt-chrome finish. With Wiha ChromTop® tips. The blades are marked with different colours for the different types of screws.

**Blade length** 130 mm.

## Use

For T-handle torque tools TorqueVario®STplus, cat.-no. 55535.

## Quality

High-quality chrome-vanadium-molybdenum steel.

## Note:

Exchangeable blades for different types of screws available on request.

## 55536

## Use

● Allen screws.

Colour code red.

## 55537

## Use

✱ TORX® screws.

Colour code dark green.

55536



55537



6-point				TORX®					
AF mm	max. Nm	max. in.lbs.	55536	...	Size T	max. Nm	max. in.lbs.	55537	...
3	5.5	49	#	101	15	5.5	49	#	101
4	15	132	#	102	20	10	88	#	102
5	15	132	#	103	25	15	132	#	103
6	15	132	#	104	27	15	132	#	104
					30	15	132	#	105

55538

## Torque® bit quick-change toolholder

1/4"

**wiha** 

Tools that work for you

## Type

Drive: 6 mm hexagonal.

Output 1/4 inch hexagonal C6 .3 and E 6.3.

## Use

For very quick exchange of bits. For T-handle torque tools TorqueVario® STplus, cat.-no. 55535.

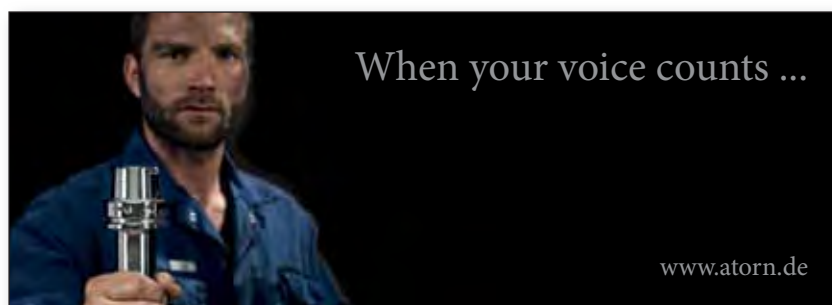
## Quality

Blade chrome vanadium-molybdenum steel, through-hardened, matt-chrome finish.

55538



Length mm	55538	...
125		101



When your voice counts ...

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... your suggestions are heard.

**ATORN**®

Performance requires quality



# Torque screwdrivers

55541

## Torque screwdriver

1/4"

### KANON

#### Type

With cut-out clutch, automatic cut-out when the pre-set value is reached, no overtightening of the screw. Setting by means of a micrometer scale. **Clockwise and counterclockwise operation**, +/-3% accuracy.

#### Note:

Other units available: oz.in, lbf.in, kgf.cm. Also available for 4 mm bits for the electrical industry.

55541 101-107

#### Type

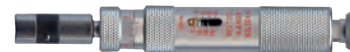
Blade mount 1/4 inch hexagonal end in compliance with DIN 3126.

55541 108

#### Type

With screwable T-handle. Blade mount 1/4 inch hexagonal end in compliance with DIN 3126.

55541 101-102



55541 103-107



55541 108



Measuring range Ncm	Measuring range Nm	Stepped scale Ncm	Stepped scale Nm	Length mm	Weight g	55541	...
1 - 15	-	0.1	-	107	60	#	101
2 - 30	-	0.2	-	107	60	#	102
5 - 60	-	0.5	-	110	99	#	103
20 - 120	-	1.0	-	160	192	#	104
40 - 200	-	1.0	-	160	214	#	105
40 - 300	-	1.0	-	160	214	#	106
100 - 500	-	2.5	-	200	436	#	107
-	4 - 10	-	0.05	235	762	#	108

55531 - 55533

## Torque screwdriver with micrometer ISO 6789

1/4"

### FACOM

#### Type

Screwdriver with 1/4 inch hexagonal socket mount and right-hand turning direction.

Automatic cut-out when reaching the torque range, no exceeding of the tightening value, even at operator error.

Automatic retightening at preset torque.

Easily readable micrometer display.

All FACOM-torque screwdrivers are supplied with a test report acc. to norm.

#### Note:

The handle with reversible ratchet is ergonomically designed and allows easy tightening of the screws, particularly at serial works with higher torque range.

55531 - 55532

#### Torque screwdriver set.

In impact-resistant plastic box.

55533

#### Torque screwdriver, single.

#### Note:

Adapter for mounting socket wrench bits see cat.-no. 52932 101.

55531



55532



55533



**Set contents 55531 101-102**

1/4 inch $\odot$ torque screwdriver
9 Hexagonal inserts AF 3.2 / 4 / 5 / 5.5 / 6 / 7 / 8 / 9 / 10 mm
2 Extensions 100 mm and 150 mm
1 Adapter 1/4 inch $\bullet$ x 1/4 inch $\blacksquare$
1 Setting wrench
1 Handle with reversible ratchet

**Set contents 55532 101**

1/4 inch $\odot$ torque screwdriver 0.5 - 2.5 Nm
3 Inserts 0.6 x 4.5 / 1.2 x 6.5 / 1.6 x 8.0 mm
3 Inserts PZ 1 / 2 / 3
3 Hexagonal inserts AF 3 / 4 / 5 mm
1 Connecting piece 1/4 inch $\bullet$ x 1/4 inch $\blacksquare$ , magnetic
1 Setting wrench
1 Handle with reversible ratchet

**Set contents 55532 102**

1/4 inch $\odot$ torque screwdriver 2 - 10 Nm
3 Inserts 0.6 x 4.5 / 1.2 x 6.5 / 1.6 x 8.0 mm
3 Inserts PZ 1 / 2 / 3
3 Hexagonal inserts AF 4 / 5 / 6 mm
1 Connecting piece 1/4 inch $\bullet$ x 1/4 inch $\blacksquare$ , magnetic
1 Setting wrench
1 Handle with reversible ratchet

Setting range Nm	Stepped scale Nm	Set		Screwdriver, single	
		55531	...	55532	...
0.5 - 2.5	0.1	#	101	#	101
2.0 - 10.0	0.5		102		102

55540

## Torque screwdriver

1/4"



## Use

Single application and small repetitive application.

55540

## Type

Micro fine adjustment. Good scale display under viewing window. The desired value can easily be adjusted at the end of the handle. Drive 1/4 inch hexagon socket DIN 3126 D 6.3. Including adapter to 1/4 inch square.



Setting range cNm	Length mm	55540	...
10 - 80	140	#	101
40 - 200	160	#	102
50 - 450	170		103

55550

## Torque screwdrivers

1/4"



## Type

With quick-exchange mechanism for tools with 1/4 inch hexagonal socket mount. Micrometer graduation for single and accurate adjustment. When the preset value is reached, the screwdriver slips through, therefore overtightening is prevented. No unintended adjustment of the preset value thanks to a safe locking mechanism. **Right-hand- and left-hand operation** with constant repeat accuracy. Ergonomically shaped non-slip rubber handle. For working with bits with 1/4 inch hexagonal drive in compliance with C 6.3 DIN 3126.

With 1/4 inch hexagonal 1/4 inch square drive for socket wrench bits with 1/4 inch square drive in compliance with DIN 3124. **Release accuracy + /- 6%** of preset value. Including test certificate in compliance with DIN EN ISO 6789.

**Cat.-no. 55550 102 with sliding T-handle for operating 1/4 inch square of the handle.**

55550



55550 100-102



55550 102

Setting range	Stepped scale	Length mm	Weight kg	55550	...
5 - 40 cN.m	1.0 cN.m	159	0.124	#	100
20 - 120 cN.m	1.0 cN.m	183	0.165	#	101
1 - 6 N.m	0.1 N.m	196	0.340	#	102



55560

## Torque screwdriver

1/4"



## Type

With 1/4 inch hexagonal socket mount, torsion flat spring as measuring element. Display with drag pointer, **right-hand- and left-hand operation**. Pointers display the torque value directly onto the Ncm-scale, a self-locking slider can be used to mark the intended value.

Accuracy is in compliance with the revised DIN ISO Norm 6789. Display deviation +/- 4%.

## Note:

Adapter for mounting socket wrench bits see cat.-no. 52932 101.

55560



Setting range cNm	Setting range inch.lb	Stepped scale cNm	Length mm	Weight kg	55560	...
15 - 75	1.5 - 6.5	2.5	185	0.225		106
30 - 150	3 - 13	5	185	0.228		107
60 - 300	6 - 26	10	185	0.232		108
120 - 600	12 - 52	20	185	0.236		109



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## Performance requires quality.

For example, with the revolving lathe centre from ATORN.

- Extended moving point
- True-running deviation, max. 0.005 mm
- Completely hardened and ground
- Protected against penetration of contamination and coolant

**ATORN®**  
Performance requires quality.



# Torque wrench

55580 - 55583

## DREMASTER K torque wrench

1/4" 3/8" 1/2" 3/4"



### Type

- Classified in compliance with DIN EN ISO 6789:2003 Type II Class A, with a traceable factory certificate
- Calibrated to a permitted deviation of +/- 3% and better. The specification of the standard (+/- 4%) is exceeded for your safety
- **For controlled clockwise and counterclockwise operation**
- **1/4, 3/8 and 1/2 inch:** Mushroom head push-through square with push-button release and ball lock
- **3/4 inch:** With square piece and locking pin
- Sturdy, satin chrome-plated tubular steel construction, with chrome-plated ratchet and high-quality plastic parts
- Ergonomically shaped 2-component plastic handle with calibration aid
- Change-over between main N.m scale and lbf.ft ancillary scale to avoid reading errors when setting the desired torque
- With micrometre scale for N.m main scale for setting interim value
- Release system triggers a tactile and audible signal
- Ergonomic system for torque adjustment with reference symbol
- Quick-adjust option using key wrench, not supplied
- Secured adjusting/setting system
- Patent pending

### Use

Controlled screw tightening in the most common range of 20 - 850 N.m / 15 - 630 lbf.ft (guideline for screws M7-M10.9 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.

