#### STAHLWILLE ()\*

## Torque wrench QuickSelect with plug-in ratchet, maximum torque: 50N·m



## **Order data**

Order number	657090 50
GTIN	2050001017413
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.

### 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**

Square drive3/8 inSquare drive3/8 inmaximum torque50 NmDisplayanalogueSocket for plug-in head9×12 mmTorque measuring accuracy±3 %Direction of tighteningFor right and left-hand tighteningExchangeable toolPlug-in headScale graduation, 1 graduation =0.25 NmTorque range10 - 50 NmTorque range7 - 37 lbfftLever length without plug-in head [l,]280 mmStandardDIN EN ISO 6789Adjustable trigger valuemcchanical short-travel releaseConnection formatfor plug-in heads (rectangular socket)Measurement processTorqueAdjusted reference dimension on the torque wrench [l_j]17.5 mmReversible readingIbfftFeedbacktriggeringLever length including factory calibration reference297.5 mm		
maximum torque 50 Nm Display 50 Nm Socket for plug-in head 79×12 mm Torque measuring accuracy 71 10 10 10 10 10 10 10 10 10 10 10 10 10	Weight	1050 g
DisplayanalogueDisplayanalogueSocket for plug-in head9×12 mmTorque measuring accuracy±3 %Direction of tighteningFor right and left-hand tighteningExchangeable toolPlug-in headScale graduation, 1 graduation =0.25 NmTorque range10 - 50 NmTorque range7 - 37 lbfftLever length without plug-in head [l,]280 mmStandardDIN EN ISO 6789Adjustable trigger valuemechanical short-travel releaseConnection formatfor plug-in heads (rectangular socket)Measurement processTorqueAdjusted reference dimension on the torque wrench [l,]17.5 mmReversible readingIbfftFeedbacktriggeringLever length including factory calibration reference287.5 mm	Square drive	3/8 in
Socket for plug-in head9×12 mmSocket for plug-in head±3 %Torque measuring accuracyFor right and left-hand tighteningExchangeable toolPlug-in headScale graduation, 1 graduation =0.25 NmTorque range10 - 50 NmTorque range7 - 37 lbfftLever length without plug-in head [l,]280 mmStandardDIN EN ISO 6789Adjustable trigger valuemechanical short-travel releaseConnection formatfor plug-in heads (rectangular socket)Measurement processTorqueAdjusted reference dimension on the torque wrench [l_2]17.5 mmReversible readingNmReversible readingIbfftFeedbacktriggeringLever length including factory calibration reference297.5 mm	maximum torque	50 Nm
Torque measuring accuracy±3 %Direction of tighteningFor right and left-hand tighteningExchangeable toolPlug-in headScale graduation, 1 graduation =0.25 NmTorque range10 - 50 NmTorque range7 - 37 lbfftLever length without plug-in head [l <sub>1</sub> ]280 mmStandardDIN EN ISO 6789Adjustable trigger valuemechanical short-travel releaseConnection formatfor plug-in heads (rectangular socket)Measurement processTorqueAdjusted reference dimension on the torque wrench [l <sub>2</sub> ]17.5 mmReversible readingNmReversible readingIbfftFeedbacktriggeringLever length including factory calibration reference297.5 mm	Display	analogue
Direction of tighteningFor right and left-hand tighteningExchangeable toolPlug-in headScale graduation, 1 graduation =0.25 NmTorque range10 - 50 NmTorque range7 - 37 lbfftLever length without plug-in head [l,]280 mmStandardDIN EN ISO 6789Adjustable trigger valueadjustableTrigger principlemechanical short-travel releaseConnection formatfor plug-in heads (rectangular socket)Measurement processTorqueAdjusted reference dimension on the torque wrench [l_2]17.5 mmReversible readingNmReversible readingIbfftLever length including factory calibration reference297.5 mm	Socket for plug-in head	9×12 mm
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Scale graduation, 1 graduation =0.25 NmScale graduation, 1 graduation =0.25 NmTorque range10 - 50 NmTorque range7 - 37 lbfftLever length without plug-in head [l <sub>1</sub> ]280 mmStandardDIN EN ISO 6789Adjustable trigger valueadjustableTrigger principlemechanical short-travel releaseConnection formatfor plug-in heads (rectangular socket)Measurement processTorqueAdjusted reference dimension on the torque wrench [l <sub>2</sub> ]17.5 mmReversible readingNmReversible readingIbfftFeedbacktriggeringLever length including factory calibration reference297.5 mm	Direction of tightening	For right and left-hand tightening
Torque range10 - 50 NmTorque range7 - 37 lbfftLever length without plug-in head [l <sub>1</sub> ]280 mmStandardDIN EN ISO 6789Adjustable trigger valueadjustableTrigger principlemechanical short-travel releaseConnection formatfor plug-in heads (rectangular socket)Measurement processTorqueAdjusted reference dimension on the torque wrench [l <sub>2</sub> ]17.5 mmReversible readingNmReversible readingIbfftFeedbacktriggering	Exchangeable tool	Plug-in head
