



## Torque wrench QuickSelect without plug-in head, maximum torque: 20N·m



### Order data

Order number	657094 20
GTIN	4018754295234
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, lbf·in.

#### 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	737 g
Display	analogue
maximum torque	20 Nm
Socket for plug-in head	9×12 mm
Torque measuring accuracy	±3 %
Direction of tightening	For right and left-hand tightening
Exchangeable tool	Plug-in head
Scale graduation, 1 graduation =	0.2 Nm
Torque range	40 - 180 lbf·in
Torque range	4 - 20 Nm
Setting the trigger value	with adjustment scale
Connection format	for plug-in heads (rectangular socket)
Standard	DIN EN ISO 6789
Adjustable trigger value	adjustable
Adjusted reference dimension on the torque wrench [ $l_2$ ]	17.5 mm
Lever length including factory calibration reference dimension [ $l_3$ ]	243.5 mm
Overall length L	275 mm
Lever length without plug-in head [ $l_1$ ]	226 mm
Reversible reading	Nm
Reversible reading	lbf·in
Feedback	triggering

Trigger principle	mechanical short-travel release
Measurement process	Torque
Calibration	O1
Test certificate	Manufacturer's test certificate
Data can be recorded	no
Measurement technology	mechanical
Release signalling	akustisk
Release signalling	haptisk
Series	MANOSKOP® 730N
Type of product	Torque Wrench

## Services

Calibration Torque wrench maximum torque 400 N·m	020010 400
DAkkS calibration Torque wrench maximum torque 1000 N·m	020020 1000

## Accessories

Square drive plug-in head Type-Square drive 1-1/2 in	657700 1-1/2
Plug-in ratchet reversible with QuickRelease ejector Type-Square drive 1-1/4 in	657590 1-1/4
Plug-in ratchet reversible Type-Square drive 1-3/8 in	657600 1-3/8
Plug-in ratchet reversible with QuickRelease ejector Type-Square drive 1-3/8 in	657590 1-3/8
Plug-in ratchet reversible Type-Square drive 1-1/2 in	657600 1-1/2
Square drive plug-in head Type-Square drive 1-1/4 in	657700 1-1/4
Plug-in ratchet reversible with QuickRelease ejector Type-Square drive 1-1/2 in	657590 1-1/2
Plug-in ratchet reversible Type-Square drive 1-1/4 in	657600 1-1/4
Square drive plug-in head Type-Square drive 1-3/8 in	657700 1-3/8