



Torque wrench with plug-in reversible ratchet, Maximum torque: 650N·m



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 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 **plug-in reversible ratchet**. **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.

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

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

Display	analogue
maximum torque	650 Nm
Exchangeable tool	Plug-in head
Square drive	3/4 in
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 [l ₂]	25 mm
Standard	DIN EN ISO 6789
Lever length including factory calibration reference dimension [l 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 [l 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

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

Plug-in ratchet Square drive 2-1/2 in	657620 2-1/2
Torque wrenchwithout plug-in head Maximum torque 650 N·m	657215 650
Scale window for torque wrench Type 4	657212 4