### 55580

#### Torque wrench sets

#### Type

- The DREMASTER K is a practical tool set
- Most commonly used GEDORE quality tools in a solid sheet-metal case
- Clearly organised - everything always ready to hand
- With foam-material inlay modules (on request, these can be customised or extended individually)

### 55583

#### Torque wrench, single



Mushroom head push-through square with push-button release and ball lock

55580



55583



### Set contents

Cat.-no. 55580 204:

- 1 Torque wrench 1/2 inch (cat.-no. 55583 103)
- 5 Hexagonal socket wrench inserts AF 10 / 13 / 17 / 19 / 24 mm
- 1 Extension 125 mm, 1 spare square drive pin 1/2 inch

Cat.-no. 55580 205:

- 1 Torque wrench 1/2 inch (cat.-no. 55583 104)
- 5 Hexagonal socket wrench inserts AF 10 / 13 / 17 / 19 / 24 mm
- 1 Extension 125 mm, 1 spare square drive pin 1/2 inch

### Set contents

Cat.-no. 55580 206:

- 1 Torque wrench 1/2 inch (cat.-no. 55583 105)
- 4 Hexagonal socket wrench inserts AF 17 / 19 / 24 / 27 mm
- 1 Extension 125 mm, 1 spare square drive pin 1/2 inch

Cat.-no. 55580 207:

- 1 Torque wrench 3/4 inch (cat.-no. 55583 106)
- 4 Hexagonal socket wrench inserts AF 18 / 19 / 24 / 27 mm
- 1 Extension 200 mm, 1 spare square drive pin 3/4 inch

Connection square inch	Setting range N.m	Setting range lbf.ft	Stepped scale N.m	Length mm	Set		single	
					55580	...	55583	...
1/4	2 - 25	1.5 - 18	1	285.0				101
3/8	5 - 50	4 - 37	2.5	335.0				102
1/2	20 - 100	15 - 75	5	423.5		204		103
1/2	40 - 200	30 - 150	10	514.5	#	205		104
1/2	60 - 300	45 - 220	10	606.5	#	206		105
3/4	80 - 400	60 - 300	10	715.5	#	207		106
3/4	100 - 550	80 - 405	10	953.5			#	107
3/4	150 - 750	110 - 550	10	1228.5				108
3/4	250 - 850	185 - 630	10	1375.5			#	109

# SAFETY FIRST! The current PSA catalogues



55620

## DREMASTER UK torque wrench

1/2"

GEDORE

## Type

- Classified in compliance with DIN EN ISO 6789:2003 Type II Class A, with a traceable factory certificate
- Calibrated to a permitted deviation of +/- 3% and better. The specification of the standard (+/- 4%) is exceeded for your safety
- **For the controlled clockwise operation.**
- With 1/2 inch reversible ratchet
- Sturdy, satin chrome-plated tubular steel construction, with chrome-plated ratchet and high-quality plastic parts
- Ergonomically shaped 2-component plastic handle with calibration aid
- Change-over between main N.m scale and lbf.ft ancillary scale to avoid reading errors when setting the desired torque
- With micrometre scale for N.m main scale for setting interim value

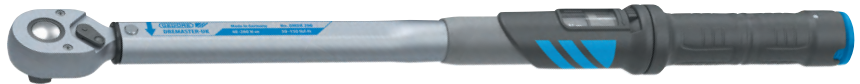
- Release system triggers a tactile and audible signal
- Ergonomic system for torque adjustment with reference symbol
- Quick-adjust option using key wrench, not supplied
- Secured adjusting/setting system
- Patent pending

## Use

Controlled screw tightening in the most common range of 20 - 850 N.m / 15 - 630 lbf.ft (guideline for screws M7-M10.9 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.



55620



Connection square inch	Setting range N.m	Setting range lbf.ft	Stepped scale N.m	Length mm	55620	...
1/2	20 - 100	15 - 75	5	438		201
1/2	40 - 200	30 - 150	10	529		202
1/2	60 - 300	45 - 220	10	620	#	203

55623

## Torque wrench

3/8"

1/2"

STAHLWILLE

## Type

Torque wrench with cut-out and double stop signal, quick adjustment, double scale Nm/ft.lb and long-term accuracy. The robust steel tube housing protects all sensitive parts. The measuring function is out of order when the tool is misused, e.g. when trying to loosen seized screws. Easily adjustable without disassembly, for example, with test equipment from cat.-no. 51795 et seq. **Display deviation +/- 4%.** With test certificate.

55623 101-102

## Type

With permanently installed ratchet for clockwise and counterclockwise operation.

55623 103

## Type

With square piece.

55623 101-102



Connection square inch	Setting range Nm	Setting range ft.lb	Stepped scale Nm	Stepped scale ft.lb	Length mm	Weight kg	55623	...
3/8	6 - 50	5 - 36	2	1	352	0.900		101
1/2	30 - 150	25 - 110	5	5	452	1.305		102
1/2	60 - 300	50 - 220	10	10	553	1.720		103

55626

## Torque wrench

3/8"

SALTUS

SOLLINGEN - GERMANY

TTI

## Type

- 8-fold cam release mechanic

- Right-hand action with free wheel
- Setting the wrench by means of the supplied setting wrench
- **Release accuracy +/- 4%** of preset value. Including test certificate to DIN ISO 6789 enclosed.



55626

Connection square inch	Setting range Nm	Length mm	55626	...
3/8	5 - 30	250		101

When you think laterally ...

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... new ideas arise.

ATORN®

Performance requires quality



## Torque wrench

55640

### Torque wrench with reversible ratchet

1/4"

3/8"

1/2"



**ATORN®**

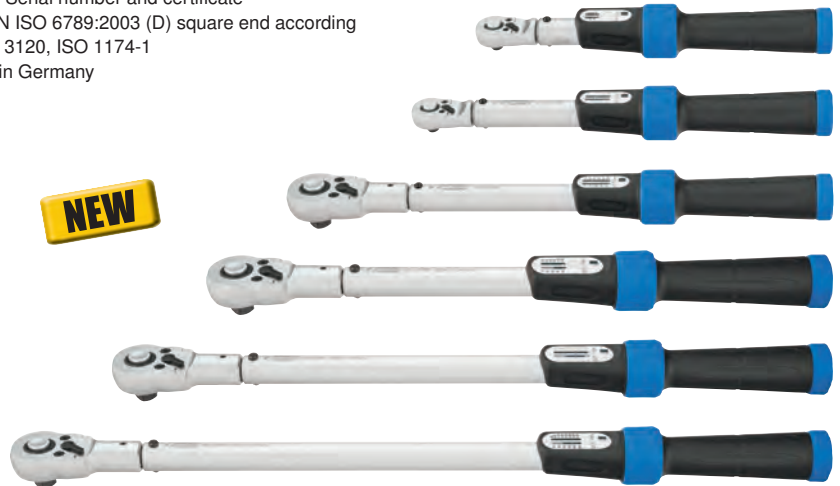
**Type**

- Haptic and acoustic setting aid
- Ergonomic and easy to service reversible ratchet, with integrated reversing lever
- User-friendly thanks to ergonomically shaped handle with structured hand-friendly handle-surface
- Clearly audible and tactile short release path when the preset torque is reached.
- Precision fine scaling
- Quickly securing and opening with a locking ring
- **Accuracy +/- 3 % of scale value** (+/- 4% for setting range 1-6 Nm)
- Double scale with Nm and lbf.ft.
- Sturdy tube construction
- Reversible ratchet with locking pushbutton
- Viewing window protects the scale against damage
- High-quality permanent identification by laser marking

- Securely packed for transport in a handy rotary pack including wall mount
- incl. of Serial number and certificate
- DIN EN ISO 6789:2003 (D) square end according to DIN 3120, ISO 1174-1
- Made in Germany

55640

**NEW**



Connection square inch	Setting range Nm	Scale division Nm	Error tolerance +/- %	Length mm	Ratchet No. of teeth	55640	...
1/4	1 - 6	0.1	4	234	20		201
1/4	2.5 - 25	0.25	3	274	20		202
3/8	10 - 60	0.5	3	355	30		203
1/2	20 - 120	1.0	3	456	32		204
1/2	40 - 200	1.0	3	551	32		205
1/2	60 - 320	2.0	3	621	32		206

55645

### Torque wrench

1/2"

**HAZET®**

**Type**

**DIN EN ISO 6789:2003 (D)**

**Click-Lens type:** Large digits for exact and easily readable torque setting.

Secure and precise setting of the desired cut-out torque value. Exact and easier reading of the torque value. 3-digit optomechanic torque value display with large digits in a viewing window. Tactile torque release via short release path and audibly with a click sound.

- Release accuracy +/- 4% of preset value. Large, curved viewing window (replaceable) for easier reading. Torque setting quickly and securely by means of turning the handle. Reversible ratchet. Ergonomically shaped handle. Safety lock in handle. With serial number and test certificate.



55645



Connection square inch	Setting range Nm	Length mm	55645	...
1/2	20 - 120	435		101
1/2	40 - 200	545		102
1/2	60 - 320	660		103

55646

### Production Indicating Torque Wrenches

1/4"

3/8"

1/2"

**HAZET®**

**Type**

**Accuracy in operating direction +/- 4% of scale value (end no.100 +/-6 %) according to DIN EN ISO 6789:2003 (D)**

- Safe: haptic (short release path) and acoustic (angled element)
- Torque setting quickly and securely by means of turning the handle

- User-friendly reversible ratchet, **clockwise and counter-clockwise operation**
- Easy to service (ratchet repair sets available)
- integrated reversing lever with free-wheel function **reduces risk of injury and malfunctions**
- Exact: Precision stepped scale
- Safe locking of the handle using rotating assembly - no risk of pinching!
- Ergonomic
- With serial number and test certificate.

55646 100-101



55646 102



55646 106



55646 103-105



Connection square inch	Setting range Nm	Stepped scale Nm	Length mm	55646	...
1/4	1 - 9	0.1	235		100 <b>NEW</b>
1/4	2.5 - 25	0.25	232		101
3/8	10 - 60	0.50	320		102
1/2	10 - 60	0.50	320		106
1/2	20 - 120	1.00	408		103
1/2	40 - 200	1.00	513		104
1/2	60 - 320	2.00	632		105

51726

## Production Indicating Torque Wrenches

1/4" 3/8" 1/2" 3/4"



## Type

DIN EN ISO 6789:2003 (D)

Sturdy, with micrometre scale, **clockwise and counter-clockwise operation**. Torque setting by turning the handle. Value (Nm) can be read off on the scale. With plastic handle, oil and petrol-resistant. Drive: **Reversible ratchet with driving square DIN 3120**. Release accuracy in operating direction +/- 2% of scale value (cat.-no. 51726 097 +/-4%).

## Use

Suitable for mechanical engineering, ship building and fitting.

51726 097 + 099 + 100 + 105 + 106

## Type

Without signal button, 2-component handle for improved haptics, simplified catch to set the torque value, viewing window for visual inspection of the lock and with 3 additional coloured coding rings for marking for personalizing or for special workflows.

## Note:

Cat.-no. 51726 101-106 in safe box.

51726 097-099



51726 100



51726 101-104



51726 105-106



Connection square inch	Setting range Nm	Stepped scale Nm	Length mm	Weight kg	51726	...
1/4	1 - 6	0.1	197	0.30	097	
1/4	2 - 10	0.2	198	0.34	099	
1/4	4 - 40	0.4	256	0.40	100	
3/8	5 - 60	0.5	335	0.52	101	
1/2	20 - 120	1.0	435	1.25	102	
1/2	40 - 200	1.0	543	1.40	103	
1/2	60 - 320	2.0	659	1.70	104	
3/4	100 - 400	2.5	803	3.65	105	
3/4	300 - 800	2.5	1280	6.20	106	

55647

## Torque wrench

3/4" 1"



## Type

Separates into 2 parts (55647 103 in 3 parts) with unlocking tool, bag - to carry in the hand or on the back.

Accuracy in operating direction +/-3% of scale value (55647 103 +/-4%).

Also possible to perform faster tightening of screws with ratchet shaft, torque-tightening only with full key, 2-component handle for improved haptics, simplified catch to set the torque value, viewing window for visual inspection of the lock and with

3 additional coloured coding rings for marking for personalizing or for special workflows.

## Use

Perfect for professional industry climbers. Use of wind turbines, in shipyards, in the aerospace and heavy industry, in the commercial vehicle sector, etc.

55647 103



Connection square inch	Setting range Nm	Cut-out force N / kg	Overall length approx. mm	Weight approx. kg	55647	...
3/4	400 - 1.000	590 / 60	1788	10	101	
1	600 - 1.600	685 / 70	2455	14	# 102	
1	800 - 2.000	685 / 70	3034	18	# 103	

55650

## Torque wrench

3/4"



## Type

Torque wrench with cut-out and ratchet, double stop signal, comfortable adjustment, double scale Nm/ft.lb and long-term accuracy.

The sturdy steel tube in aluminum U-profile protects all sensitive parts.