Torque range7 - 37 lbfftLever length without plug-in head [l_1]280 mmStandardDIN EN ISO 6789Adjustable trigger valueadjustableTrigger principlemechanical short-travel releaseConnection formatfor plug-in heads (rectangular socket)Measurement processTorqueAdjusted reference dimension on the torque wrench [l_2]17.5 mmReversible readingIbfftFeedbacktriggeringLever length including factory calibration reference297.5 mm	Scale graduation, 1 graduation =	0.25 Nm
Lever length without plug-in head [l_]280 mmStandardDIN EN ISO 6789Adjustable trigger valueadjustableTrigger principlemechanical short-travel releaseConnection formatfor plug-in heads (rectangular socket)Measurement processTorqueAdjusted reference dimension on the torque wrench [l_2]17.5 mmReversible readingNmReversible readingIbfftFeedbacktriggeringLever length including factory calibration reference297.5 mm	Torque range	10 - 50 Nm
StandardDIN EN ISO 6789Adjustable trigger valueadjustableTrigger principlemechanical short-travel releaseConnection formatfor plug-in heads (rectangular socket)Measurement processTorqueAdjusted reference dimension on the torque wrench [l_2]17.5 mmReversible readingNmReversible readingIbfftFeedbacktriggeringLever length including factory calibration reference297.5 mm	Torque range	7 - 37 lbfft
Adjustable trigger valueadjustableTrigger principlemechanical short-travel releaseConnection formatfor plug-in heads (rectangular socket)Measurement processTorqueAdjusted reference dimension on the torque wrench [l₂]17.5 mmReversible readingNmReversible readingIbfftFeedbacktriggeringLever length including factory calibration reference297.5 mm	Lever length without plug-in head $[I_1]$	280 mm
Trigger principlemechanical short-travel releaseConnection formatfor plug-in heads (rectangular socket)Measurement processTorqueAdjusted reference dimension on the torque wrench [l₂]17.5 mmReversible readingNmReversible readingIbfftFeedbacktriggeringLever length including factory calibration reference297.5 mm	Standard	DIN EN ISO 6789
SS PreductionConnection formatfor plug-in heads (rectangular socket)Measurement processTorqueAdjusted reference dimension on the torque wrench [l_2]17.5 mmReversible readingNmReversible readingIbfftFeedbacktriggeringLever length including factory calibration reference297.5 mm	Adjustable trigger value	adjustable
Measurement processTorqueAdjusted reference dimension on the torque wrench [l_2]17.5 mmReversible readingNmReversible readingIbfftFeedbacktriggeringLever length including factory calibration reference297.5 mm	Trigger principle	mechanical short-travel release
Adjusted reference dimension on the torque wrench [l_2]17.5 mmReversible readingNmReversible readingIbfftFeedbacktriggeringLever length including factory calibration reference297.5 mm	Connection format	for plug-in heads (rectangular socket)
Reversible readingNmReversible readingIbfftFeedbacktriggeringLever length including factory calibration reference297.5 mm	Measurement process	Torque
Reversible reading   Ibfft     Feedback   triggering     Lever length including factory calibration reference   297.5 mm	Adjusted reference dimension on the torque wrench $[I_2]$	17.5 mm
Feedback triggering   Lever length including factory calibration reference 297.5 mm	Reversible reading	Nm
Lever length including factory calibration reference	Reversible reading	lbfft
2 2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Feedback	triggering
	Lever length including factory calibration reference dimension [l <sub>3</sub> ]	297.5 mm

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Setting the trigger value	with adjustment scale
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

CalibrationTorque wrench maximum torque 400 N·m	020010 400
DAkkS calibrationTorque wrench maximum torque 1000 N·m	020020 1000

# Accessories

Plug-in ratchet reversible Type-Square drive 1-1/2 in	657600 1-1/2
Plug-in ratchet reversible Type-Square drive 1-1/4 in	657600 1-1/4
Plug-in ratchet reversible Type-Square drive 1-1/4 in	657582 1-1/4
Plug-in ratchet reversible Type-Square drive 1-3/8 in	657582 1-3/8
Plug-in ratchet reversible Type-Square drive 1-3/8 in	657600 1-3/8
Plug-in ratchet reversiblewith QuickRelease ejector Type- Square drive 1-1/2 in	657590 1-1/2
Plug-in ratchet reversiblewith QuickRelease ejector Type- Square drive 1-1/4 in	657590 1-1/4
Plug-in ratchet reversiblewith QuickRelease ejector Type- Square drive 1-3/8 in	657590 1-3/8
Plug-in ratchet reversible Type-Square drive 1-1/2 in	657582 1-1/2
Torque wrench QuickSelectwithout plug-in head maximum torque 50 N·m	657094 50