



Torque wrench with plug-in reversible ratchet, Maximum torque: 650 Nm



Order data

Order number	657105 650
GTIN	2050002047242
Item class	63A

Description

Version:

Sturdy compact one-armed torque wrench, adjustable to scale and self-triggering. The accuracy is sustained for many thousands of operations, because high quality material is used for all wearing parts with stressed parts loaded only briefly on each occasion. Body and handle are of sturdy square section. Scales adjustable. **Anti-clockwise tightening by pushing through the drive shank**

With **plug-in reversible ratchet**. **Units of measure:** N·m, lbf·ft.

Function:

Adjustment: Quick adjustment of the torque with the slide setting button. The value is fixed using the locking key in the handle.

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Application:

Since the set torque can be varied, it is ideal for repairs and short series production.

Standard:

Geprüft nach DIN EN ISO 6789.

Note:

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

Direction of tightening: For right and left-hand tightening

Torque measuring accuracy: $\pm 4\%$

Exchangeable tool: Plug-in head

Test certificate: Manufacturer's test certificate

Calibration: O1

Torque range: 130 - 650 Nm

Torque range: 100 - 480 lbf·ft

Scale graduation, 1 graduation =: 20 Nm

Weight: 3480 g

Adjusted reference dimension on the torque wrench [L₂]: 25 mm

Square drive: 3/4 inch

Technical description

Display	analogue
maximum torque	650 Nm
Exchangeable tool	Plug-in head
Square drive	3/4 inch
Scale graduation, 1 graduation =	20 Nm
Direction of tightening	For right and left-hand tightening
Torque measuring accuracy	±4 %
Weight	3480 g
Socket for plug-in head	14×18 mm
Torque range	130 - 650 Nm
Torque range	100 - 480 lbfft
Reversible reading	Nm
Adjusted reference dimension on the torque wrench [I ₂]	25 mm
Standard	DIN EN ISO 6789
Lever length including factory calibration reference dimension [I ₃]	880 mm
Feedback	triggering
Connection format	for plug-in heads (rectangular socket)
Adjustable trigger value	adjustable
Measurement process	Torque
Lever length without plug-in head [I ₁]	855 mm
Setting the trigger value	with adjustment scale
Trigger principle	mechanical short-travel release
Calibration	O1
Test certificate	Manufacturer's test certificate
Data can be recorded	no
Release signalling	akustisk

Release signalling	haptisk
Measurement technology	mechanical
Series	MANOSKOP® 730 Quick
Deflection function	no
Slipper function	no
Quick release/ quick-change function	no
Memory pointer	no
Type of product	Torque Wrench

Services

Labelling laser-etched Type	018940
Calibration Torque wrench maximum torque 1000 Nm	018820 1000
DAkkS calibration Torque wrench maximum torque 1000 Nm	018830 1000

Accessories

Plug-in ratchet reversible with QuickRelease ejector Type-Square drive 2-1/2 inch	657590 2-1/2
Plug-in ratchet Square drive 2-3/4 inch	657620 2-3/4
Plug-in ratchet Square drive 2-1/2 inch	657620 2-1/2
Plug-in ratchet reversible Type-Square drive 2-3/4 inch	657600 2-3/4
Square drive plug-in head Type-Square drive 2-1/2 inch	657700 2-1/2
Square drive plug-in head Type-Square drive 2-3/4 inch	657700 2-3/4
Plug-in ratchet reversible Type-Square drive 2-1/2 inch	657600 2-1/2
Plug-in ratchet reversible Type-Square drive 2-3/4HD inch	657600 2-3/4HD
Plug-in ratchet with ejector Type-Square drive 2-1/2 inch	657580 2-1/2
Spare handle for torque wrenches Type 3	657211 3
Spare handle for torque wrenches Type 4	657211 4
Scale window with magnifying glass for torque wrench Type 2	657212 2

Green slide for torque wrench Type 2	657213 2
Plug-in ratchet Type-Square drive 2-3/4 inch	657630 2-3/4
Plug-in ratchet Type-Square drive 2-1/2 inch	657630 2-1/2
Plug-in ratchet reversible with ejector Type-Square drive 2-1/2 inch	657582 2-1/2