Can easily be adjusted without the necessity of taking it apart. Guaranteed accuracy:

**Display deviation +/- 4%**. With test certificate.

55650



Connection square inch	Setting range Nm	Setting range ft.lb	Stepped scale Nm	Stepped scale ft.lb	Length mm	Weight kg	55650	...
3/4	160-800	120-600	20	20	1051	6.77	101	
3/4	200-1000	150-725	25	25	1504	6.97	# 102	

55651

## Torque wrench DREMOMETER MINI

1/4"



## Type

With 1/4 inch square drive with ball lock

**DIN 3120 - A 6.3 ISO 1174** for controlled **clockwise operation**. In compliance with DIN EN ISO 6789, retraceable to national reference.

Automatic short release path with audible and tactile signal. Release accuracy +/- 3% tolerance of preset scale value. Lightweight plastic housing made of

high-quality, glass-fibre reinforced high-tech polyamide with soft zones in the handle area.

Double scale for N.m and lbf.in.

**Micrometer scale with a graduation of 0.05 N.m.**

Viewing window with magnifying glass effect. Secure locking mechanism of the set torque thanks to the adjustment knob which locks in place.

Test certificate in compliance with DIN EN ISO 6789 Typ II Klasse A included. Supplied in plastic box.

55651



Setting range N.m	Setting range lbf.in.	Stepped scale N.m	Stepped scale lbf.in.	55651	...
2 - 12	18 - 106	0.5	5	101	



51731

**Torque wrench DREMOMETER / AM**

1/4"



**Type**

- Double lever mechanism
- Acoustic and tactile release signal
- **For clockwise operation**
- Lightweight and handy
- Double scale for N.m and lbf.in.

- 1/4 inch square drive with ball lock
- A 6.3 **DIN 3120/ISO 1174**
- Release accuracy +/- 3% tolerance of every adjustment value
- Test certificate in compliance with DIN EN ISO 6789 enclosed
- Supplied in plastic box.



51731

Setting range N.m	Setting range lbf.in.	Stepped scale N.m	Stepped scale lbf.in.	Length mm	Weight kg	51731	...
6 - 30	50 - 270	1	10	265	0.6	#	101

51733

**Torque wrench DREMOMETER / A**

3/8"



**Type**

- Double lever mechanism
- Acoustic and tactile release signal
- **For clockwise operation**
- Lightweight and handy

- Double scale for N.m and lbf.in.
- 3/8 inch square drive with ball lock A 10 **DIN 3120/ISO 1174**
- Release accuracy +/- 3% tolerance of every adjustment value
- Test certificate in compliance with DIN EN ISO 6789 enclosed



51733

Setting range N.m	Setting range lbf.in.	Stepped scale N.m	Stepped scale lbf.in.	Length mm	Weight kg	51733	...
8 - 40	70 - 350	5	50	340	1.0	#	101

51735

**Torque wrench DREMOMETER / B and BC**

1/2"



**Type**

- Double lever mechanism
- Acoustic and tactile release signal
- **For clockwise operation**
- Convenient wrench, long enough for good leverage but light enough to use for long periods without fatigue

- Highest precision even during extreme continuous use
- 1/2 inch square drive with ball lock A 12.5 **DIN 3120/ ISO 1174**
- Release accuracy +/- 3% tolerance of every adjustment value
- Test certificate in compliance with DIN EN ISO 6789 enclosed



51735

Type	Setting range N.m	Setting range lbf. ft.	Stepped scale N.m	Stepped scale lbf. ft.	Length mm	Weight kg	51735	...
DREMOMETER / B	20 - 120	15 - 90	5	5	463	1.5	#	101
DREMOMETER / BC	40 - 200	30 - 150	5	5	553	1.4	#	102

51737

**Torque wrench DREMOMETER / C**

1/2"



**Type**

- Acoustic and tactile signal
- **For clockwise operation**
- Thanks to elongated lever chain, there is minimum wear and an extremely long tool life

- Low effort expended during continuous use
- 1/2 inch square drive with ball lock A 12.5 **DIN 3120/ISO 1174**
- Release accuracy +/- 3% tolerance of every adjustment value
- Test certificate in compliance with DIN EN ISO 6789 enclosed



51737

Setting range N.m	Setting range lbf. ft.	Stepped scale N.m	Stepped scale lbf. ft.	Length mm	Weight kg	51737	...
50 - 300	35 - 220	5	5	618	2.0	#	101

51741

**Torque wrench DREMOMETER / CD, DS, D, DR and DX**

3/4"



51741 100+104+101

**DREMOMETER / CD, DS and D**

- Acoustic and tactile signal
- **For clockwise operation**
- Convenient wrench
- 3/4 inch square drive with locking pin B 20 **DIN 3120/ISO 1174**
- Release accuracy +/- 3% tolerance of every adjustment value
- Test certificate in compliance with

DIN EN ISO 6789 enclosed

51741 102+103

**DREMOMETER / DR and DX**

- **Additional extension tube**, resulting in effortless attainment of higher torque values
- Infinitely adjustable from 1100 - 1400 mm
- Special handle for use without extension tube



51741 100+104+101



51741 102-103



Type	Setting range N.m	Setting range lbf. ft.	Stepped scale N.m	Stepped scale lbf. ft.	Length mm	Weight kg	51741	...
DREMOMETER / CD	80 - 360	60 - 260	5	5	718	2.4	#	100
DREMOMETER / DS	110 - 550	80 - 405	10	10	812	2.9	#	104
DREMOMETER / D	140 - 760	105 - 560	10	10	812	3.2	#	101
DREMOMETER / DR	140 - 760	105 - 560	10	10	800/1100 - 1400	5.0	#	102
DREMOMETER / DX	520 - 1000	380 - 730	10	10	800/1100 - 1400	5.6	#	103



51739

## Torque wrench set DREMOMETER / DR (13-piece)

3/4"

**GEDORE** **Type**

**Metric**, acoustic and tactile signal, torque wrench with extension tube, resulting in effortless attainment of higher torque values. Infinitely adjustable from 1100 - 1400 mm.

For **clockwise operation**, 3/4 inch square drive with locking pin B 20 **DIN 3120/ISO 1174**.  
Special handle for use without extension tube.

Release accuracy +/- 3 % tolerance of any preset value. Inclusive of test certificate in compliance with DIN EN ISO 6789.

51739



Set contents	
1	Torque wrench
1	Extension tube
1	Geared ratchets
2	Extensions 200 / 400 mm
8	Socket wrench inserts AF 22 / 24 / 27 / 30 / 32 / 36 / 41 / 46 mm

Set contents	Setting range N.m	Setting range lbf. ft.	Stepped scale N.m	Stepped scale lbf. ft.	Infinitely adjustable length mm	Type	51739	...
13-part	140 - 760	105 - 560	10	10	800/1100 - 1400	in sheet-metal case	#	101

51743

## Torque wrench DREMOMETER / E

1"

**GEDORE** **Type**

- Acoustic and tactile signal  
- **For clockwise operation**  
- 1 inch square drive with locking pin B 25 **DIN 3120/ISO 1174**  
- With handle adapter for extending the lever arm

- With no change to the measured accuracy  
- Release accuracy +/- 3% tolerance of every adjustment value

- Test certificate in compliance with DIN EN ISO 6789 enclosed

51743



Setting range N.m	Stepped scale N.m	Length mm	Weight kg	51743	...
750 - 2000	50	1078/1998	11.6	#	101

51750

## Geared ratchets

1/4" 3/8" 1/2" 3/4" 1"

**GEDORE** **Type**

Finely toothed and robust.

**Use**

For the rational use of torque wrench DREMOMETER. **For clockwise operation.**

**Note:**

Ratchet adapter for counter-clockwise operation available on request.



51750

Connection square inch	Weight approx. g	51750	...
1/4	50	#	101
3/8	150	#	102
1/2	350		103

Connection square inch	Weight approx. g	51750	...
3/4	1000		104
1	2500	#	105

55655 - 55660

## Torque wrenches SLIPPER

1/4" 3/8" 1/2"

**ATORN**®

55655 101-102

**Type**

**Adjustable torque wrench with scale.** Release accuracy +/- 6% tolerance of preset scale value. Precision mechanism gives a distinct haptic signal - overtightening is not possible.

**Automatic resetting in the initial position.**

**ESD (electrostatic discharge)**

55660 101-102

**Type**

**Presettable torque wrench without scale.**

Release accuracy +/- 6% tolerance of preset value. Precision mechanism gives a distinct haptic signal - overtightening is not possible.

**ESD (electrostatic discharge)**

55660 103-105

**Type**

**Presettable torque wrench without scale.**

Release accuracy +/- 4% tolerance of preset value. Precision mechanism gives a distinct tactile signal - overtightening is not possible.

Connection square Inch	Setting range N.m	Setting range lbf.in	Weight g	55655	...	55660	...
1/4	1 - 5	-	235	#	101		
1/4	2 - 10	-	235	#	102		
1/4	1 - 5	10 - 45	190			#	101
1/4	2 - 10	20 - 90	190			#	102
1/4	3 - 25	-	340			#	103
3/8	15 - 55	-	800			#	104
1/2	40 - 125	-	1360			#	105



55655 101-102



55660 101-102



55660 103-105



55674

Torque wrenches with clock display

1/4" 3/8" 1/2"



**Type**  
With drag pointer. For clockwise and counter-clockwise operation. Accuracy of display +/- 3% of shown value.



55674

**Note:**  
Other units available: lbf.ft, lbf.in, kgf.cm.

Connection square inch	Setting range Nm	Stepped scale Nm	Length mm	Weight kg	55674	...
1/4	0.6 - 6	0.1	260	0.50		101
1/4	1 - 12	0.2	260	0.50		102
3/8	5 - 30	0.5	323	0.61		103
3/8	10 - 70	1.0	323	0.61		104
1/2	20 - 140	2.0	463	0.87	#	105
1/2	20 - 200	2.0	463	0.87	#	106

55675

Torque wrenches with clock display

1/4" 3/8" 1/2"



**Type**  
Reliable and robust. Guaranteed non-friction transmission from square drive to dial indicator, therefore smooth force transmission. Lightweight, comfortable in handling. Exact measured values with a measuring error tolerance of +/- 4%. Double scale: Nm and lbf.in./lbf.ft. Impact-proof precision dial indicator with protected measuring device and easily readable scale.

**Use**  
For exact and effortless operation. For clockwise and counter clockwise operation.



55675

Connection square inch	Setting range Nm	Stepped scale Nm	Length mm	55675	...
1/4	0 - 9	0.2	292		202
3/8	0 - 70	2.0	381		205
1/2	0 - 350	10.0	552		208

55720

Torque multiplier DREMOPLUS ALU

1/2" 3/4"



**Type**  
- Mechanical, hand-operated torque multiplier for the controlled tightening of and loosening of screws  
- Housing made of heavy duty aluminum  
- With Z-form offset reaction arm made of chrome-vanadium steel  
- Can be optionally retrofitted with L-form straight reaction arm, with adjustable reaction arm, of lightweight metal  
- Guaranteed accuracy:  
Better than +/- 3 % tolerance  
- For operation in combination with a torque wrench  
- Output square with drill hole for impact socket bits with safety pin and ring  
**Scope of supply:**  
- Torque multiplier DREMOPLUS ALU  
- With Z-form offset reaction arm  
- Delivery in sturdy shipping case with foam insert  
- Factory test certificate and setting table  
- Detailed technical information is available on request

**55720 201**  
**Type**  
- With a single-stage planet gear  
**55720 202**  
**Type**  
- With two-stage planet gear  
- With anti-wind-up ratchet (RS)  
- With non-destructive overload safety mechanism for gear protection, clockwise and anticlockwise

**55720 301**  
**L-form straight reaction arm**  
**Use**  
For torque multiplier 3/4 inch, cat.-no. 55720 201.

**55720 302**  
**L-form straight reaction arm**  
**Use**  
For torque multiplier 1.1/2 inch, cat.-no. 55720 202.



55720 201



55720 202

Connection square Input - Output inch	Output torque max. N.m / lbf.ft	Input torque max. N.m / lbf.ft	Transmission ratio	Width mm	Height mm	Weight kg	55720	...	55720	...
1/2 - 3/4	1.300 / 950	270 / 200	1:5	80	133	1.9	#	201	#	301
3/4 - 1.1/2	6.000 / 4.400	400 / 300	1:18	102	257	10.4	#	202	#	302

55725

Torque multiplier

1/2" 3/4"



Type

With overload protection and epicyclic gear. With spare hexagonal drive for the overload protection. **Display deviation +/- 5%**. In carrying case.

