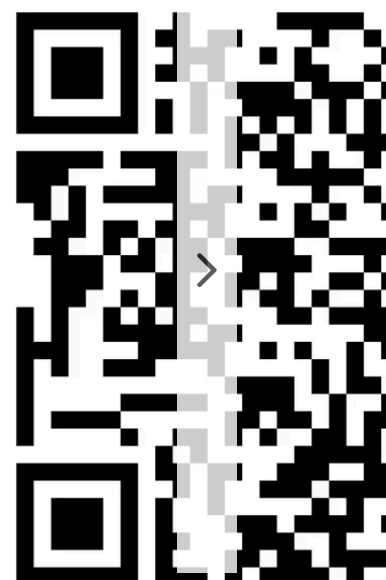




Image may differ from product. See technical specification for details.



TKSA 71

High end shaft alignment tool

The TKSA 71 is designed for alignments in harsh industrial environments and offers a variety of features for alignment experts. The instrument is very versatile with ultra-compact measuring units for use in extremely narrow spaces. Its dedicated software applications allow convenient alignments of different types of applications, including horizontal and vertical shafts, spacer shafts, and machine trains.

- Intuitive software applications
- Guided alignment processes and explanatory videos
- Comprehensive accessories and dedicated software applications
- Up to 10 m measurement distance, disturbance compensation and full measurement flexibility
- Only 40° of shaft rotation needed, automatic measurement mode and customised alignments with target values
- Protection against harsh environments (IP 67)
- Ultra-compact measuring units allow alignments in extremely narrow spaces
- Free apps and demonstration mode and tutorial videos for performing alignments
- Robust trolley case and wireless in-case charging

Oversigt

Properties

Alignment methods	3 position measurement 9 -12 -3 Automatic measurement Free measurement (only 40° shaft rotation needed)
Recommended applications	Horizontal shafts Vertical shafts Machine trains Spacer shafts Soft foot Values
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 10 m
Measuring error (percent)	1 %
Material	Measurement units: anodized aluminum front and PC/ABS plastic back cover
Battery	Measuring units: rechargeable 1000 mAh Li-ion battery
Battery life	8 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	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	165 mm
Power adapter	Wireless charging via supplied charging pods Micro USB to USB split charging cable included Compatible with standard 5V USB chargers (not included)
Degree of protection (IP)	IP 67 for measuring units and carrying case
Certifications	Calibration certificate (2 years validity)
Part of a kit	no, but also available as TKSA 71/KIT380 or TKSA 71/KIT720
Case dimensions (l x h x w)	365 x 170 x 295 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 1 m (3.3 ft) Micro USB to USB split charging cable Set of 2 wireless charging pads Measuring tape Certificate of calibration and conformance Quick start guide Carrying case

Logistics

Country of Manufacturing (COM code)	18 - Germany
Product net weight	4.33 kg
eClass code	23-05-19-01
UNSPSC code	41112202

Kompatible produkter

Parent product

Kit of a Shaft alignment tool and a Shims kit	TKSA 71/380
Kit of a Shaft alignment tool and a Shims kit	TKSA 71/720

Spare part

Spare set of five sheets of stickers with 6x QR codes per sheet (total of 30x unique stickers)	TKSA 41-QR
Accessory set of extension chains for Shaft alignment tool	TKSA 51-EXTCH
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
Spare standard bracket with two threaded rods, one chain, four magnets for Shaft alignment tools	TKSA 51-VBK
Spare measuring unit M (Moveable), including calibration certificate, for Shaft alignment tool	TKSA 71-M
Spare measuring unit S (Stationary), including calibration certificate, for Shaft alignment tool	TKSA 71-S
Spare set of 2 wireless charging pods, including split USB cable, for Shaft alignment tool	TKSA 71-WPODS

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
Wireless laser shaft alignment system for tablets and smartphones (iOS + Android)	TKSA 51
Wireless laser shaft alignment system	TKSA 41
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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