

Torque wrench with plug-in reversible ratchet, Maximum torque: 650 Nm



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 with stressed parts loaded only briefly on each occasion. Body and handle are of sturdy square section. Scales adjustable. **Anti-clockwise tightening by pushing through the drive shank**

With plug-in reversible ratchet. Units of measure: N·m, lbf·ft.

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.

Note:

The guaranteed measuring accuracy of the torque is achieved only once the torque range has been calibrated to DIN EN ISO 6789.

Direction of tightening: For right and left-hand tightening

Torque measuring accuracy: ±4 % Exchangeable tool: Plug-in head

Test certificate: Manufacturer's test certificate

Calibration: O1

Torque range: 130 - 650 Nm Torque range: 100 - 480 lbfft

Scale graduation, 1 graduation =: 20 Nm

Weight: 3480 g

Adjusted reference dimension on the torque wrench [l₂]: 25 mm

Square drive: 3/4 inch

Technical description

| maximum torque Exchangeable tool Plug-in head Square drive Scale graduation, 1 graduation = Direction of tightening Torque measuring accuracy Weight Socket for plug-in head Torque range Torque Lever length including factory calibration reference dimension [l,] Feedback Triggering Torque Torque Lever length without plug-in head [l,] Torque Lever length in Lever length without plug-in head [l,] Torque Lever length in Lever length without plug-in head [l,] Torque Lever length in Lever length without plug-in head [l,] Torque | Display | analogue |
|--|---|--|
| Exchangeable tool Square drive Scale graduation, 1 graduation = Direction of tightening Torque measuring accuracy Weight Socket for plug-in head Torque range Torque Lever length including factory calibration reference dimension [l ₃] Feedback Torque Triggering Torque Lever length without plug-in head [l ₁] Setting the trigger value With adjustment scale Trigger principle Calibration O1 Test certificate Manufacturer's test certificate Data can be recorded | · · | - |
| Square drive Scale graduation, 1 graduation = Direction of tightening Torque measuring accuracy Weight Socket for plug-in head Torque range Torque Reversible reading Tornue Torque Lever length including factory calibration reference dimension [l ₃] Feedback Torque Triggering Tor plug-in heads (rectangular socket) Adjustable trigger value Measurement process Torque Lever length without plug-in head [l ₁] Setting the trigger value Trigger principle Trigger principle Trigger principle Trigger principle Calibration O1 Test certificate Data can be recorded | · | Plug-in head |
| Direction of tightening Torque measuring accuracy Weight 3480 g Socket for plug-in head Torque range Torque Torqu | | 3/4 inch |
| Torque measuring accuracy 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-] Ever length including factory calibration reference dimension [l-] Feedback Connection format Adjustable trigger value Measurement process Lever length without plug-in head [l-] Setting the trigger value Trigger principle Trigger principle Meanufacturer's test certificate Data can be recorded 14×18 mm 14×18 mm 14×18 mm 100 - 480 lbfft 100 - 480 lbfft | Scale graduation, 1 graduation = | 20 Nm |
| 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 [1/2] 25 mm Standard DIN EN ISO 6789 Lever length including factory calibration reference dimension [1/3] triggering Feedback triggering Connection format for plug-in heads (rectangular socket) Adjustable trigger value adjustable Measurement process Torque Lever length without plug-in head [1/1] 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 | Direction of tightening | For right and left-hand tightening |
| Socket for plug-in head Torque range 130 - 650 Nm Torque range 100 - 480 lbfft Reversible reading Nm Adjusted reference dimension on the torque wrench [l₂] 25 mm Standard DIN EN ISO 6789 Lever length including factory calibration reference dimension [l₃] Feedback triggering Connection format for plug-in heads (rectangular socket) Adjustable trigger value Measurement process Lever length without plug-in head [l₁] Setting the trigger value Trigger principle With adjustment scale Trigger principle Calibration O1 Test certificate Manufacturer's test certificate Data can be recorded Nm | Torque measuring accuracy | ±4 % |
| Torque range 130 - 650 Nm Torque range 100 - 480 lbfft Reversible reading Nm Adjusted reference dimension on the torque wrench [I₂] 25 mm Standard DIN EN ISO 6789 Lever length including factory calibration reference dimension [I₃] Feedback triggering Connection format for plug-in heads (rectangular socket) Adjustable trigger value adjustable Measurement process Torque Lever length without plug-in head [I₁] 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 | Weight | 3480 g |
| Torque range 100 - 480 lbfft Reversible reading Nm Adjusted reference dimension on the torque wrench [l₂] 25 mm Standard DIN EN ISO 6789 Lever length including factory calibration reference dimension [l₃] Feedback triggering Connection format for plug-in heads (rectangular socket) Adjustable trigger value adjustable Measurement process Torque Lever length without plug-in head [l₁] 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 | Socket for plug-in head | 14×18 mm |
| Reversible reading Adjusted reference dimension on the torque wrench [l₂] Standard DIN EN ISO 6789 Lever length including factory calibration reference dimension [l₃] Feedback triggering Connection format for plug-in heads (rectangular socket) Adjustable trigger value Measurement process Torque Lever length without plug-in head [l₁] Setting the trigger value Trigger principle Trigger principle Calibration O1 Test certificate Data can be recorded Nm | Torque range | 130 - 650 Nm |
| Adjusted reference dimension on the torque wrench [l₂] Standard DIN EN ISO 6789 Lever length including factory calibration reference dimension [l₃] Feedback Connection format Adjustable trigger value Measurement process Lever length without plug-in head [l₁] Setting the trigger value Trigger principle Calibration O1 Test certificate Data can be recorded DIN EN ISO 6789 DIN EN ISO 6789 AB90 B80 mm Setting triggering for plug-in heads (rectangular socket) Adjustable Triggering Forque B855 mm With adjustment scale mechanical short-travel release Manufacturer's test certificate | Torque range | 100 - 480 lbfft |
| Standard DIN EN ISO 6789 Lever length including factory calibration reference dimension [I ₃] Feedback triggering Connection format for plug-in heads (rectangular socket) Adjustable trigger value adjustable Measurement process Torque Lever length without plug-in head [I 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 | Reversible reading | Nm |
| Lever length including factory calibration reference dimension [I ₃] Feedback Connection format Adjustable trigger value Measurement process Lever length without plug-in head [I ₁] Setting the trigger value Trigger principle Calibration O1 Test certificate Data can be recorded Manufacturer's test certificate | Adjusted reference dimension on the torque wrench [l ₂] | 25 mm |
| dimension [I ₃] Feedback Connection format Adjustable trigger value Measurement process Lever length without plug-in head [I ₁] Setting the trigger value Trigger principle Calibration Test certificate Data can be recorded Triggering for plug-in heads (rectangular socket) adjustable Torque 855 mm With adjustment scale mechanical short-travel release Manufacturer's test certificate | Standard | DIN EN ISO 6789 |
| Connection format for plug-in heads (rectangular socket) Adjustable trigger value adjustable Measurement process Torque Lever length without plug-in head [l₁] 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 | | 880 mm |
| Adjustable trigger value Measurement process Torque Lever length without plug-in head [I ₁] Setting the trigger value Trigger principle Calibration O1 Test certificate Data can be recorded Adjustable adjustable Torque 855 mm with adjustment scale mechanical short-travel release Manufacturer's test certificate | Feedback | triggering |
| Measurement process Torque Lever length without plug-in head [l ₁] Setting the trigger value Trigger principle Calibration O1 Test certificate Data can be recorded Torque 855 mm with adjustment scale mechanical short-travel release Manufacturer's test certificate | Connection format | for plug-in heads (rectangular socket) |
| Lever length without plug-in head $[l_1]$ 855 mmSetting the trigger valuewith adjustment scaleTrigger principlemechanical short-travel releaseCalibrationO1Test certificateManufacturer's test certificateData can be recordedno | Adjustable trigger value | adjustable |
| 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 | Measurement process | Torque |
| Trigger principle mechanical short-travel release Calibration O1 Test certificate Manufacturer's test certificate Data can be recorded no | Lever length without plug-in head $[I_1]$ | 855 mm |
| Calibration O1 Test certificate Manufacturer's test certificate Data can be recorded no | Setting the trigger value | with adjustment scale |
| Test certificate Manufacturer's test certificate Data can be recorded no | Trigger principle | mechanical short-travel release |
| Data can be recorded no | Calibration | 01 |
| | Test certificate | Manufacturer's test certificate |
| Release signalling akustisk | 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