Use

The torque multipliers makes work much easier when hard-to-reach or large screw connections must be tightened or loosened. Even large torques are easily transferred with a high degree of long-term accuracy.

Note:

Cat.-no. 55725 103 with return safety device.



55725 101



55725 102



55725 103

Connection Input	Square inch Output	Output Nm	cap. max. ft.lb	Input Nm	cap. max. ft.lb	Transmission ratio	Torque-ratio	W mm	H mm	L mm	Weight kg	55725	...
1/2	3/4	800	590	229	169	4:1	1:3.5	66	85	215	2.0	#	101
3/4	3/4	1350	996	375	277	4:1	1:3.6	90	106	265	3.4	#	102
1/2	1	2000	1475	160	118	16:1	1:12.5	95	161	330	7.0	#	103

55727

Torque multiplier DREMOPLUS ALU

3/4"



Type

- Mechanical, hand-operated torque multiplier for the controlled tightening of and loosening of screws
- With a single-stage planet gear
- Housing made of heavy duty aluminum
- Guaranteed accuracy: better than +/- 3 % tolerance
- For use with a torque wrench
- Output square with drill hole for impact socket bits with safety pin and ring

Scope of supply:

- Torque multiplier DREMOPLUS ALU
- With fixed integrated reaction arm
- Delivery in sturdy shipping case with foam insert
- Factory test certificate and setting table
- Detailed technical information is available on request

55727 101

Type

With straight L-form reaction arm, with adjustable reaction arm, of lightweight metal.

55727 102

Type

With Z-form offset reaction arm made of chrome-vanadium steel



55727 101

55727 102

Reaction arm	Connection square Input - Output inch	Output torque max. N.m / lbf.ft	Input torque max. N.m / lbf.ft	Transmission ratio	Width mm	Height mm	Weight kg	55727	...
straight L-form	3/4 - 1.	2.800 / 2.050	550 / 410	1:6	106	146	3.4	#	101
offset Z-form	3/4 - 1.	2.800 / 2.050	550 / 410	1:6	106	146	3.9	#	102

55780

Torque wrench for insert tools

9x12 14x18 MADE IN GERMANY



Type

- Haptic and acoustic setting aid
- User-friendly thanks to ergonomically shaped handle with structured hand-friendly handle-surface
- Audible and tactile short release path when preset torque is reached.
- Locking pushbutton on the plug-in square head
- Precision fine scaling
- Quickly securing and opening with a locking ring
- **Accuracy +/- 3 % of the scale value**
- Double scale with Nm and lbf.ft.
- Sturdy tube construction
- Viewing window protects the scale against damage
- High-quality permanent identification by laser marking

- Securely packed for transport in a handy rotary pack including wall mount
- Incl. of Serial number and certificate
- DIN EN ISO 6789:2003 (D)
- Made in Germany



55780

Insert mount mm	Setting range Nm	Stepped scale Nm	Error tolerance +/- %	Length mm	55780	...
9 x 12	2.5 - 25	0.25	3	258		201
9 x 12	10 - 60	0.5	3	312		202
14 x 18	20 - 120	1.0	3	393		203
14 x 18	40 - 200	1.0	3	488		204
14 x 18	60 - 320	2.0	3	558		205

## Torque wrenches

55785

### Adjustable torque wrenches KNICKER

9x12

**ATORN®**

**Type**

- Without scale
- Fixed setting using torque test equipment
- Handles bend up to 20° and up to 90° by removing the limit ring

- Bending when the torque value is reached makes overtightening unlikely
- Release accuracy +/- 4% tolerance of preset value
- **Counterclockwise operation by switching the plug-in tools.**

**Use**

For mounting insert tools.



55785

Insert mount mm	Setting range Nm	Setting range lbf.in.	Weight g	55785	...
9 x 12	0.2 - 2	1.8 - 18	110	#	101
9 x 12	1 - 10	9 - 89	130		102

51757

### Torque wrench

9x12 14x18

**HAZET®**

**Type**

- DIN EN ISO 6789:2003 (D)
- Robust
- With fixed adjustable value
- **Setting and securing the torque only with combination wrench cat.-no. 51758, in connection with torque test equipment, e.g. cat.-no. 55961**
- Repeat accuracy after 50,000 tightenings +/- 2%
- Without setting scale

- No self-adjustment
- **Acoustic and tactile signal** when the preset torque is reached
- **Only for clockwise operation**
- Loosening of screw connections without torque function
- With plastic handle
- **Tool connection: plug connection**

**Use**

For mounting insert tools.  
For repetitive application.



51757 101-102



51757 103-104

Insert mount mm	Setting range Nm	Length mm	Weight kg	51757	...
9 x 12	2 - 12	125	0.185		101
9 x 12	2 - 25	180	0.240		102
9 x 12	15 - 35	180	0.243		103
9 x 12	5 - 50	240	0.295		104
9 x 12	15 - 85	315	0.363		105
14 x 18	50 - 200	400	0.710		106
14 x 18	60 - 320	630	1.050		107



51757 105



51757 106-107

51758

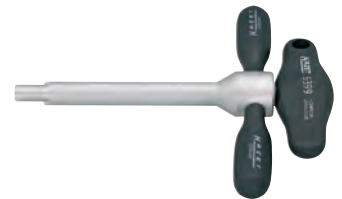
### Combination wrench (setting wrench)

**HAZET®**

**Use**

For setting the torques on torque wrenches cat.-no. 51757.

Length mm	51758	...
167		101



51758

55790

### Torque wrenches

9x12 14x18

**STAHLWILLE®**

**Manoscope for repetitive applications**

**Type**

- Releasing torque wrench with double stop signal
- Particularly lightweight and handy thanks to the patented design
- Handle and shank made of square steel tube
- Additional loading after releasing or loads against the functional direction do not act on the release mechanism

- **Tool connection: plug connection**
- **Clockwise and counter clockwise operation**
- **Display deviation +/- 4%**
- No setting scale, therefore setting only in conjunction with torque testing equipment cat.-no. 51795 et seq.

**Use**

For mounting insert tools. For work on assembly line or in the Series production.



55790

Insert mount mm	Setting range Nm	Setting range ft.lb	Length mm	Weight kg	55790	...
9 x 12	4-40	4-30	201	0.427		101
9 x 12	20-100	15-74	318	0.634		102
14 x 18	40-200	30-147	457	0.948		103
14 x 18	60-300	40-220	609	1.210		104

51760

## Production Indicating Torque Wrenches

9x12 14x18



## Type

- DIN EN ISO 6789:2003 (D)
- Robust
- With micrometre scale
- **Clockwise and counter clockwise operation**
- Torque setting by turning the handle.
- Value (Nm) can be read off on the scale.
- No self-adjustment
- **Visual, acoustic and tactile signal** when the preset torque is reached
- With plastic handle, oil and petrol-resistant.
- **Tool connection: plug connection**
- Release accuracy in operating direction +/- -2% of scale value

## Use

For mounting insert tools. Suitable for mechanical engineering, ship building and fitting.

## 51760 206

## Type

- 2-component handle for improved haptics
- Simplified catch to set the torque value
- Viewing window for visual inspection of the lock
- With 3 additional coloured coding rings for marking for personalizing or for special workflows.



51760 200-201



51760 202-205



51760 206

Insert mount mm	Setting range Nm	Length mm	Weight kg	Signal button	Type	51760	...
9 x 12	2 - 10	180	0.32	-	-		201
9 x 12	2 - 40	240	0.32	-	-		200 <b>NEW</b>
9 x 12	5 - 60	305	0.45	x	Safe-Box		202
9 x 12	20 - 120	388	1.27	x	Safe-Box		203
14 x 18	40 - 200	510	1.07	x	Safe-Box		204
14 x 18	60 - 320	620	1.27	x	Safe-Box		205
14 x 18	100 - 400	715	2.71	-	Safe-Box	#	206

55800

## Torque wrenches

9x12

**SALTUS**  
SOLINGEN - GERMANY  
DC

## Type

- With fixed adjustable value
- Setting and securing the torque only with setting wrench
- Repeat accuracy after 50.000 tightenings +/- 4%
- DIN EN ISO 6789
- Without setting scale
- No self-adjustment

- Acoustic and tactile signal when the preset torque is reached
- **Only for clockwise operation**
- Loosening of screw connections without torque function
- With plastic handle
- **Tool connection: plug connection**

## Use

For mounting insert tools.  
For repetitive application.



55800 101-103

55800 105



Insert mount mm	Setting range Nm	Length mm	Weight kg	55800	...
9 x 12	2 - 25	178	0.280		101
9 x 12	5 - 50	240	0.400		102
9 x 12	15 - 85	310	0.510		103
Setting wrench	-	-	0.169		105

55820

## Torque wrenches

9x12 14x18



Service MANOSKOP® 730

## Type

- Releasing torque wrench
- Double stop signal
- Quick adjustment
- Long-term accuracy
- The robust steel tube housing protects all sensitive parts
- The measuring function is out of order when the tool is misused, e.g. when trying to loosen seized screws.
- **Tool connection: plug connection**

- **Clockwise and counter clockwise operation**
- Easily adjustable without disassembly, for example, with test equipment from cat.-no. 51795 et seq.
- **Display deviation +/- 4%**
- With test certificate.

## Use

For mounting insert tools.

## 55820 103-107

## Type

Additionally with QuickRelease safety lock and double scale Nm/ft.lb.



55820 101-102



55820 103-107



Insert mount mm	Setting range Nm	Setting range ft.lb	Stepped scale Nm	Stepped scale ft.lb	Length mm	Weight kg	55820	...
9 x 12	4-20	-	0.5	-	178.5	0.315		101
9 x 12	8-40	-	1	-	222	0.395		102
9 x 12	6-50	5-36	2	1	315	0.805		103
9 x 12	20-100	15-72.5	2.5	2.5	370	1.020		104
14 x 18	25-130	20-95	2.5	2.5	410	1.100		105
14 x 18	40-200	30-145	5	5	455	1.250		106
14 x 18	80-400	60-300	10	10	590	1.655		107





# With the mechanic torque wrench No 730N

**Quick, precise, and safe operation thanks to innovative design. The advancement from the successful torque wrench 730 to model 730N is the consequential result of the development of a successful product, which now provides the user with even more advantages.**

The setting mechanism of the 730N is based on a wholly new concept. The main part of this technology is the new **QuickSelect quick adjustment**. The adjustment button at the end of the handle allows for a quick and precise setting of the desired torque value. Pull out the button and turn it in order to set the desired torque value. During the setting process is

the easily readable double scale constantly in view. It has different colours for values in N.m, ft.lb, and in.lb. Adjacent to the adjustment button is the scale division, which is used for the fine adjustment of the respective measuring range. Once the desired value is set, push the button into the locked position to prevent unintentional alteration of the setting.

