

SKF TKSA 51

Wireless laser shaft alignment system for tablets and smartphones (iOS + Andro



The TKSA 51 provides high measurement flexibility and performance, suitable for entry-level to expert alignment jobs. Designed to work with the SKF shaft alignment apps on a tablet or smart phone, this intuitive tool is easy to use and requires no special training. The included accessories enable use of the TKSA 51 for a wide range of alignment applications with horizontal and vertical shafts, such as motors, drives, fans, pumps, gearboxes and more. The apps include tutorial videos to show operators how to perform accurate measurements.

Technical specifications

Properties	
Alignment methods	3 position measurement 9 -12 -3;Automatic measurement;Free measurement (only 40° shaft rotation needed)
Recommended applications	Horizontal shafts;Vertical shafts;Soft foot
Live correction values	Vertical and horizontal
Special features	Machine library;Pictures in reports;QR code reading;Target values;Disturbance compensation;Free 3D machine view;Screen rotation on tablets;Automatic .pdf report
Sensors	20 mm PSD;Inclinometer $\pm 0.1^\circ$
Communications	Bluetooth 4.0 LE
Measurement distance	0.07 to 5 m
Measuring error (percent)	1 %
Material	Measurement units: anodized aluminum front and PC/ABS plastic back cover
Battery	Measuring units: rechargeable 2000mAh Li-ion battery
Battery life	10 h
Operating temperature range	Array °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	Red line
Mounting	2x V-brackets (width 15 mm) with chains and magnets
Shaft diameter	20 to 150 mm
Shaft diameter (with extension chains)	Up to 450 mm with extension chains (included)
Maximum coupling height	45 mm
Maximum coupling height with extension	170 mm
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 51/KIT360
Case dimensions (l x h x w)	360 x 110 x 260 mm
Content	Set of 2 Measuring units (M and S);Set of 2 shaft brackets with chains 480 mm (18.9 in) and threaded rods 80 mm (3.2 in) and magnets;Set of 4 threaded extension rods 120 mm (4.7 in);Set of 2 extension chains 980 mm (38.6 in);Micro USB to USB split charging cable;Measuring tape;Set of 2, A5 sheets with 6 QR code stickers per sheet (total of 12 stickers);Certificate of calibration and conformance;Quick start guide;SKF carrying

Logistics

Product net weight	3.02 kg
eClass code	23-05-19-01
UNSPSC code	41112202