

Garant
Torque wrench base unit without scale without plug-in head, maximum torque: 10N·m

Order data

Order number	657450 10
GTIN	4045197995919
Item class	61E

Description
Version:

One-armed torque wrench without a setting scale. Set the desired torque value using setting tool 657455 size 1 in conjunction with a suitable testing device.

Anti-clockwise tightening by reversing the plug-in head. Without plug-in head (base model); for suitable plug-in heads see No. 657582 – 657950.

Function:

On reaching the set torque value the wrench triggers giving a "signal" (audible and perceptible) and is then immediately ready for use again.

Application:

For controlled screw tightening etc. to specified torques in batch productions.

Standard:

Geprüft nach DIN EN ISO 6789.

Accuracy:

±2% of the set value.

Cutting data:
Legend for drawing and formula:

l_1 = Lever length without plug-in head

l_2 = Adjusted reference dimension on the torque wrench

l_3 = Lever length including factory calibration reference dimension

l_4 = Reference dimension of the plug-in head

L = Total length of the tool

T_1 = Torque to be set

T_2 = Specified torque

Note:

See No. 657582 – 657950 for **suitable plug-in heads**.

Direction of tightening: For right and left-hand tightening

Torque measuring accuracy: ±2 %

Exchangeable tool: Plug-in head
 Calibration: O6
 Calibration: O7
 Overall length L: 139 mm
 Torque range: 2 - 10 N·m
 Weight: 170 g
 Adjusted reference dimension on the torque wrench [I₂]: 19.5 mm
 Socket for plug-in head: 9×12 mm

Technical description

Torque range	2 - 10 N·m
Direction of tightening	For right and left-hand tightening
maximum torque	10 N·m
Socket for plug-in head	9×12 mm
Weight	170 g
Torque measuring accuracy	±2 %
Exchangeable tool	Plug-in head
Adjusted reference dimension on the torque wrench [I ₂]	19.5 mm
Trigger principle	mechanical short-travel release
Connection format	for plug-in heads (rectangular socket)
Setting the trigger value	without setting scale (requires torque analyser)
Standard	DIN EN ISO 6789
Measurement process	Torque
Lever length including factory calibration reference dimension [I ₃]	127.5 mm
Overall length L	139 mm
Reversible reading	Nm
Feedback	triggering
Adjustable trigger value	preset
Lever length without plug-in head [I ₁]	108 mm
Calibration	O6

Calibration	07
Data can be recorded	no
Measurement technology	mechanical
Release signalling	akustisk
Release signalling	haptisk
Type of product	Torque Wrench

Services

DAkkS calibration Torque wrench maximum torque 1000 N·m	018830 1000
Adjustment Torque wrench without scale	018890
Calibration and adjustment Torque wrench without scale maximum torque 400 N·m	018891 400
Labelling laser-etched Type	018940
DAkkS calibration Torque wrench maximum torque 1000 N·m	020020 1000
Calibration and adjustment Torque wrench without scale maximum torque 400 N·m	020090 400
Adjustment Torque wrench without scale Type SET	020080 SET
DAkkS calibration and adjustment Torque wrench without scale maximum torque 1000 N·m	020190 1000

Accessories

Plug-in ratchet Type-Square drive 1-1/4 in	657630 1-1/4
BIT ratchet socket plug-in head Bit-holder 1/4 in	657932 1/4
Plug-in ratchet Type-Square drive 1-1/2 in	657630 1-1/2
Plug-in ratchet reversible with ejector Type-Square drive 1-1/2 in	657582 1-1/2
Square Drive Insert Type-Square drive 1-1/2 in	657698 1-1/2
Plug-in ratchet reversible with ejector Type-Square drive 1-3/8 in	657582 1-3/8

Square Drive Insert Type-Square drive 1-3/8 in	657698 1-3/8
Plug-in ratchet Type-Square drive 1-3/8 in	657630 1-3/8
Square Drive Insert Type-Square drive 1-1/4 in	657698 1-1/4
Plug-in ratchet reversible with ejector Type-Square drive 1-1/4 in	657582 1-1/4
Setting wrench for the torque value Type 1	657455 1