**At a glance:**

- Very quick, precise
- One-hand setting
- Set value lock
- Very easily readable
- 2-coloured double scale N.m and ft.lb
- Double stop signal
- For clockwise and counterclockwise operation
- Square mount with QuickRelease safety lock
- the measuring element is only

- under load while force is being applied.
- Easy re-adjusting without disassembly
- All the sensitive components and the robust mechanics are protected from dirt by the sturdy housing
- 2-component handle, resistant to various aggressive fluids
- Display deviation +/- 3%
- Fulfils DIN EN ISO 6789
- Retractable to national reference

Hand Tools



**A zero-setting is not required**  
Thanks to the proven and wear-free cut-out system with switching edge



730N/10  
STAHLOWILLE  
20-100 N.m / 15-75 ft.lb



**QR QuickRelease safety lock**  
Secure locking in place and quick exchange of the insert tools with the QuickRelease safety lock.

**Easy adjustment**  
The measurement instrument can easily be adjusted from the outside through the openings in the identification plate using an Allen key. The torque wrench does not have to be disassembled laboriously.

**Easy-to-read double scale**  
The fine adjustment can be clearly attributed thanks to the different colours for N.m and ft.lb.





**Variable mount**  
The square mount enables the user to use various socket accessories, depending on the project. STAHLOWILLE offers a vast range of suitable insert tools for all kinds of applications.



**Scale division**  
Fine adjustment for the measuring range of the double scale marked in black



**QuickSelect -quick adjustment**  
Quick, precise, and secure adjustment: pull the adjustment button, set the desired value by turning it, and lock the value by pushing the button back in. That's all!

55858

Torque wrench

9x12 14x18 QR



**MANOSKOP® 730N for service applications**  
Type

Fast, precise setting thanks to QuickSelect quick adjustment, with quick release safety lock, double stop signal, very easily readable double scale with colour distinction of Nm/ft.lb and long-term accuracy.

55858



Insert mount mm	Measuring range Nm	1 scale division Nm	Length mm	Weight kg	55858	...
9 x 12	2 - 20	0.20	275	0.740		100
9 x 12	10 - 50	0.25	330	0.825		101
9 x 12	20 - 100	0.50	386	0.980		102
14 x 18	25 - 130	0.50	421	1.120		103
14 x 18	40 - 200	1.00	467	1.260		104
14 x 18	80 - 400	2.00	607	1.660		105
14 x 18	130 - 650	2.50	890	3.300		106

Zero-setting not required, because the measuring element is only loaded during the tightening process. Robust housing, 2-component handle with soft zones, resistant against oils, fats, fuels, brake fluid and Skydrol. The measuring function is out of order when the tool is misused, e.g. when trying to loosen seized screws. **Repluggable socket tools allow counterclockwise operation.** Guaranteed accuracy: **Display deviation +/- 3%.** With test certificate.

**Use**  
For mounting insert tools.





**Type**

- Classified in compliance with DIN EN ISO 6789:2003 Type II Class A, with a traceable factory certificate
- Calibrated to a permitted deviation of +/- 3% and better. The specification of the standard (+/- 4%) is exceeded for your safety
- **For controlled clockwise and counterclockwise operation**
- Sturdy, satin chrome-plated tubular steel construction, with chrome-plated square mount and high-quality plastic parts
- Ergonomically shaped 2-component plastic handle with calibration aid
- Change-over between main N.m scale and lbf.ft ancillary scale to avoid reading errors when setting the desired torque
- With micrometre scale for N.m main scale for setting interim value
- Release system triggers a tactile and audible signal
- Ergonomic system for torque adjustment with reference symbol
- Quick-adjust option using key wrench, not supplied
- Secured adjusting/setting system

- Factory calibration depth gauge: 17.5 mm (9x12 mm) and 25 mm (14x18 mm)
- Operation only with plug-in tools with standardised depth gauges. Otherwise inaccuracies can arise
- Patent pending

**Use**

Depending on the application, access is possible from the front (e.g. open-end fitting) or side (e.g. reversible ratchet and socket). Controlled screw tightening in the most common range of 20 - 400 N.m / 15 - 300 lbf.ft (guideline for screws M7-M10.9 to M20-6.9). Adjustable, releasing and sturdy tubular torque wrench with rectangular cavity for industry and the trades.

**55830  
Torque wrench, single**



55830

**55825**

**Torque wrench sets**

**Type**

- The DREMASTER SE is a practical tool set
- Most commonly used GEDORE quality tools in a solid sheet-metal case
- Clearly organised - everything always ready to hand
- With foam-material inlay modules (on request, these can be customised or extended individually)



55825

**Set contents**

- Cat.-no. 55825 203:**
- 1 Torque wrench 9 x 12 mm (cat.-no. 55830 103)
  - 3 Insert open-end wrenches AF 13 / 17 / 19 mm
  - 3 Insert ring wrenches AF 13 / 17 / 19 mm
  - 1 Insert ratchet 1/2 inch
- Cat.-no. 55825 204:**
- 1 Torque wrench 9 x 12 mm (cat.-no. 55830 104)
  - 3 Insert open-end wrenches AF 13 / 17 / 19 mm
  - 3 Insert ring wrenches AF 13 / 17 / 19 mm
  - 1 Insert ratchet 1/2 inch
- Cat.-no. 55825 205:**
- 1 Torque wrench 14 x 18 mm (cat.-no. 55830 105)
  - 3 Insert open-end wrenches AF 17 / 19 / 24 mm
  - 3 Insert ring wrenches AF 17 / 19 / 24 mm
  - 1 Insert ratchet 1/2 inch

**Set contents**

- Cat.-no. 55825 206:**
- 1 Torque wrench 14 x 18 mm (cat.-no. 55830 106)
  - 3 Insert open-end wrenches AF 24 / 30 / 32 mm
  - 4 Insert ring wrenches AF 24 / 30 / 32 36 mm
  - 1 Insert ratchet 1/2 inch
- Cat.-no. 55825 207:**
- 1 Torque wrench 14 x 18 mm (cat.-no. 55830 107)
  - 3 Insert open-end wrenches AF 24 / 30 / 32 mm
  - 4 Insert ring wrenches AF 24 / 30 / 32 36 mm
  - 1 Insert ratchet 1/2 inch

Insert mount mm	Setting range N.m	Setting range lbf.ft	Stepped scale N.m	Length mm	Set		Single	
					55825	...	55830	...
9 x 12	2 - 25	1.5 - 18	1	285.0				101
9 x 12	5 - 50	4 - 37	2.5	325.0				102
9 x 12	20 - 100	15 - 75	5	398.5	#	203		103
9 x 12	30 - 150	22 - 110	10	498.5	#	204	#	104
14 x 18	40 - 200	30 - 150	10	499.5	#	205		105
14 x 18	60 - 300	45 - 220	10	590.5	#	206		106
14 x 18	80 - 400	60 - 300	10	677.5	#	207		107

# HAZET-Competence for calibration of torque and rotation angles



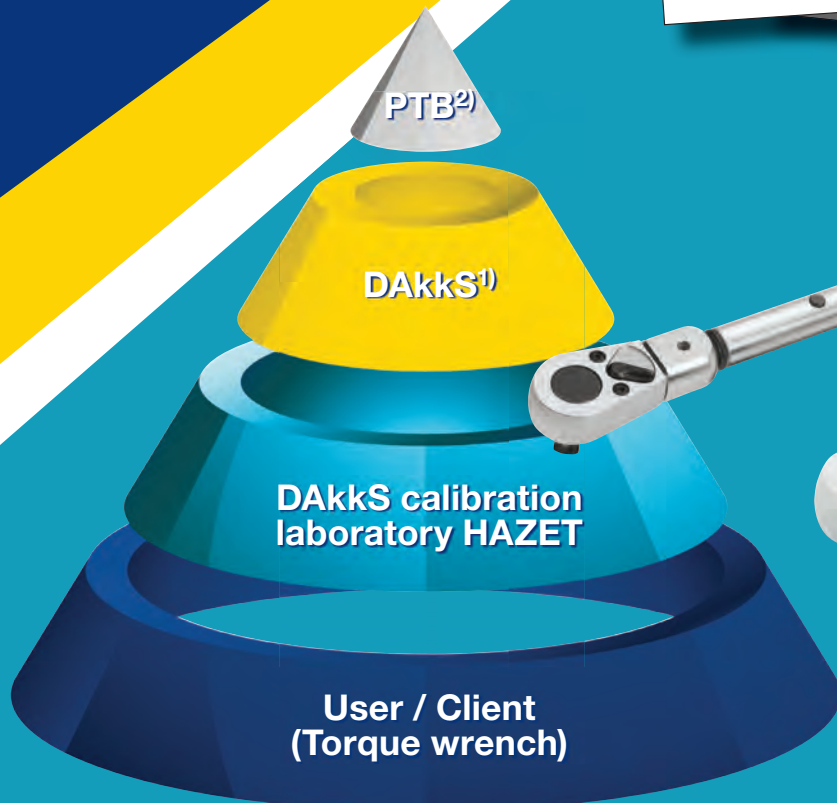
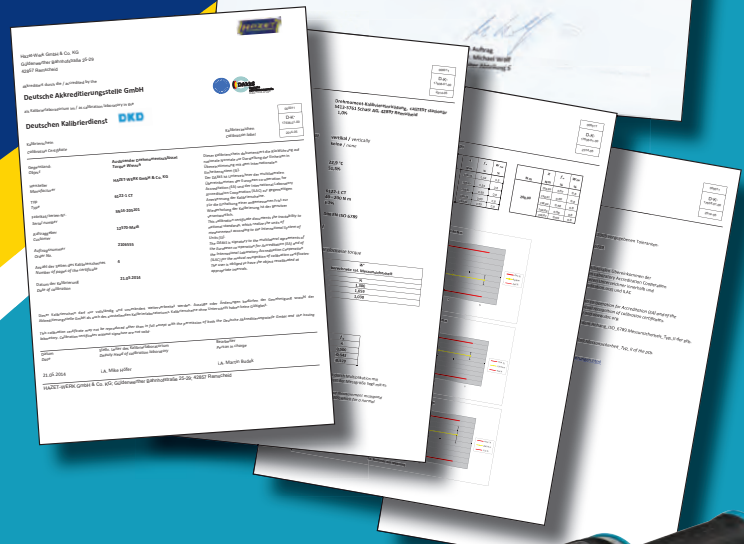
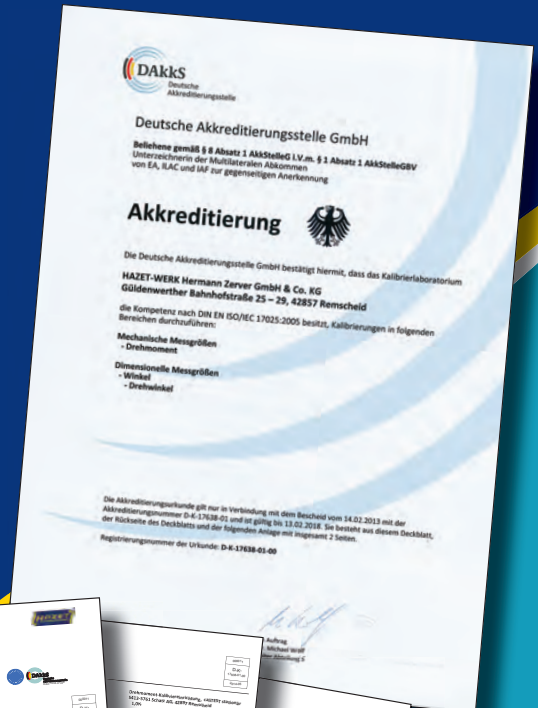
✓ Accredited according to  
DIN EN ISO/IEC 17025  
for measured values:

- **Torque** (DIN EN ISO 6789)
- **Rotation angle** (VDI/VDE 2648 page 2;  
without item 4.2)

