

Garant**Torque wrench base unit without scale without plug-in head, maximum torque: 200N·m****Order data**

Order number	657450 200
GTIN	4045197995957
Item class	61E

Description**Version:**

One-armed torque wrench without a setting scale. Set the desired torque value with setting tool No. 657452 size 1 in conjunction with a suitable test 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 dataa:**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**.

Technical description

Weight	700 g
Torque range	50 - 200 Nm
Socket for plug-in head	14×18 mm
Torque measuring accuracy	±2 %
Direction of tightening	For right and left-hand tightening
maximum torque	200 Nm
Exchangeable tool	Plug-in head
Setting the trigger value	without setting scale (requires torque analyser)
Trigger principle	mechanical short-travel release
Standard	DIN EN ISO 6789
Feedback	triggering
Connection format	for plug-in heads (rectangular socket)
Reversible reading	Nm
Measurement process	Torque
Lever length without plug-in head [l ₁]	337.5 mm
Adjustable trigger value	preset
Adjusted reference dimension on the torque wrench [l ₂]	38.5 mm
Lever length including factory calibration reference dimension [l ₃]	376 mm
Overall length L	410 mm
Calibration	O6
Calibration	O7
Data can be recorded	no
Measurement technology	mechanical
Release signalling	akustisk
Release signalling	haptisk
Type of product	Torque Wrench

Services

DAkKS calibrationTorque wrench maximum torque 1000 N·m	020020 1000
AdjustmentTorque wrench without scale Type SET	020080 SET
Calibration and adjustmentTorque wrench without scale maximum torque 400 N·m	020090 400
DAkKS calibration and adjustmentTorque wrench without scale maximum torque 1000 N·m	020190 1000

Accessories

Square drive plug-in head Type-Square drive 2-3/4 in	657700 2-3/4
Plug-in ratchet Type-Square drive 2-1/2 in	657630 2-1/2
Square drive plug-in head Type-Square drive 2-1/2 in	657700 2-1/2
Setting wrench for the torque value Type 1	657455 1
Plug-in ratchet Type-Square drive 2-3/4 in	657630 2-3/4
Plug-in ratchet reversible Type-Square drive 2-1/2 in	657582 2-1/2