

SKF Shaft Alignment Tool TKSA 40

The intuitive laser shaft alignment tool allows results to be stored and shared

The TKSA 40 is intuitive in operation, thanks to its animated graphical interface. Not only is it quick and easy to use, but alignment results can be stored and shared using a USB cable via the PC. Compared to traditional methods, the shaft alignment process is greatly simplified; just follow the instructions on the screen to make a perfect alignment.

- **Intuitive:** Animated graphical interface on a 4 inch back-lit screen and alphanumeric key functions simplify the whole process
- **Alignment actions displayed:** Clear “real-time” coupling and feet values, given during the alignment process, makes alignment corrections quick and easy
- **Built-in alignment recommendation:** Pre and user definable tolerance tables greatly simplify assessment of the alignment
- **Alignment data sharing:** Alignment settings and results can be stored to the internal memory and downloaded via USB cable to a PC. Files are easily shared with others without the need of special software.
- **Soft foot check:** “Soft foot” function helps check if the machine is standing evenly on all feet; an essential check for good shaft alignment
- **Easy pre-alignment:** For machines that are grossly misaligned, the laser lines and scales enable rapid pre-alignment
- **Fast measuring unit positioning:** Measuring units are positioned fast and easy, by using the built-in spirit levels
- **Global use:** Language free menus and user selectable measurement units (mm or inch) facilitate use globally
- **Easy for all users:** A quick start guide and intuitive menus allows virtually any technician to quickly be familiar with the process. Full multi-lingual instructions are supplied on a CD



Technical data

Designation	TKSA 40
Applications	Horizontal single coupling alignment, soft foot check, tolerance check, storage of results
Measuring units:	
Housing material	ABS plastic
Type of laser	Diode laser
Laser wave length	670 - 675 nm
Laser class	2
Maximum laser power	1 mW
Distance between measuring units brackets	Maximum: 1000 mm (3.3 ft) Minimum: 70 mm (2.7 in)
Type of detectors	Single axis PSD, 8,5 × 0,9 mm (0.3 × 0.04 in)
Cable length	1,6 m (5.2 ft)
Dimensions	87 × 79 × 39 mm (3.4 × 3.1 × 1.5 in)
Weight	210 gram (7.3 oz)
Display unit:	
Housing material	ABS plastic
Display type	10 cm (4 in) monochrome backlit screen
Screen protection	Hard plastic
Battery type	3 × 1,5V LR14 Alkaline
Operating time	20 hours continuous
PC connection	USB
Displayed resolution	0,01 mm (1 mil in inch mode)
Dimensions	210 × 110 × 50 mm (8.3 × 4.3 × 2 in)
Weight	650 gram (22.9 oz)
Complete system:	
Contents	Display unit (batteries included) 2 measuring units with spirit levels 2 mechanical shaft fixtures 2 locking chains with tightening pin Measuring tape USB cable Quick Start Guide Calibration certificate valid for 2 years CD with instructions for use and instructional video Carrying case
PC download	Plug in to PC by USB socket
Memory	100 alignments
Softfoot check	Yes
Alignment tolerance check	Yes
User editable tolerances	Yes
Shaft diameter range	30 - 500 mm
Chain included for shaft diameters	30 - 150 mm (1.2 - 5.9 in)
Optional chain for shaft diameters	150 - 500 mm (5.9 - 20 in)
Accuracy of system	< 2% ± 0,01 mm
Temperature range	0 - 40 °C (32 - 104 °F)
Operating humidity	< 90 %
Carrying case dimensions	390 × 310 × 192 mm (15.4 × 12.2 × 7.6 in)
Total weight (incl. case)	4,9 kg (10.8 lbs)
Warranty	1 year

Intuitive graphical interface



Entering dimensions

Screen guided instruction



Live adjustment values

Easy result storage



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MP/PDS TKSA40 EN - November 2010

