

SKF TKSA 11

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



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

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 distance	0 to 185 mm between brackets
Measuring error (percent)	2 %
Material	Measurement unit: PC/ABS plastic
Battery	Rechargeable 1900 mAh LiPo battery
Battery life	18 h
Operating temperature range	32 – 113 °F
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: Android > 11; Apple iPad, iPhone: iOS > 18
Laser type	None

Mounting	2x V-brackets (width 15 mm) with chains
Shaft diameter	20 to 160 mm
Shaft diameter (with extension chains)	Up to 320 mm with optional extension chains (not included)
Maximum coupling height	2.1654 in
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)	14.2 x 4.3 x 10.2 in
Content	Measuring unit;3 Reference bars;Set of 2 shaft brackets with chains 480 mm (18.9 in) and rods 80 mm (3.1 in);Micro USB to USB charging cable;Measuring tape;Certificate of calibration and conformance;Quick start guide;SKF carrying case

Logistics

Country of Manufacturing (COM code)	18 - Germany
Product net weight	4.67 lb
eClass code	23-05-19-01
UNSPSC code	41112202

Compatible products

Type	Designation	Description	Qty
Parent product	TKSA 11/KIT380	Kit of a Shaft alignment tool and a Shims kit	1
Parent product	TKSA 11/KIT75	Kit of a Shaft alignment tool and a Shims kit	1
Spare part	TDTC 1/B	Spare tool case, size B, generic, no inlay, empty	1
Spare part	TKSA 11-MBH	Spare magnetic bar holder for Shaft alignment tool	1
Spare part	TKSA 11-RB	Spare set of reference bars for Shaft alignment tool	1
Spare part	TKSA 11-VBK	Spare standard bracket with two threaded rods and a standard chain for Shaft alignment tool	1
Accessory	TKSA 11-EBK	Accessory set of extendable brackets (2x) with 2 long and 2 short threaded rods (no chains) for Shaft alignment tool	1
Accessory	TKSA 51-EXT50	Accessory offset bracket 50 mm with two threaded rods for Shaft alignment tool	1
Accessory	TKSA 51-EXTCH	Accessory set of extension chains for Shaft alignment tool	1
Accessory	TKSA 51-ROD120	Accessory set of four threaded extension rods for Shaft alignment tool	1
Accessory	TKSA 51-ROD80	Accessory set of four threaded extension rods for Shaft alignment tool	1

Type	Designation	Description	Qty
Accessory	TKSA 51-SPDBK	Accessory spindle bracket with two rods for Shaft alignment tools	1
Accessory	TKSA 51-VBK	Spare standard bracket with two threaded rods, one chain, four magnets for Shaft alignment tools	1
Recommended tool	TKSA 31	Wired laser shaft alignment system	1
Recommended tool	TKSA 41	Wireless laser shaft alignment system	1
Recommended tool	TKSA 51	Wireless laser shaft alignment system for tablets and smartphones (iOS + Android)	1
Recommended tool	TKSA 71	High end shaft alignment tool	1
Recommended tool	TKSA 71/PRO	High end shaft alignment tool with additional accessories and trolley case	1
Recommended tool	TMAS 50/KIT	Machinery shims kit	1
Recommended tool	TMAS 75/KIT	Machinery shims kit	1
Recommended tool	TMAS 100/KIT	Machinery shims kit	1
Recommended tool	TMAS 340	Machinery shims kit	1
Recommended tool	TMAS 360	Machinery shims kit	1
Recommended tool	TMAS 380	Machinery shims kit	1
Recommended tool	TMAS 510	Machinery shims kit	1
Recommended tool	TMAS 720	Machinery shims kit	1