



MANOSKOP® tightening angle torque wrenches w.mount for insert tools

714/20



Art.No. 96500920
GTIN 4018754222834
Model 714/20

Label.

Tightening angle torque wrench MANOSKOP No. 714/20 Measuring-R. 20-200Nm
Output L. 547mm

Features.

- 4 measuring modes (torque, angle of rotation, torque with control variable angle of rotation, angle of rotation with control variable torque)
- high-resolution colour graphic display with additional lateral signal lights
- free configurable menu structure
- optional: Li-ion battery no. 7195-2 and charger no. 7160
- 3 function modes: triggering, peak hold (indicating operation with peak value display) and track (indicating operation with momentary value display)
- Micro-USB interface
- Bayonet catch for battery compartment
- QuickRelease safety lock - exchange system for insert.wkz.
- Data storage (= 2. 500 tightening operations)
- up to 200 tightening operations in a maximum of 25 sequence plans are programmable
- different tolerance limits can be set depending on the tightening operation
- acoustic and visual evaluation of the tightening operation
- quick and precise setting via keypad
- no unintended adjustment by automatic key lock
- overload protection by acoustic and optical warning signal as well as forced release (right)
- automatic indication of the next calibration date according to time and/or number of loads
- fully automatic calibration and adjustment with the perfectControl® calibration and adjustment device no. 7794-2 (torque) or 7794-3 (torque and angle of rotation)
- Units of measurement: N-m, ft-lb, in-lb
- automatically correct tightening torque after entering a deviating stitch size
- immediately ready for operation again after unloading
- Right and left tightening - for left tightening in function mode triggering may be necessary. the insertion tool must be turned by 180°
- sensible and audible trigger signal
- torque and angle of rotation visible at the same time
- measurement independent of the point of force application (Gr. 1, 2 and 4)

- safe handling due to ergonomically shaped handle (resistant to oils, greases, fuels, brake fluids and Skydrol)
- 3 certificates (torque indicating/releasing according to DIN EN ISO 6789-2:2017, angle of rotation)
- in sturdy plastic box (Gr. 40-100 in sheet steel case)
- registered design, patented
- Supplied with SENSOMASTER 4 software, USB cable, 4 AAA/LR03 micro batteries, 1.5 V. Micro NiMH rechargeable batteries AAA, 1.2 V, can be used
- Display resolution angle of rotation 0.1°
- **Display deviation angle of rotation $\pm 1^\circ \pm 1$ digit up to 100°, >100° at least 1% ± 1 digit**
- Display resolution torque = 60 N-m: 0.01 N-m; &60 N-m: 0.1 N-m
- **Display deviation torque $\pm 2\%$, ± 1 digit**

Advantages.

4 measuring modes (torque, angle, torque backed up by angle, angle backed up by torque)

STAHLWILLE: For over 160 years, we as a traditional German company from Wuppertal have stood for tools that are appreciated around the world for their excellent quality

Product highlights.



Electromechanical triggering.

The best of both worlds: electromechanical torque wrenches from STAHLWILLE combine the uncompromising accuracy of an electronic torque tool with the comforting tactile feedback of a mechanical trigger mechanism.



Safe.

Increased fastener quality – including the angle of turn as the second measured quantity makes the bolted joint even more secure.



Audited.

All our angle-controlled torque wrenches have a logging function. Using the corresponding software (this is an optional extra), it is possible to read out programmed, stored readings and archive them on the PC – for example by the serial number of the tool, date and timestamp of the tightening operation, target torque and angle and the torques and angles actually recorded.



Accurat.

Accuracy counts – uncertainty is reduced to a minimum to guarantee accurate readings.



Economical.

Thanks to the considerably extended measuring ranges, every angle-controlled torque wrench can replace as many as four mechanical torque wrenches (two indicating and two clicking), which simultaneously reduces the costs of maintenance, calibration and adjustment. All these models are suitable for clockwise and anticlockwise tightening.



Made to measure.

Four measuring modes (torque, angle, torque backed up by angle, angle backed up by torque).



Connecting you now.

Micro-USB interface for quick connection to a PC.



Simple.

Smooth-action bayonet connection on battery compartment. Can optionally be equipped with Li-Ion battery 7195-2.



Versatile.

Three function modes: first peak, peak (indicating mode) and track (indicating mode).



HD-Display.

High-densition colour display providing a reading angle up to 170° and with additional side-mounted indicator lamps. Yellow lamp: advance warning threshold reached green lamp: within the target range red lamp: reading is outside the tolerance range.