| Labelling laser-etched Type | 018940 |
|---|-------------|
| Calibration Torque wrench maximum torque 1000 Nm | 018820 1000 |
| DAkkS calibration Torque wrench maximum torque 1000 Nm | 018830 1000 |

Accessories

| Plug-in ratchet reversible with QuickRelease ejector Type- Square drive 2-1/2 inch | 657590 2-1/2 |
|---|----------------|
| Plug-in ratchet Square drive 2-3/4 inch | 657620 2-3/4 |
| Plug-in ratchet Square drive 2-1/2 inch | 657620 2-1/2 |
| Plug-in ratchet reversible Type-Square drive 2-3/4 inch | 657600 2-3/4 |
| Square drive plug-in head Type-Square drive 2-1/2 inch | 657700 2-1/2 |
| Square drive plug-in head Type-Square drive 2-3/4 inch | 657700 2-3/4 |
| Plug-in ratchet reversible Type-Square drive 2-1/2 inch | 657600 2-1/2 |
| Plug-in ratchet reversible Type-Square drive 2-3/4HD inch | 657600 2-3/4HD |
| Plug-in ratchet with ejector Type-Square drive 2-1/2 inch | 657580 2-1/2 |
| Spare handle for torque wrenches Type 3 | 657211 3 |
| Spare handle for torque wrenches Type 4 | 657211 4 |
| Scale window with magnifying glass for torque wrench Type 2 | 657212 2 |

| Green slide for torque wrench Type 2 | 657213 2 |
|--|--------------|
| Plug-in ratchet Type-Square drive 2-3/4 inch | 657630 2-3/4 |
| Plug-in ratchet Type-Square drive 2-1/2 inch | 657630 2-1/2 |
| Plug-in ratchet reversible with ejector Type-Square drive 2-1/2 inch | 657582 2-1/2 |