✓ Complies with special demands of  
ISO/TS 16949  
for calibration laboratories  
(mandatory requirement for all  
suppliers of the automotive industry)

✓ HAZET-owned calibration  
laboratory guarantees optimal  
technical calibration  
competence by accreditation

✓ Authorised to issue calibration  
certificates



Deutsche  
Akkreditierungsstelle  
D-K-17638-01-00

¹) DAkkS: Deutsche Akkreditierungsstelle GmbH  
(National accreditation body for the  
Federal Republic of Germany, Berlin)

²) PTB: Physikalisch Technische Bundesanstalt  
(PTB is the national metrology institute providing  
scientific and technical services)



55839

## Electromechanical torque wrenches

9x12

14x18



## Service/repetitive application MANOSKOP® 730D Type

- The electro-mechanical torque wrench combines the functions of **displaying** and **releasing** in one device
- Both operating modes can be selected independently of each other
- Mount for interchangeable plug-in tools
- QuickRelease safety lock
- Quick adjustment by means of convenient keyboard and large display
- Audible and tactile release signal
- Different tolerance limits can be set in accordance to necessity
- Optical assessment of the tightening process by means of green and red indication on the display
- Display function even for counterclockwise torques
- 7500 pieces of screw data can be stored, exported using a USB interface and evaluated on a PC
- Automatic achievement of the correct tightening torque after input of the deflection dimensions

- Overload protection due to acoustic and visual warning signal
- Unintentional adjustment is prevented by means of an automatic key lock
- Additional securing of the preset values (mode, cut-out and/or target value, unit, tolerance value, saving, deflection dimension) by means of PIN code
- The robust housing protects all sensitive parts
- The 2-component handle with ergonomic, green soft zone is resistant to oils, fats, fuels, brake fluid and Skydrol
- 2 Mignon batteries 1.5 V included in delivery
- Mignon NiMH rechargeable batteries AA/LR6, 1.2 V or mignon rechargeable batteries AA/LR6 RAM, 1.5 V can be used
- Automatic notice for the next calibration due date
- Simple to calibrate using test equipment, cat. no. 51795 ff.

- If necessary, readjustment possible without disassembling
- In sturdy plastic case (cat.-no. 55839 103-104 in sheet steel case)
- Measurement units: Nm, ft.lb, in.lb.
- Display deviation +/- 2%
- With test certificate.
- Patent pending

## Use

For mounting insert tools.

## Note:

USB adapter, phone jack cable, and software see cat.-no. 55848 102.

Rotational angle module available on request.

55839



Socket mm	Measuring range Nm	Measuring range ft.lb	Measuring range in.lb	Setting resolution Nm / ft.lb / in.lb	Display resolution Nm / ft.lb / in.lb	Length mm	Weight kg	55839	...
9 x 12	10 - 100	7.4 - 75	90 - 900	0.2 / 0.2 / 2.0	0.1 / 0.1 / 1.0	467	1.15	#	101
14 x 18	20 - 200	15 - 150	180 - 1800	0.5 / 0.5 / 5.0	0.1 / 0.1 / 1.0	548	1.43	#	102
14 x 18	40 - 400	30 - 300	360 - 3600	1.0 / 1.0 / 10.0	0.1 / 0.1 / 1.0	688	1.83	#	103
14 x 18	65 - 650	48 - 480	580 - 5800	1.0 / 1.0 / 10.0	0.1 / 0.1 / 1.0	870	3.30	#	104

55841

## Electronic angle-controlled torque wrenches

9x12

14x18

3/8"

1/2"

3/4"



## Sensotork 713

## Type

- Plug-in reversible ratchet
- QuickRelease safety lock
- **For clockwise and counterclockwise operation**
- Adjustable advance warning time of optical, tactile and acoustic signals
- Torque and rotational angle are simultaneously visible
- **Convenient rotational angle measurement without reference arm**
- Easy and flexible operation by menu guidance on a large display

- Especially large measuring range (5% to 100% of the nominal value) in a display deviation of +/- 1% of the respective measured value
- Display deviation of the rotational angle +/- 1%
- Recurring screwing operations can be combined into a menu-guided schedule
- Complies with DKD-R 3-7, class 2 and DIN EN ISO 6789
- With certificate of compliance in accordance with DIN EN 10204

- Delivered in plastic case (cat.-no. 55841 103 in sheet steel case).

## Note:

USB adapter, phone jack cable and software, see cat. no. 55848 101.

55841



Insert mount mm	Square drive inch	Setting range Nm	Setting range ft. lb	Length mm	Weight kg	55841	...
9 x 12	3/8	3 - 60	2.5 - 44	378	0.856	#	101
14 x 18	1/2	10 - 200	7 - 148	608	1.552	#	102
14 x 18	3/4	20 - 400	15 - 296	838	2.332	#	103

55848

## USB adapter, phone jack cable and software



## 55848 101

## Use

For statistical torque analysis and test series evaluation with a PC.

For electronic torque wrench Sensotork 713, cat.-no. 55841.

## 55848 102

## Use

For documentation and management of measured values with a PC.

For electromechanical torque wrench MANOSKOP® 730D, cat. no. 55839.

55848



Use for cat.-no.	Length m	Weight g	55848	...
55841	1.5	100	#	101
55839	1.5	100	#	102



## Torque wrenches

55840

### Electronic torque wrenches

9x12 14x18 1/4" 3/8" 1/2"



#### Type

2 scroll buttons for quick and easy operation, torque range in Nm, lbf.ft and lbf.in programmable. Tolerance in 2° programmable. 3 signals are given when the preset maximum torque value is reached: optical, audible and vibration of the handle.

#### Clockwise and counterclockwise operation.

Power-Save, dust-protected, water-proof. Data and target value are saved during battery change.

Housing made of stainless steel with impact-resistant, unbreakable display. Handle made of non-slip glass-fibre reinforced nylon, with Santopren soft handle. Reversible insert ratchet head and 3 AA batteries included.

#### Use

For mounting insert tools.

55840 103-104 and 107-108

#### Type

**Additionally:** Storage capacity of up to 1.000 measurements. Storage of tightening job number, measurement instrument and memory recall of stored data in accordance with tightening job number. PC software in MS Excel format, RS 232 interface, cable.

55840



Insert mount mm	Connection square inch	Setting range Nm	Interface RS 232	Length mm	55840	...
9 x 12	1/4	3 - 30	-	405		101
9 x 12	3/8	7 - 135	-	450		102
9 x 12	1/4	3 - 30	x	405	#	103
9 x 12	3/8	7 - 135	x	450	#	104
14 x 18	1/2	20 - 200	-	535	#	105
14 x 18	1/2	34 - 340	-	650	#	106
14 x 18	1/2	20 - 200	x	535	#	107
14 x 18	1/2	34 - 340	x	650	#	108

55842

### Electronic angle-controlled torque wrenches

9x12 14x18 3/8" 1/2"



#### Type

The IZO-DAG torque tightening angle wrench allows for a taking into account of the angle factor for the torque setting, e. g. 75 Nm + 90°. This torque wrench combines accuracy and the ease of working with a modern electronic torque tool with a tactile signal when the set torque is reached. It is a precise and modern alternative to standard mechanical torque wrenches. Feel the feedback - FEELBACK. Thanks to the intensive tactile signal, your hand will recognise the correct measured value at once. You can rely on your feelings.

Housing made of stainless steel with impact-resistant, unbreakable display.

Handle made of non-slip glass-fibre reinforced nylon, with Santopren soft handle.

Measuring ranges can be programmed: Nm, lbf.ft., lbf.in. 2 scroll keys for quick and easy handling, no unintentional readjusting of the measuring range. Programming the torque with 2% tolerance. Error tolerance 2%.

Quick exchange of battery.

Power-Save mode. Dust and splash waterproof. Display of low battery status. Automatic zero point check at switch-on. Data and target value are saved during battery change.

Reversible insert ratchet head and 3 AA batteries included.

#### Use

For mounting insert tools.

55842 201



55842 202



Insert mount mm	Connection square inch	Setting range Nm	Setting range lbf.ft.	Setting range lbf.in.	Angle degrees	Length mm	Weight kg	55842	...
9 x 12	3/8	7 - 135	5.16 - 99.57	62 - 1195	5 - 360	450	1.000	#	201
14 x 18	1/2	34 - 340	25.07 - 250.80	301 - 3009	5 - 360	650	1.525	#	202

55843

### Electronic angle-controlled torque wrenches TorcoTronic III

9x12 14x18 1/2"



#### Type

- Microprocessor-controlled, electronic torque wrench

#### - For controlled clockwise and counterclockwise operation

- According to DIN EN ISO 6789, traceable to national reference.

- Sturdy workshop design

- Broad measuring range in N.m, can be switched to lbf.ft

- With 1/2 inch reversible ratchet, by changing the ratchet, there is an option to work with a 9x12 mm (cat.-no. 55843 201) and 14x18 mm (cat.-no. 55843 202) square socket

#### Features:

- Torque measurement

- Torque and rotational angle measurement

- 5 different measuring modes

- 5 screwing parameters can be saved

- USB interface for data exchange

- Memory for up to 2.000 values

- Measuring accuracy of torque +/- 1 %, +/- 1 digit

- Measuring accuracy rotation angle +/- 1 %, but at least +/- 1° of 360° at a min. of 4°/sec

- Different depth gauges for end fittings programmable

- Simple to operate with easy to understand icon-menu navigation and 4 functional keys

- Clearly readable, illuminated LCD display

- Resolution torque: 0.1 N.m

- Resolution rotation 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 SÜD certified, CE and RoHS

- Test certificate to

DIN EN ISO 6789:2003 Type I Class

- Calibration to DAkkS DKD-R 3-7, Class 1 (on request)

#### Scope of supply:

- Electronic torque wrench TorcoTronic III HighLine

- Plug-in reversible ratchet 1/2 inch

- USB cable

- Software on CD-R

- Test certificate to DIN EN ISO 6789:2003 Type I Class C

- Delivered in a transparent plastic box with insert

#### Use

For everyday requirements during assembly or torque control. Can be used in all production and development areas.

55843



#### Note:

In order to use the full functionality, a PC with Windows® operating system (from Windows XP®) is required.

