TKSA 11Shaft alignment system with Inductive sensors for smartphones and tablets (iOS and Android)

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The TKSA 11 uses smartphones and tablets to intuitively guide the user through the shaft alignment process. The TKSA 11 is designed for core alignment tasks and is very easy-to-use. The small size makes the instrument ideal for quick checks during inspection routes and compact installations. The SKF TKSA uses inductive proximity sensors, enabling accurate and reliable shaft alignment.

- Live view for intuitive measurements and easy horizontal corrections
- Fully functional demonstration mode in free TKSA 11 app
- Fast return on investment and very affordable
- Inductive proximity sensors are not affected by bright sunlight, increase the robustness of the instrument and reduce the influence of backlash
- Automatic alignment reports can be customised with notes and pictures and can easily be exported as pdf
- Also available as complete ready-to-use system with rugged, industrial display device and pre-installed apps TKSA 11D2

Overview

Dimensions

Maximum coupling height	55 mm
Total product weight	2.3 kg

Properties

Alignment methods	3 position measurement 9 -12 -3
Recommended applications	Horizontal shafts
Live correction values	Only horizontal
Special features	Automatic .pdf reports
Sensors	2x Inductive proximity sensors with 3x reference bars
Communications	Bluetooth 4.0 LE
Measurement	0 to 185 mm between brackets

distance	
Measuring error (percent)	2 %
Material	Measurement unit: PC/ABS plastic
Battery	Rechargeable 1900 mAh LiPo battery
Battery life	18 h
Operating temperature range	0 – 45 °C
Display	None, Smartphone or tablet needed
Operating system	min. Android 9 min. Apple iOS 9
Software update	Via Apple AppStore and Google Play Store
Suitable operating devices	Android Tablet or Smartphone with min. Android 9 Apple iPad, iPhone with min. iOS 9
Laser type	None
Mounting	2x V-brackets (width 15 mm) with chains
Shaft diameter	20 to 160 mm
Shaft diameter with extension	Up to 320 mm with optional extension chains (not included)
Power adapter	Charging via micro USB 2.0 port (5V) Micro USB to USB charging cable included Compatible with standard 5V USB chargers (not included)
Degree of protection (IP)	IP 54
Certifications	Calibration certificate (2 years validity)
Part of a kit	no, but also available as TKSA 11/KIT380 or TKSA 11/KIT75
Case dimensions (l x h x w)	360 x 110 x 260 mm (14.2 x 4.3 x 10.2 in.)
Content	Measuring unit 3 Reference brackets with chains 480 mm (18.9 in) and rods 80 mm (3.1 in) Set 2 shaft brackets Micro USB to USB charging cable Measuring tape Certificate of calibration and

conformance
Quick start guide carrying case
SKF

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