



## Torque wrench without plug-in head, Maximum torque: 650N·m



### Order data

Order number	657215 650
GTIN	4018754268894
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 and the flexible rod is under load only briefly on each occasion. Body and handle are of sturdy square section. Scales adjustable. **Anti-clockwise tightening by reversing the plug-in tools.**

Without any plug-in head (basic model); see No. 657582 – 657950 for suitable plug-in heads.

**Units of measure:** Nm, lbfft.

#### 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.

#### 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	±4 %
maximum torque	650 Nm
Scale graduation, 1 graduation =	20 Nm
Exchangeable tool	Plug-in head
Direction of tightening	For right and left-hand tightening
Display	analogue
Weight	3190 g
Socket for plug-in head	14×18 mm
Torque range	130 - 650 Nm
Torque range	100 - 480 lbfft
Overall length L	875 mm
Lever length without plug-in head [I <sub>1</sub> ]	855 mm
Measurement process	Torque
Standard	DIN EN ISO 6789
Trigger principle	mechanical short-travel release
Reversible reading	Nm
Connection format	for plug-in heads (rectangular socket)
Lever length including factory calibration reference dimension [I <sub>3</sub> ]	880 mm
Adjusted reference dimension on the torque wrench [I <sub>2</sub> ]	25 mm
Adjustable trigger value	adjustable
Setting the trigger value	with adjustment scale
Feedback	triggering
Calibration	O1
Test certificate	Manufacturer's test certificate
Data can be recorded	no
Measurement technology	mechanical

Release signalling	akustisk
Release signalling	haptisk
Series	MANOSKOP® 730 Quick
Type of product	Torque Wrench

## Services

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

## Accessories

Square drive plug-in head Type-Square drive 2-3/4 in	657700 2-3/4
Plug-in ratchet reversible Type-Square drive 2-1/2 in	657582 2-1/2
Plug-in ratchetwith ejector Type-Square drive 2-1/2 in	657580 2-1/2
Plug-in ratchet reversible Type-Square drive 2-3/4 in	657600 2-3/4
Plug-in ratchet Square drive 2-1/2 in	657620 2-1/2
Scale window for torque wrench Type 2	657212 2
Plug-in ratchet reversible Type-Square drive 2-1/2 in	657600 2-1/2
Spare handle for torque wrenches Type 4	657211 4
Plug-in ratchet reversiblewith QuickRelease ejector Type-Square drive 2-1/2 in	657590 2-1/2
Plug-in ratchet Type-Square drive 2-3/4 in	657630 2-3/4
Plug-in ratchet reversible Type-Square drive 2-3/4HD in	657600 2-3/4HD
Square drive plug-in head Type-Square drive 2-1/2 in	657700 2-1/2
Green slide for torque wrench Type 2	657213 2
Plug-in ratchet Type-Square drive 2-1/2 in	657630 2-1/2
Scale window for torque wrench Type 4	657212 4