



## Torque wrench with square plug-in head, Maximum torque: 650N·m



### Order data

Order number	657205 650
GTIN	2050002047327
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.**

With **square drive plug-in head**. **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

Weight	3480 g
Direction of tightening	For right and left-hand tightening
Display	analogue
Torque measuring accuracy	±4 %
maximum torque	650 Nm
Square drive	3/4 in
Scale graduation, 1 graduation =	20 Nm
Exchangeable tool	Plug-in head
Socket for plug-in head	14×18 mm
Torque range	130 - 650 Nm
Torque range	100 - 480 lbfft
Adjustable trigger value	adjustable
Adjusted reference dimension on the torque wrench [l <sub>2</sub> ]	25 mm
Lever length without plug-in head [l <sub>1</sub> ]	855 mm
Feedback	triggering
Setting the trigger value	with adjustment scale
Lever length including factory calibration reference dimension [l <sub>3</sub> ]	880 mm
Standard	DIN EN ISO 6789
Measurement process	Torque
Trigger principle	mechanical short-travel release
Reversible reading	Nm
Connection format	for plug-in heads (rectangular socket)
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

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

## Accessories

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

Plug-in ratchet Type-Square drive 2-1/2 in	657630 2-1/2
Torque wrench without plug-in head Maximum torque 650 N·m	657215 650
Scale window for torque wrench Type 4	657212 4