

# Torque wrench QuickSelect without plug-in head, maximum torque: 50N·m



## **Order data**

Order number	657094 50
GTIN	4018754139514
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:

 $I_1$  = Lever length without plug-in head

 $I_2$  = Adjusted reference dimension on the torque wrench



 $I_3$  = Lever length including factory calibration reference dimension

 $I_4$  = 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**

maximum torque 50 Nm  Display analogue  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 = 0.25 Nm  Torque range 10 - 50 Nm  Torque range 7 - 37 lbfft  Lever length including factory calibration reference dimension [l <sub>3</sub> ]  Reversible reading Nm  Reversible reading Ibfft  Setting the trigger value with adjustment scale  Standard DIN EN ISO 6789  Feedback triggering  Adjusted reference dimension on the torque wrench [l <sub>3</sub> ] 17.5 mm  Lever length without plug-in head [l <sub>1</sub> ] 280 mm  Connection format for plug-in heads (rectangular socket)  Overall length L	Weight	831 g
Display analogue  Socket for plug-in head 9x12 mm  Torque measuring accuracy ±3 %  Direction of tightening For right and left-hand tightening  Exchangeable tool Plug-in head  Scale graduation, 1 graduation = 0.25 Nm  Torque range 10 - 50 Nm  Torque range 7 - 37 lbfft  Lever length including factory calibration reference dimension [l <sub>3</sub> ]  Reversible reading Nm  Reversible reading Ibfft  Setting the trigger value with adjustment scale  Standard DIN EN ISO 6789  Feedback triggering  Adjusted reference dimension on the torque wrench [l <sub>2</sub> ] 17.5 mm  Lever length without plug-in head [l <sub>1</sub> ] 280 mm  Connection format for plug-in heads (rectangular socket)  Overall length L		
Socket for plug-in head  Torque measuring accuracy  Direction of tightening  Exchangeable tool  Scale graduation, 1 graduation =  Torque range  Torque range  Torque range  Torque range  Lever length including factory calibration reference dimension [l₃]  Reversible reading  Reversible reading  Setting the trigger value  Standard  DIN EN ISO 6789  Feedback  Adjusted reference dimension on the torque wrench [l₂]  Lever length without plug-in head [l₁]  Connection format  Connection format  Overall length L  Set right and left-hand tightening  For right and left-hand tightening  Plug-in head  9×12 mm  57 or right and left-hand tightening  For right and left-hand tightening  Plug-in head  9×12 mm  57 or right and left-hand tightening  Plug-in head  9×12 mm  For right and left-hand tightening  Plug-in head  9×12 mm  57 or gith and left-hand tightening  Plug-in head  9×12 mm  10 - 50 Nm	maximum torque	50 Nm
Torque measuring accuracy  Direction of tightening  Exchangeable tool  Scale graduation, 1 graduation =  Torque range  Torgue ra	Display	analogue
Direction of tightening  Exchangeable tool  Scale graduation, 1 graduation =  Torque range  To - 37 lbfft  Lever length including factory calibration reference dimension [l <sub>3</sub> ]  Reversible reading  Reversible reading  Setting the trigger value  Standard  Toln En ISO 6789  Feedback  Adjusted reference dimension on the torque wrench [l <sub>2</sub> ]  Lever length without plug-in head [l <sub>1</sub> ]  Connection format  Torque range  Tor right and left-hand tightening  Relug-in head  Tor ylug-in head  Tor ylug-in heads (rectangular socket)  Torque range  Torque range  Toryue ra	Socket for plug-in head	9×12 mm
Exchangeable tool  Scale graduation, 1 graduation =  Torque range  Torqu	Torque measuring accuracy	±3 %
Scale graduation, 1 graduation = 0.25 Nm  Torque range 10 - 50 Nm  Torque range 7 - 37 lbfft  Lever length including factory calibration reference dimension [l <sub>3</sub> ]  Reversible reading Nm  Reversible reading lbfft  Setting the trigger value with adjustment scale  Standard DIN EN ISO 6789  Feedback triggering  Adjusted reference dimension on the torque wrench [l <sub>2</sub> ] 17.5 mm  Lever length without plug-in head [l <sub>1</sub> ] 280 mm  Connection format for plug-in heads (rectangular socket)  Overall length L	Direction of tightening	For right and left-hand tightening
Torque range 10 - 50 Nm  Torque range 7 - 37 lbfft  Lever length including factory calibration reference dimension [I₃] Nm  Reversible reading Nm  Reversible reading Ibfft  Setting the trigger value with adjustment scale  Standard DIN EN ISO 6789  Feedback triggering  Adjusted reference dimension on the torque wrench [I₂] 17.5 mm  Lever length without plug-in head [I₁] 280 mm  Connection format for plug-in heads (rectangular socket)  Overall length L 330 mm	Exchangeable tool	Plug-in head