Insert mount mm	Connection square inch	Setting range N.m	Setting range lbf.ft	55843	...
9 x 12	1/2	10 - 120	7.4 - 88.5	#	201
14 x 18	1/2	70 - 350	51.6 - 258.2	#	202

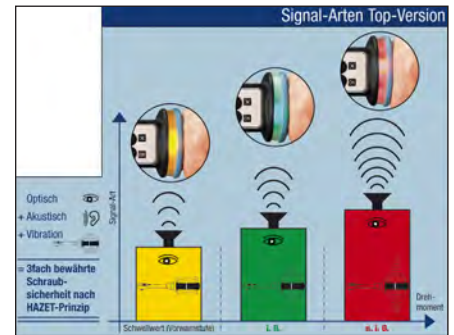


## Type

- **Measuring accuracy:** +/- 1% / +/- 1 digit (and +/- 1°) in clockwise and counterclockwise direction
- Torque and angle-controlled torque wrenches with highest precision
- Ergonomic, user-oriented design of the overall tool for professional use
- 2-component handle made of fibreglass-reinforced, impact-proof plastic and soft grip elements
- 3-fold signaling screwing process thanks to acoustic signal (buzzer), vibration and all around, from any position, 360° visible LED display with traffic light function
- Large, easy to read display, 180° rotatable
- Measured value display in 13 mm font size, including a OK/ not OK Screw application evaluation
- Simple, clearly structured menu guidance in readable plain text in font size 5 mm in German and English
- Safety power on and off function (2 buttons) and automatic, **time-dependent settable** and energy-saving standby function
- Settable torque units: Nm and lbf.ft, **lbf.in, Kgf.m**
- Large rotation angle range (accumulating) up to 999 degrees
- Menu lock function to prevent unauthorized adjustment of the preset values with selectable four-digit code

- Battery and memory display
- Extremely long service life thanks to 4 commercially available mignon batteries (AA - 1.5 V) and rechargeable batteries
- **Adjustable signaling:** Acoustic signal (buzzer) On/Off and Vibration On/Off
- Changeable threshold (early warning stage)
- Switchable backlight for the display
- Storage capacity of up to **2000 measurements** incl. date and time
- Parameter sets and work schedules can be programmed
- Control function: Programmable rotational angle control with torque tightening and torque control during rotational angle tightening
- Optional programming and evaluation software for storage data with access via mini USB port (available upon request for a surcharge)
- Option to send screw data via radio, Wi-Fi or Bluetooth (available upon request for a surcharge)
- Supplied with detailed operating instructions and certificates in an aluminium frame case with foam insert. **Including HAZET plug-in reversible ratchet**
- Effective length for other plug-in tools can be adjusted/programmed (prerequisite for correct torque/rotational angle measurements)

9x12 14x18 3/8" 1/2" 3/4"



- Release accuracy according to ISO 6789 - DIN EN ISO 6789 - NF EN ISO 6789
- Made In Germany



Insert mount mm	Connection square inch	Setting range Nm	Length mm	Weight kg	55845	...
9 x 12	3/8	10 - 100	380.5	0.78	#	101
14 x 18	1/2	20 - 200	518.0	0.98	#	102
14 x 18	3/4	40 - 400	942.5	2.30	#	103



## Manoskop 714

## Type

- 4 measuring modes (torque, rotational angle, torque with rotational angle reference value, rotational angle with torque reference value)
- High-resolution graphic display with additional side signal lights
- Freely configurable menu structure
- Optional: Li-ionen battery no. 7195-2 and charger no. 7160
- 3 operating modes: releasing, peak (operation shown with peak display) and track (operation shown with torque value display)
- Micro-USB 2.0 interface
- Bayonet closure for battery compartment
- QuickRelease safety lock - changing system for plug-in tools
- Allows angle measurement without a reference arm
- Data storage (up to 2500 screw driving processes)
- Programmable in up to 200 screw applications in maximum 25 work schedules
- Different tolerance limits can be set in accordance to necessity
- Acoustic and visual evaluation of the screw application
- Quick and precisely setting with a keypad
- No unintentional adjustment thanks to automatic keylock

- Overload protection due to acoustic and visual warning signal as well as mandatory release (clockwise)
- Automatic notice for the next calibration due date based on time and/or no. of times loaded
- Fully automatic calibration and adjustment with the perfect Control calibration and adjustment direction no. 7794-5 (torque) or no. 7794-3 (torque and rotational angle)
- Units of measurement: Nm, ft.lb, in.lb
- Automatically correct tightening torque after input of the deflection dimensions
- Immediately ready for use again on release
- Clockwise and counterclockwise operation - for counterclockwise operations in operating mode, releasing means the plug-in tool must be rotated through 180°
- Tactile, visual and acoustic release signal
- Torque and rotational angle simultaneously visible
- Measurement independent of the force application point (end no. 101 - 103)
- Secure handling thanks to ergonomically shaped handle (resistant against oils, fats, fuels, brake fluid and Skydrol)

9x12 14x18

1/4" 3/8" 1/2" 3/4"

- In sturdy plastic case (end no. 107 in sheet steel case)
- With 2 certificates (torque, rotational angle)
- Design patent, patent pending
- Delivered with software Sensomaster, USB cable, 4 micro batteries AAA/LR03, 1.5 V
- Micro-NiMH rechargeable batteries AAA, 1.2 V can be used
- Display resolution of rotational angle 0.1°
- Display deviation of rotational angle +/- 1%, +/- 1% digit.
- Display resolution of torque up to 40 Nm: 0.01 Nm above 40 Nm: 0.1 Nm
- Display deviation of torque +/- 2%, +/- 1% digit



Insert mount mm	Square drive Inch	Setting range Nm	Setting range ft. lb	Length mm	Weight kg	55846	...
9 x 12	1/4	1 - 10	0.7 - 7.5	226	0.432	#	101
9 x 12	1/4	2 - 20	1.5 - 15	226	0.442	#	102
9 x 12	1/4	4 - 40	3 - 30	252	0.482	#	103
9 x 12	3/8	6 - 60	4.5 - 45	393	0.965	#	104
9 x 12	1/2	10 - 100	7.5 - 75	466	1.232	#	105
14 x 18	1/2	20 - 200	15 - 150	547	1.663	#	106
14 x 18	3/4	40 - 400	30 - 300	687	2.275	#	107



# SYSTEM 7000 eTAC

Redefined digital precision and handling



## DIGITAL SAFETY

PRECISE ROTATION ANGLE  $\pm 1\%$ ,  $\pm 1^\circ$

PRECISE TORQUE  $\pm 1\%$ ,  $\pm 1$  DIGIT

Choice of torque units Nm / lbf ft / lbf in / kgf m

10 - 400 Nm

AUDIBLE SIGNAL

360° LED SIGNAL

VIBRATION

Hommel Hercules  
Werkzeughandel



Two strong  
partners



51785

Open-ended insert heads

9x12 14x18

Type  
Chrome-plated.



51785

AF mm	Insert mount mm	51785	...
7	9 x 12	101	
8	9 x 12	102	
10	9 x 12	104	
11	9 x 12	105	
13	9 x 12	107	
14	9 x 12	108	
15	9 x 12	109	
16	9 x 12	110	

AF mm	Insert mount mm	51785	...
17	9 x 12	111	
18	9 x 12	112	
19	9 x 12	113	
13	14 x 18	114	
14	14 x 18	115	
15	14 x 18	# 116	
16	14 x 18	117	
17	14 x 18	118	

AF mm	Insert mount mm	51785	...
18	14 x 18	119	
19	14 x 18	120	
21	14 x 18	121	
22	14 x 18	122	
24	14 x 18	123	
27	14 x 18	124	
30	14 x 18	125	
32	14 x 18	126	

51787

Double hexagon ring insert tools

9x12 14x18 

Type  
Chrome-plated.

Note:  
Open ring wrench insert tools available on request.



51787

AF mm	Insert mount mm	51787	...
7	9 x 12	# 101	
8	9 x 12	102	
10	9 x 12	103	
11	9 x 12	# 104	
13	9 x 12	106	
14	9 x 12	107	
15	9 x 12	108	
16	9 x 12	109	
17	9 x 12	110	
18	9 x 12	111	

AF mm	Insert mount mm	51787	...
19	9 x 12	112	
21	9 x 12	# 113	
22	9 x 12	114	
13	14 x 18	115	
14	14 x 18	116	
15	14 x 18	# 117	
16	14 x 18	118	
17	14 x 18	119	
18	14 x 18	120	
19	14 x 18	121	

AF mm	Insert mount mm	51787	...
21	14 x 18	122	
22	14 x 18	123	
24	14 x 18	124	
27	14 x 18	125	
30	14 x 18	126	
32	14 x 18	127	
34	14 x 18	# 128	
36	14 x 18	129	
41	14 x 18	130	

55915

Torx®-insert tools

9x12 14x18 

Type  
Chrome-plated.



55915

Size E	Insert mount mm	55915	...
6	9 x 12	# 101	
8	9 x 12	# 102	
10	9 x 12	# 103	

Size E	Insert mount mm	55915	...
12	9 x 12	# 104	
14	9 x 12	# 105	
14	14 x 18	# 106	

Size E	Insert mount mm	55915	...
18	14 x 18	# 107	
20	14 x 18	# 108	
24	14 x 18	# 109	

55920

Square insert tools

9x12 14x18 1/4" 3/8" 1/2" 3/4"

Type  
Chrome-plated.

Connection square inch	Insert mount mm	55920	...
1/4	9 x 12	101	
3/8	9 x 12	102	
1/2	9 x 12	103	
1/2	14 x 18	104	
3/4	14 x 18	105	



55920

51791

Insert reversible ratchets

9x12 14x18 1/4" 3/8" 1/2"



**Type**  
Chrome-plated, drop-forged. Reverse lever with safety lock and quick-release button.

51791

Connection square inch	Insert mount mm	Number of teeth	51791	...
1/4	9 x 12	20		101
3/8	9 x 12	30		102
1/2	9 x 12	32		103
1/2	14 x 18	32		104



55925

Insert reversible ratchets

9x12 14x18 1/4" 3/8" 1/2" QR



**Type**  
Reversible, with QuickRelease safety lock.

**Note:**  
The maximum permanent load of the ratchet insert tools is limited (see table). It must not be exceeded when using large torque wrenches.

55925

Connection square inch	Insert mount mm	Number of teeth	Maximum permanent load Nm	55925	...
1/4	9 x 12	22	40		101
3/8	9 x 12	30	100		102
1/2	9 x 12	30	100		103
1/2	14 x 18	36	250		104



55930

Insert reversible ratchets

9x12 14x18 3/8" 1/2" 3/4"



**Type**  
Chrome-plated.

55930

Connection square inch	Insert mount mm	Number of teeth	55930	...
3/8	9 x 12	60		102
1/2	9 x 12	60		103
1/2	14 x 18	60		104
3/4	14 x 18	60		105



55935 - 55936

Insert reversible ratchets

9x12 14x18 1/4" 3/8" 1/2"



**Type**  
Black. Reversible, with safety connection.

55935

55936

Connection square inch	Insert mount mm	55935	...	55936	...
1/4	9 x 12		101		
3/8	9 x 12		102		
1/2	9 x 12		103		
1/2	14 x 18				101



51793

Insert fine-tooth ratchets

9x12 14x18 3/8" 1/2" 3/4"



**Type**  
Chrome-plated, for clockwise and counter-clockwise operation, fine-toothing, 72 teeth.

**Quality**  
Chrome-vanadium steel.

51793

Connection square inch	Insert mount mm	Number of teeth	Length approx. mm	51793	...
3/8	9 x 12	72	58.5		101
1/2	9 x 12	72	58.5		102
1/2	14 x 18	72	70.5		103
3/4	14 x 18	72	101.0		104



55938

## Insert adapters

9x12 14x18



**Quality**  
Chrome-vanadium steel.

55938 101

55938 102

**Use**

For increasing and reducing the insert square drive units.



Mount Output mm	Mount Drive mm	55938	...
14 x 18	9 x 12		101
9 x 12	14 x 18		102

55940

## Blank-end insert tool mount

9x12 14x18

**Type**

Burnished.

**Use**

For welding on self-produced tools.

**Note:**

In order to prevent damage caused by high temperatures, the holding pin, spring, and disc will be mounted after the welding process. A manual is included.

55940



Insert mount mm	55940	...
9 x 12		101
14 x 18		102

55960

## Measuring device for lowest torque values

**KANON**

**Type**

Mounting by means of three-jaw lathe chuck.

**Clockwise and counterclockwise operation.**

Overload protection. With drag pointer.

**Accuracy +/- 3%.** Other units: gf.cm, kg.cm.

In case.

**Use**

For inspecting, measuring, and controlling of smallest torque values.  
For horizontal and vertical measurements.  
Also suitable for presetting torque screwdrivers.

