

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

### 714



Art.No. **96500920**  
 GTIN **4018754222834**  
 Model **714/20**

#### Label.

Tightening angle torque wrench MANOSKOP No. 714 Measuring-R. 20-200N·m  
 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%  $\pm 1$  digit**
- Display resolution torque = 60 N-m: 0.01 N-m; &60 N-m: 0.1 N-m
- **Display deviation torque  $\pm 2\%$ ,  $\pm 1$  digit**

## Advantages.

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

## 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.



### Made to measure.

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



### Versatile.

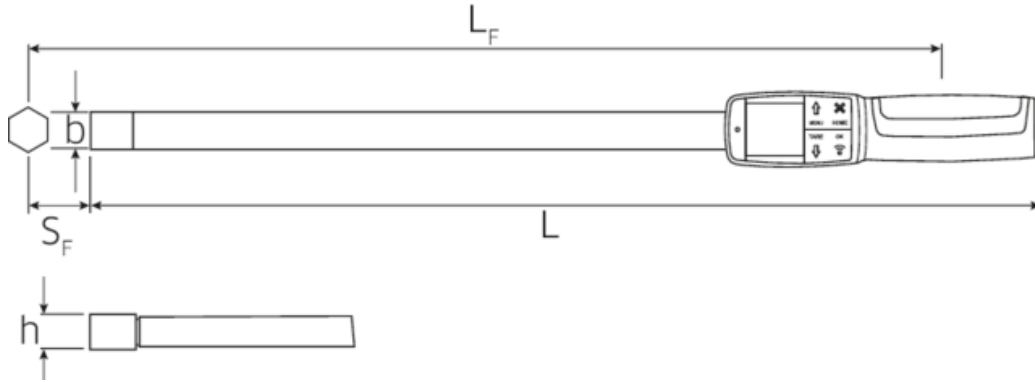
Three function modes: first peak, peak (indicating mode) and track (indicating mode).



### HD-Display.

High-denition 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.

## Technical Drawing.



## Technical Attributes.

Akku-Typ	Micro-NiMH AAA, 1.2V
Battery type	Micro (AAA) 1,5V
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 <sup>3</sup>
Artikelnummer	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.



81370003  
Plastic case, empty



59220003  
Battery



51110057  
USB cable

## Variants.

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

## GTIN-Code.



## Accessories.



96521161  
Interface adaptor set



52110061  
Interface adaptor



52110220  
Bluetooth modules for  
torque wrench