Torque range 7 - 37 lbfft  Lever length including factory calibration reference dimension [I <sub>3</sub> ]  Reversible reading Nm  Reversible reading lbfft  Setting the trigger value with adjustment scale  Standard DIN EN ISO 6789  Feedback triggering  Adjusted reference dimension on the torque wrench [I <sub>2</sub> ] 17.5 mm  Lever length without plug-in head [I <sub>1</sub> ] 280 mm  Connection format for plug-in heads (rectangular socket)  Overall length L 330 mm	Scale graduation, 1 graduation =	0.25 Nm
Lever length including factory calibration reference dimension [I <sub>3</sub> ]  Reversible reading  Reversible reading  Reversible reading  Setting the trigger value  Standard  Feedback  Adjusted reference dimension on the torque wrench [I <sub>2</sub> ]  Lever length without plug-in head [I <sub>1</sub> ]  Connection format  Overall length L  Samm  1097.5 mm  297.5 mm  With adjustment scale  With adjustment scale  Triggering  17.5 mm  17.5 mm  280 mm  For plug-in heads (rectangular socket)  330 mm	Torque range	10 - 50 Nm
dimension [I₃]  Reversible reading  Reversible reading  Setting the trigger value  Standard  Feedback  Adjusted reference dimension on the torque wrench [I₂]  Lever length without plug-in head [I₁]  Connection format  Overall length L  Nm  Ibfft  With adjustment scale  DIN EN ISO 6789  triggering  17.5 mm  280 mm  for plug-in heads (rectangular socket)	Torque range	7 - 37 lbfft
Reversible reading  Setting the trigger value  Standard  DIN EN ISO 6789  Feedback  Adjusted reference dimension on the torque wrench [I₂]  Lever length without plug-in head [I₁]  Connection format  Overall length L  1bfft  with adjustment scale  DIN EN ISO 6789  triggering  17.5 mm  280 mm  for plug-in heads (rectangular socket)	Lever length including factory calibration reference dimension [I <sub>3</sub> ]	297.5 mm
Setting the trigger value  Standard  Feedback  Adjusted reference dimension on the torque wrench [I₂]  Lever length without plug-in head [I₁]  Connection format  Overall length L  with adjustment scale  DIN EN ISO 6789  triggering  17.5 mm  280 mm  for plug-in heads (rectangular socket)	Reversible reading	Nm
Standard  DIN EN ISO 6789  Feedback  Adjusted reference dimension on the torque wrench [I₂]  Lever length without plug-in head [I₁]  Connection format  Overall length L  330 mm	Reversible reading	lbfft
Feedback triggering Adjusted reference dimension on the torque wrench $[l_2]$ 17.5 mm Lever length without plug-in head $[l_1]$ 280 mm Connection format for plug-in heads (rectangular socket) Overall length L 330 mm	Setting the trigger value	with adjustment scale
Adjusted reference dimension on the torque wrench $[l_2]$ 17.5 mm  Lever length without plug-in head $[l_1]$ 280 mm  Connection format for plug-in heads (rectangular socket)  Overall length L 330 mm	Standard	DIN EN ISO 6789
Lever length without plug-in head $[l_1]$ 280 mm  Connection format for plug-in heads (rectangular socket)  Overall length L 330 mm	Feedback	triggering
Connection format for plug-in heads (rectangular socket)  Overall length L 330 mm	Adjusted reference dimension on the torque wrench [l <sub>2</sub> ]	17.5 mm
Overall length L 330 mm	Lever length without plug-in head [l <sub>1</sub> ]	280 mm
-	Connection format	for plug-in heads (rectangular socket)
Measurement process Torque	Overall length L	330 mm
	Measurement process	Torque



Adjustable trigger value	adjustable
Trigger principle	mechanical short-travel release
Calibration	01
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	
DAkkS calibrationTorque wrench maximum torque 1000 N·m	020020 1000
CalibrationTorque wrench maximum torque 400 N·m	020010 400
Accessories	
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 1-1/2 in	657590 1-1/2
Plug-in ratchet reversible with QuickRelease ejector Type- Square drive 1-3/8 in	657590 1-3/8
Square drive plug-in head Type-Square drive 1-1/2 in	657700 1-1/2
Square drive plug-in head Type-Square drive 1-3/8 in	657700 1-3/8
Plug-in ratchet reversible Type-Square drive 1-1/4 in	657600 1-1/4
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 1-1/2 in	657600 1-1/2
Square drive plug-in head Type-Square drive 1-1/4 in	657700 1-1/4