

SKF Shaft Alignment Tool TKSA 20

The quick, easy and affordable laser shaft alignment tool

The TKSA 20 is an easy-to-use laser shaft alignment tool, which requires no special training to operate. Compared to traditional dial indicator methods, the shaft alignment process is greatly simplified, as no additional calculations are required in order to make the necessary adjustments.

- **Alignment actions displayed:** clear “real-time” coupling and feet values, given during the alignment process, makes alignment corrections quick and easy
- **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, simple three step process and user selectable measurement units (mm or inch) facilitate use globally
- **Easy for inexperienced users:** quick start guide allows virtually any technician to quickly be familiar with the process. Full multi-lingual instructions, instructional video and alignment report forms supplied on a CD
- The attractively priced TKSA 20 virtually assures a short payback time on the investment



Alignment



Technical data

Designation	TKSA 20
Applications	Horizontal single coupling alignment Soft foot check
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	Maximum: 850 mm (2.8 ft) Minimum: 70 mm (2.7 in)
Type of detectors	Single-axis PSD, 8,5 x 0,9 mm (0.3 x 0.04 in)
Cable length	1,6 m (5.2 ft)
Dimensions	87 x 79 x 39 mm (3.4 x 3.1 x 1.5 in)
Weight	210 g (7.3 oz)
Display unit:	
Housing material	ABS plastic
Display type	LCD 35 x 48 mm (1.4 x 1.9 in)
Battery type	2 x 1,5V LR14 Alkaline
Operating time	20 hours continuous
Displayed resolution	0,01 mm (0.1 mil in inch mode)
Dimensions	215 x 83 x 38 mm (8.4 x 3.2 x 1.4 in)
Weight	300 g (10.5 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 Quick start guide CD with instructions for use, instructional video and alignment reports on CD Calibration certificate valid for 2 years Carrying case
Shaft diameter range	30 - 500 mm (5.2 - 20 in)
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 x 310 x 147 mm (15.3 x 12.2 x 5.7 in)
Total weight (incl. case)	3,6 kg (7.9 lb)
Warranty	1 year



Live alignment results makes corrections easy



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