



Image may differ from product. See technical specification for details.

- Extensive range of accessories is available



Overview

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 ±0.1°
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	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 with min. Android 9

Logistics

Product net weight	6.66 lb
eClass code	23-05-19-01
UNSPSC code	41112202

	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	1.7717 in
Maximum coupling height with extension	6.6929 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 51/KIT360
Case dimensions (l x h x w)	14.2 x 4.3 x 10.2 in
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 case

Compatible products

Parent product

Spare part

Shaft alignment tool + Shim kit

[TKSA 51/KIT360](#)

Spare measuring unit M (Moveable) for Shaft alignment tool

[TKSA 51-M](#)

Spare measuring unit S (Stationary) for Shaft alignment tool

[TKSA 51-S](#)

Spare standard bracket with two threaded rods, one chain, four magnets for Shaft alignment tools

[TKSA 51-VBK](#)

Accessory

Spare set of five sheets of stickers with 6x QR codes per sheet (total of 30x unique stickers)

[TKSA 41-QR](#)

Accessory offset bracket 50 mm with two threaded rods for Shaft alignment tool

[TKSA 51-EXT50](#)

Accessory set of four threaded extension rods for Shaft alignment tool

[TKSA 51-ROD120](#)

Accessory set of four threaded extension rods for Shaft alignment tool

[TKSA 51-ROD80](#)

Accessory sliding adjustment bracket for Shaft alignment tool

[TKSA 51-SLDBK](#)

Accessory spindle bracket with two rods for Shaft alignment tools

[TKSA 51-SPDBK](#)

Accessory set of 2 magnetic bases for use with offset brackets only for Shaft alignment tool

[TKSA MAGBASE](#)

Recommended tool

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

[TKSA 11](#)

Wired laser shaft alignment system

[TKSA 31](#)

High end shaft alignment tool

[TKSA 71](#)

High end shaft alignment tool with additional accessories and trolley case

[TKSA 71/PRO](#)

Machinery shims kit

[TMAS 50/KIT](#)

Machinery shims kit

[TMAS 75/KIT](#)

Machinery shims kit

[TMAS 100/KIT](#)

Machinery shims kit

[TMAS 340](#)

Machinery shims kit

[TMAS 360](#)

Machinery shims kit

[TMAS 380](#)

Machinery shims kit

[TMAS 510](#)

Machinery shims kit

[TMAS 720](#)



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