



## MANOSKOP® tightening angle torque wrenches w.reversible ratchet insert tool

**714R**

Art.No. **96501006**  
GTIN **4018754212743**  
Model **714R/ 6**

### Label.

MANOSKOP tightening angle torque wrenches w.reversible ratchet insert tool No. 714R Measuring-R. 6-60N·m Output 3/8" L. 427mm

### Features.

- 4 measuring modes (torque, angle, torque backed up by angle, angle backed up by torque)
- high-definition colour display with additional side-mounted indicator lamps
- freely configurable menu structure
- optionally: Li-ion battery No 7195-2 and charger No 7160
- 3 function modes: cut-out, peak hold (indicating mode with peak value) and track (indicating mode with current value)
- micro USB interface
- bayonet connection for battery compartment
- QuickRelease safety lock change system for insert tools
- data storage ( $\leq 2500$  tightening jobs)
- as many as 200 joints can be programmed in up to 25 preset sequences
- different tolerance limits can be set for each joint
- acoustic and visual assessment of the joint
- rapid, accurate setting via keypad
- the automatic keypad lock prevents inadvertent changes
- overload protection by means of acoustic and visual signals and a fail-safe system (clockwise)
- automatic notification of the next calibration date, either by the number of joints or the time interval
- fully automated calibrating and adjusting using the perfectControl® calibrating and adjusting unit No 7794-2 (torque) or 7794-3 (torque and angle)
- units of measure: N·m, ft·lb, in·lb
- tightening torque is automatically corrected if a deviating extension is entered
- immediately reusable after release
- clockwise and anticlockwise tightening – it may be necessary to refit the insert tool rotated through 180° for anticlockwise tightening in the cut-out mode
- tactile and acoustic trigger signal
- torque and angle are simultaneously visible
- all readings are independent of the point of application of force (with sizes 1, 2 and 4)
- safe handling due to ergonomically designed handle (resistant to oils, grease, fuels, brake fluid and skydrol)

- 3 certificates (torque indicating/clicking in accordance with DIN EN ISO 6789-2:2017, angle)
- in sturdy plastic box (size 40-100 in steel box)
- design patent, patent
- supplied with SENSOMASTER 4 software, USB cable, 4 AAA/LR03 micro-batteries, 1.5 V. AAA, 1.2 V, micro NiMH rechargeable batteries can be used
- display resolution, angle 0.1°
- **display deviation value, angle  $\pm 1\%$ ,  $\pm 1$  digit**
- display resolution, torque  $\leq 60$  N·m: 0.01 N·m;  $> 60$  N·m: 0.1 N·m;  $> 400$  N·m: 1 N·m
- **display deviation value, 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.



### 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.



### 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-density 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 Attributes.

Output square drive outside (inch)	3/8"
Akku-Typ	Micro-NiMH AAA, 1.2V
Battery type	Micro (AAA) 1,5V
Width mm (b)	80 mm
Weight with box	1390 g
Size	6
Size hexagon socket [internal square]	9 x 12 mm
Height mm (h)	70 mm
Length mm (L)	427 mm
Measuring range ft-lb	4,5-45 ft-lb
Measuring range in-lb	54-540 in-lb
Measuring range N-m	6-60 N-m

## Logistics data.

Length (IFS)	560
Width (IFS)	80
Height (IFS)	70
Length (packed, mm)	560
Width (packed, mm)	80
Height (packed, mm)	70
Volume (packed, mm)	3.136 dm3
Artikelnummer	96501006
Weight (gross, kg)	1,675
Weight PAP (kg)	0,095
Weight PVC (kg)	0,000
GTIN	4018754212743
Country of origin	GERMANY
Region of origin	Nordrhein-Westfalen
WEEE/Electrical Act	Kleingeräte B2C
Customs tariff no.	82041100
Numbers of content units per order units	1
Weight	965 g

## Parts list.



81370002  
Plastic case, empty



59220003  
Battery



51110057  
USB cable

## Variants.

ArtikelnummerArticle number (ERP)		Article description (Autom._)	GTIN
96501001	714R/ 1	MANOSKOP tightening angle torque wrenches w.reversible ratchet insert tool No. 714R Measuring-R. 1-10N-m Output 1/4" L. 269mm	4018754212712
96501002	714R/ 2	MANOSKOP tightening angle torque wrenches w.reversible ratchet insert	4018754212729

		tool No. 714R Measuring-R. 2-20N·m Output 1/4" L. 269mm	
96501004	714R/ 4	MANOSKOP tightening angle torque wrenches w.reversible ratchet insert tool No. 714R Measuring-R. 4-40N·m Output 1/4" L. 295mm	4018754212736
96501006	714R/ 6	MANOSKOP tightening angle torque wrenches w.reversible ratchet insert tool No. 714R Measuring-R. 6-60N·m Output 3/8" L. 427mm	4018754212743
96501010	714R/10	MANOSKOP tightening angle torque wrenches w.reversible ratchet insert tool No. 714R Measuring-R. 10-100N·m Output 1/2" L. 500mm	4018754212750
96501020	714R/20	MANOSKOP tightening angle torque wrenches w.reversible ratchet insert tool No. 714R Measuring-R. 20-200N·m Output 1/2" L. 594mm	4018754212767
96501040	714R/40	MANOSKOP tightening angle torque wrenches w.reversible ratchet insert tool No. 714R Measuring-R. 40-400N·m Output 3/4" L. 737mm	4018754212774
96501065	714R/65	MANOSKOP tightening angle torque wrenches w.reversible ratchet insert tool No. 714R Measuring-R. 65-650N·m Output 3/4" L. 980mm	4018754212781
96501080	714R/80	MANOSKOP tightening angle torque wrenches w.reversible ratchet insert tool No. 714R Measuring-R. 80-800N·m Output 3/4" L. 1253mm	4018754212798
96501100	714R/100	MANOSKOP tightening angle torque wrenches w.reversible ratchet insert tool No. 714R Measuring-R. 100-1000N·m Output 3/4" L. 1438mm	4018754212804

## GTIN-Code.



## Accessories.



96521161  
Interface adaptor set



52110061  
Interface adaptor



52110220  
Bluetooth modules for  
torque wrench

## Images.