Individual.

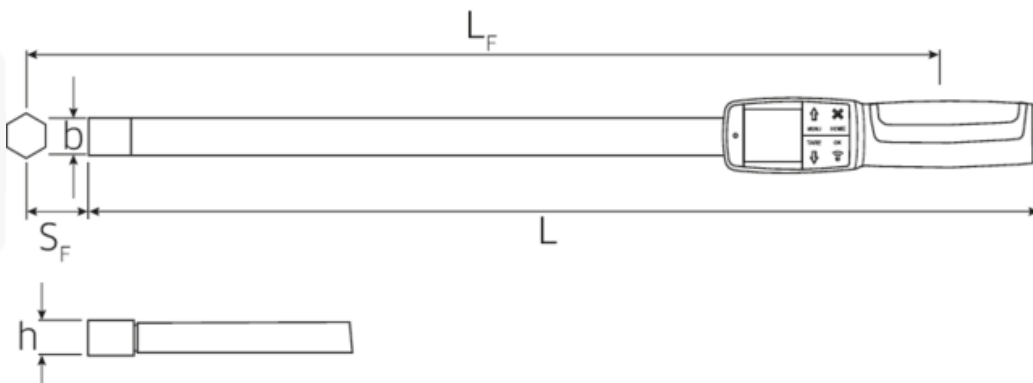
Individually configurable menus. Includes SENSOMASTER software for easy configuration of the tool.



Safe.

The QuickRelease interlock technology ensures tools cannot be inadvertently lost – while enabling rapid, safe tool changes.

Technical Drawing.



Technical Attributes.

Width mm (b)	28 mm
Weight with box	1896 g
Size	20
Size hexagon socket [internal square]	14 x 18 mm
Height mm (h)	23 mm
Length mm (L)	547 mm
LF	516 mm
Measuring range ft-lb	15-150 ft·lb
Measuring range in-lb	180-1800 in·lb
Measuring range N·m	20-200 N·m
SF	25 mm

Logistics data.

Length (IFS)	685
Width (IFS)	90
Height (IFS)	75
Length (packed, mm)	685
Width (packed, mm)	90
Height (packed, mm)	75
Volume (packed, mm)	4.62375 dm ³
Code	96500920
Weight (gross, kg)	2,085
Weight PAP (kg)	0,130
Weight PVC (kg)	0,000
GTIN	4018754222834
Country of origin	GERMANY
Region of origin	Nordrhein-Westfalen
WEEE/Electrical Act	Großgeräte B2C
Customs tariff no.	82041100
Numbers of content units per order units	1
Weight	1361 g

Parts list.



50102020



83071010



81370003
Plastic case, empty



59220003
Battery



51110057
USB cable

Variants.

Code	Article number (ERP)	Article description (Autom.)	GTIN
96500901	714/ 1	Tightening angle torque wrench MANOSKOP No. 714/1 Measuring-R. 1-10Nm Output L. 226mm	4018754222780
96500902	714/ 2	Tightening angle torque wrench MANOSKOP No. 714/2 Measuring-R. 2-20Nm Output L. 226mm	4018754222797
96500904	714/ 4	Tightening angle torque wrench MANOSKOP No. 714/4 Measuring-R. 4-40Nm Output L. 252mm	4018754222803
96500906	714/ 6	Tightening angle torque wrench MANOSKOP No. 714/6 Measuring-R. 6-60Nm Output L. 393mm	4018754222810
96500910	714/10	Tightening angle torque wrench MANOSKOP No. 714/10 Measuring-R. 10-100Nm Output L. 466mm	4018754222827
96500920	714/20	Tightening angle torque wrench MANOSKOP No. 714/20 Measuring-R. 20-200Nm Output L. 547mm	4018754222834
96500940	714/40	Tightening angle torque wrench MANOSKOP No. 714/40 Measuring-R. 40-400Nm Output L. 687mm	4018754222841
96500965	714/65	Tightening angle torque wrench MANOSKOP No. 714/65 Measuring-R. 65-650Nm Output L. 890mm	4018754222858
96500980	714/80	Tightening angle torque wrench MANOSKOP No. 714/80 Measuring-R. 80-800Nm Output L. 1158mm	4018754222865
96500100	714/100	Tightening angle torque wrench MANOSKOP No. 714/100 Measuring-R. 100-1000Nm Output L. 1343mm	4018754222773

GTIN-Code.



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Accessories.



96521161
Interface adaptor set



52110061
Interface adaptor



52110220
Bluetooth modules for
torque wrench