



Torque wrench QuickSelect without plug-in head, maximum torque: 650N·m



Order data

Order number	657094 650
GTIN	4018754163991
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.

Advantage:

- **Ergonomically shaped two-component handle, resistant to aggressive liquids such as fuel, Skydrol etc.**
- **The adjustment scale is placed behind a sight glass for protection against dirt and damage.**
- **Quick, precise, and reliable setting: Pull the setting knob, "Twist" to set the desired value and "Press" to save it. Setting knob moves easily since there is no spring pressure to be overcome.**

Function:

If the set value is reached while using the wrench, the wrench triggers giving a "signal" (acoustic and perceptible) and is then immediately ready for use again.

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	3231 g
Display	analogue
maximum torque	650 Nm
Socket for plug-in head	14×18 mm
Torque measuring accuracy	±3 %
Direction of tightening	For right and left-hand tightening
Exchangeable tool	Plug-in head
Scale graduation, 1 graduation =	2.5 Nm
Torque range	130 - 650 Nm
Torque range	100 - 480 lbfft
Overall length L	890 mm
Adjustable trigger value	adjustable
Reversible reading	Nm
Reversible reading	lbfft
Lever length including factory calibration reference dimension [l_3]	873 mm
Connection format	for plug-in heads (rectangular socket)
Trigger principle	mechanical short-travel release
Setting the trigger value	with adjustment scale
Adjusted reference dimension on the torque wrench [l_2]	25 mm
Feedback	triggering
Lever length without plug-in head [l_1]	848 mm

Measurement process	Torque
Standard	DIN EN ISO 6789
Calibration	O1
Test certificate	Manufacturer's test certificate
Data can be recorded	no
Release signalling	akustisk
Release signalling	haptisk
Measurement technology	mechanical
Series	MANOSKOP® 730N
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 Type-Square drive 2-1/2 in	657630 2-1/2
Square drive plug-in head Type-Square drive 2-1/2 in	657700 2-1/2
Plug-in ratchet reversible Type-Square drive 2-1/2 in	657582 2-1/2
Plug-in ratchet reversible Type-Square drive 2-3/4 in	657600 2-3/4
Square drive plug-in head Type-Square drive 2-3/4 in	657700 2-3/4
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 Square drive 2-1/2 in	657620 2-1/2
Plug-in ratchet reversiblewith QuickRelease ejector Type-Square drive 2-1/2 in	657590 2-1/2
Plug-in ratchetwith ejector Type-Square drive 2-1/2 in	657580 2-1/2
Plug-in ratchet Type-Square drive 2-3/4 in	657630 2-3/4