



Torque wrench base unit without plug-in head, maximum torque: 20N·m



Order data

Order number	657277 20
GTIN	4045197542489
Item class	62E

Description

Version:

Robust torque wrench, adjustable with micrometer scale, with protection against accidental changes to the setting.

Basic tool with square plug-in socket (without plug-in head). Suitable spare jaws No. 657582 - 657950.

Units of measure: Nm, lbfft.

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 small to medium series.

Standard:

Geprüft nach DIN EN ISO 6789.

Accuracy:

±3 % of the displayed 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:

The guaranteed measuring accuracy of the torque is achieved only once the torque range has been calibrated to DIN EN ISO 6789.

Technical description

Torque measuring accuracy	±3 %
Exchangeable tool	Plug-in head
Display	analogue
maximum torque	20 Nm
Weight	400 g
Scale graduation, 1 graduation =	0.1 Nm
Direction of tightening	For right and left-hand tightening
Socket for plug-in head	9×12 mm
Torque range	4 - 20 Nm
Lever length without plug-in head [l ₁]	153 mm
Measurement process	Torque
Connection format	for plug-in heads (rectangular socket)
Lever length including factory calibration reference dimension [l ₃]	184.8 mm
Adjusted reference dimension on the torque wrench [l ₂]	31.8 mm
Adjustable trigger value	adjustable
Setting the trigger value	with adjustment scale
Overall length L	215 mm
Feedback	triggering
Trigger principle	mechanical short-travel release
Reversible reading	Nm
Reversible reading	lbfft
Standard	DIN EN ISO 6789
Calibration	O1
Test certificate	Manufacturer's test certificate
Data can be recorded	no
Measurement technology	mechanical
Release signalling	acoustic

Release signalling	haptisk
Type of product	Torque Wrench

Services

CalibrationTorque wrench maximum torque 400 N·m	020010 400
DAkkS calibrationTorque wrench maximum torque 1000 N·m	020020 1000

Accessories

Plug-in ratchet Type-Square drive 1-1/4 in	657630 1-1/4
Plug-in ratchet Type-Square drive 1-3/8 in	657630 1-3/8
Plug-in ratchet reversible Type-Square drive 1-1/2 in	657582 1-1/2
Plug-in ratchet reversible Type-Square drive 1-3/8 in	657582 1-3/8
Plug-in ratchet Type-Square drive 1-1/2 in	657630 1-1/2
Plug-in ratchet reversible Type-Square drive 1-1/4 in	657582 1-1/4