55960



Setting range cNm	Display cNm	Mount mm	Weight kg	55960	...
1 - 15	0.2	1 - 8.5	0.6	#	201
2 - 24	0.2	1 - 8.5	0.6	#	202
4 - 36	0.5	1 - 8.5	0.6	#	203
5 - 60	1.0	1 - 8.5	0.6	#	204
10 - 90	2.0	1 - 8.5	0.6	#	205
10 - 150	2.0	1 - 8.5	0.6	#	206

55961

## Electronic testing and setting instruments

1/4" 3/8" 1/2"

**Type**

- In compliance with DIN EN ISO 6789:2003
- Accuracy +/-1%
- 3 usage modes: Updated display (tracking), click point detection (1st peak), peak display (final peak)
- Delivery includes power supply and RS-232C connection cable to PC and printer
- Compatible with test software 7901 E-D
- Large high visibility LED display with 3 LEDs for easily recognizable status display
- Fast mounting with 4 screws to flat surfaces (table, wall, etc.)
- Very easy to operate
- Display in Nm, easily switchable to lbf.ft and lbf.in
- Easy to enter target torque setting with tolerances
- In plastic case with foam insert

55961 100

**Type**

Fixed 1/4 inch hexagonal mount including 1 adapter 1/4 inch inner hexagonal x 1/4 inch inner square and 1 adapter 1/4 inch inner hexagonal x 3/8 inch inner square.

55961 101

**Type**

Fixed 1/2 inch square mount.

55961 102

**Type**

Fixed 27 mm hexagonal mount.

55961 100



55961 101



55961 102



Measuring range Nm	Hexagonal mount Outer inch	Square-mount Inner inch	Hexagonal mount Outer mm	H x Ø mm	Weight kg	55961	...
1 - 25	1/4	1/4 + 3/8	-	97.5 x 160	3.28	#	100
10 - 350	-	1/2	-	97.5 x 160	3.28	#	101
100 - 1000	-	-	27	97.5 x 160 (182)	3.28	#	102



55962

Electronic testing instrument DREMOTEST E

1/4" 3/8" 1/2" 3/4" 



Type

With integrated torsion transducer (DMS) and CE mark. High measuring accuracy: +/- 1% tolerance for all measured values, +/- 1 digit. 1. Peak detection (first peak/click point detection). Auto reset. For N.m and lbf.ft. Serial RS 232 interface. With mains adapter with two-pin plug, operation manual and test certificate.

Use

For checking or setting a right-handed torque wrench. For workshop, industry and quality management thanks to easy handling and robust design.

Note:

Car adapter for power supply with 12 Volt available on request.

55962



Measuring range N.m	Measuring range lbf.ft	Hexagonal mount AF mm	Adapter inch	55962	...
0.9 - 55	0.7 - 40.6	10	1/4 + 3/8	#	201
9 - 320	7 - 236	17	3/8 + 1/2	#	202
90 - 1100	66 - 811	36	1/2 + 3/4	#	203

Hand Tools

55980

Electronic workshop testing instruments

1/4" 3/8" 1/2" 3/4"



Sensotork 7707 W

Type

Compact workshop testing equipment with unproblematic addition of easily interchangeable measuring element (see cat. no. 55983). High accuracy due to flat measuring element and measured value processing and digitalisation directly in the measuring element. High degree of safety thanks to additional display of actually tightened torque when the torque wrenches release.

Consists of:

Measuring element (DBGM), holder, display unit (DBGM), tripod for display (with cable 1.5 m), coiled cord, mains adapter (230 V) or direct connection to 12 V car electrical system possible, square adapter,

mounting kit for horizontal and vertical testing position for clockwise and counterclockwise measurements.

The easily interchangeable measuring elements are attached with a QuickRelease safety lock in the holder. Versatile and easy to use in horizontal or vertical testing position and variable positioning of the display unit with additional tripod with 1.5 m cable for mounting the display device for improved visual tracking during testing of long torque wrenches. Especially large measuring range of approximately 2% to 100% of the nominal value. The measured values can be transferred to a PC using a USB cable. Complies with DIN 51309:2005, class 2 and the Directive DRD-R 3-8:2003. With test certificate. Supplied in plastic case.

55980



Measuring range Nm	Drive inch	Adapter inch	Weight kg	55980	...
0,4 - 20	1/4	-	6,255	#	102
2 - 100	3/8	1/4x3/8	7,025	#	103
25 - 1100	3/4	1/4x3/4 / 3/8x3/4 / 1/2x3/4	7,495	#	104

55983

Measurement Value Recorders for Electronic Testing Instruments

3/8" 3/4"



DBGM

Type

High accuracy thanks to measured value processing and digitalisation directly in the measurement value recorder. Resistant against radial force thanks to very flat design.

55983



Measuring range Nm	Drive inch	Mount Weight kg	55983	...
2 - 100	3/8	2.486	#	202
25 - 1100	3/4	3.100	#	203

Info

Calibration units



An overview for complete calibration units with matching components, see page 55.34.





## 55984

## Accessory for electronic workshop testing equipment



55984 104

**USB adapter, phone jack cable, and software Torkmaster**  
**Use**

Connection between measuring element and PC, for adjusting and calibrating the torque wrenches and for creating the calibration certificates in compliance with DIN EN ISO 6789:2003. Length 1.5 m.

55984 105

**USB adapter + USB cable**  
**Use**

Connection of a maximum of 5 measurement value recorders with a PC, in order to evaluate the data with the PC.

55984 106

**Helix cable**  
**Use**

Connection between measurement value recorder and display unit or USB adapter, with standard phone jack on both sides, offset 90°.

55984 110

**Square adapter**  
**Type**

1/4 inch on the inside x 3/4 inch on the outside (6 x 20).

55984 111

**Square adapter**  
**Type**

3/8 inch on the inside x 3/4 inch on the outside (10 x 20).

55984 112

**Square adapter**  
**Type**

1/2 inch on the inside x 3/4 inch on the outside (12.5 x 20).

55984 104



55984 105

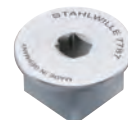


55984 106



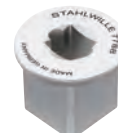
1/4"

55984 110



3/8"

55984 111



1/2"

55984 112



55984 ...

USB adapter cable + software	#	104
USB adapter + USB cable	#	105
Helix cable	#	106
Square-end adapter, 1/4 inch x 3/4 inch	#	110
Square-end adapter, 3/8 inch x 3/4 inch	#	111
Square-end adapter, 1/2 inch x 3/4 inch	#	112

## 55987

## Operating equipment for torque wrench



55987 201

**Mechanical basic unit DBGM**  
**Type**

Measurements without altering the force application point. Thanks to a special force transmission system, an altering of the force application point during calibration is prevented. Driven by a hand wheel, the lever, which is mounted below the slide, is moved linearly. This linear movement is transformed into a turning movement which, in turn, acts upon the measured value recorder. The torque wrench stays in its position during the whole calibration procedure. This prevents measuring errors which are due to the alteration of the force application point.

Thanks to a low-friction ball lining, the mounted torque wrench is automatically aligned horizontally. This reduces the radial forces which acts upon the measured value recorder and reduces measuring errors. Delivery without torque wrench, measuring element, display unit and holder.

**Note:**

Extension see cat.-no. 55987 202.

55987 202

**Extension**  
**Use**

For basic unit (cat.-no. 55987 201) for extending the range up to 1100 Nm.

55987 201



55987 202



Range Nm	for measured value recorder cat.-no.	for torque wrench with length of function (LF) max. mm	Profile width mm	W x H x L mm	Weight kg	55987 ...
0.4 - 400	55983 200-203	815	180	704 x 323 x 1087	26.5	# 201
- 1100	-	1390 (cat.-no. 55987 201+202)	180	308 x 135 x 673	5.4	# 202

## 55989

## Test attachment



**Use**

Can be screwed onto the mechanical operating equipment, cat.-no. 55987. The torque screwdriver is mounted to the square mount of the measured value recorder and fixated with the multi-purpose clamp. The force necessary is transmitted to the torque screwdriver in a controlled way by means of the hand wheel.

55989



Range Nm	W x H x D mm	Weight kg	55989 ...
- 10	250 x 442-593 x 351	3.7	# 101





# Complete calibration systems with matched components



Mechanical base unit



Transducer laboratory



Cable  
No 7751-1



USB adaptor No 7757-1



USB adaptor



PC/Printer - not included  
in the delivery



Calibration systems No	7706-8 PC	7706-9 PC	7706-10 PC	7706-11 PC
<b>Code</b>	<b>96 52 10 68</b>	<b>96 52 10 69</b>	<b>96 52 10 70</b>	<b>96 52 10 74</b>
Weight/kg	14.2	67.6	70.6	108.4
Range/N-m	1-10	2-100	2-1000	20-3000
Mechanical loader	-	No 7791	No 7791	No 7792
Stand alone test attachment for torque screwdrivers	No 7790	-	-	-
Extension unit	-	-	No 7791-1	No 7792-1
Transducer laboratory	No 7728-15 (1-10 N-m)	No 7728-2 (2-20 N-m) No 7728-10 (10-100 N-m)	No 7728-2 (2-20 N-m) No 7728-10 (10-100 N-m) No 7728-40 (40-400 N-m) No 7728-100 (100-1000 N-m)	No 7728-20 (20-200 N-m) No 7728-100 (100-1000 N-m) No 7728-300 (300-3000 N-m)
USB adaptor	No 7757-1	No 7757-1	No 7757-1	No 7757-1
Jack cable	No 7751	No. 7751	No 7751	No 7751
Cable for No 7728 (connection between transducer and USB adaptor)	No 7751-1	No 7751-1	No 7751-1	No 7751-1
Square drive adaptor	No 431 (3/8" $\odot$ x 1/4" $\blacksquare$ )	No 431 (3/8" $\odot$ x 1/4" $\blacksquare$ ) No 409M (1/4" $\odot$ x 3/8" $\blacksquare$ )	No 7787 (1/4" $\odot$ x 3/4" $\blacksquare$ ) No 7788 (3/8" $\odot$ x 3/4" $\blacksquare$ ) No 7789 (1/2" $\odot$ x 3/4" $\blacksquare$ ) No 409M (1/4" $\odot$ x 3/8" $\blacksquare$ )	No 7787 (1/4" $\odot$ x 3/4" $\blacksquare$ ) No 7788 (3/8" $\odot$ x 3/4" $\blacksquare$ ) No 7789 (1/2" $\odot$ x 3/4" $\blacksquare$ ) No 7789-2 (3/4" $\odot$ x 1 1/2" $\blacksquare$ ) No 7789-3 (1" $\odot$ x 1 1/2" $\blacksquare$ ) No 7789-4 (1/4" $\odot$ x 1/2" $\blacksquare$ ) No 7789-5 (3/8" $\odot$ x 1/2" $\blacksquare$ )
Calibrating square drive insert tools	-	No 734K/4 (1/4" $\blacksquare$ ) No 734K/5 (3/8" $\blacksquare$ )	No 734K/4 (1/4" $\blacksquare$ ) No 734K/5 (3/8" $\blacksquare$ ) No 734K/20 (1/2" $\blacksquare$ ) No 734K/40 (3/4" $\blacksquare$ )	No 734K/4 (1/4" $\blacksquare$ ) No 734K/5 (3/8" $\blacksquare$ ) No 734K/20 (1/2" $\blacksquare$ ) No 734K/40 (3/4" $\blacksquare$ )
Adaptors	No 3115 (1/4" $\blacksquare$ x 1/4" $\bullet$ E 6,3) - No 3115/1 (1/4" $\blacksquare$ x 1/4" $\bullet$ C 6,3) -	-	-	-
Calibration software	TORKMASTER 4	TORKMASTER 4	TORKMASTER 4	TORKMASTER 4
DAkkS calibration certificates	1	2	4	3

Hand Tools

