



Accurate shaft alignment helps you:

- Increase bearing life
- Reduce stress on couplings and thereby the risk of overheating and breakage
- Reduce wear on seals, helping to prevent contamination and lubricant leakage
- Reduce friction and thereby energy consumption
- Reduce vibration and noise
- Increase machinery uptime, efficiency and productivity
- Reduce costs of replacing components and machinery down time

Shaft alignment has never been easier, quicker and more affordable ...

The SKF ShaftAlign TMEA 2

Shaft misalignment is responsible for up to 50% of all costs related to rotating machinery breakdowns. These breakdowns increase unplanned machinery downtime, resulting in higher maintenance costs and loss of production. Additionally, misaligned shafts can increase vibration levels and friction, which significantly increase energy consumption and can cause premature bearing failures.

To help you prevent these breakdowns, SKF offers you a highly accurate, yet simple solution – ShaftAlign TMEA 2.

Pinpoint accurate alignment simply achieved



The SKF ShaftAlign, TMEA 2 utilises the latest laser technology for measuring and adjusting misalignment. Each of the two measuring units, which can easily be attached to the shafts using magnetic brackets or chains, emits a laser line, which is projected onto detector of the other unit. The display unit guides you through the alignment process by using a simple, three-step process: Measure, Align and Document. Since the display unit provides clear “real-time” values during the alignment process, rechecking the alignment is unnecessary.

User friendly, three-step process; measure-align-document, no training required:

The pre-set machine dimension values facilitate quick data input



Display unit simultaneously provides clear “real-time” coupling and feet values during alignment process making rechecking of the alignment unnecessary



“Soft foot” feature is shown on the digital display, which easily guides the operator through this function

Compact, ergonomically design display unit:



Display unit can be held using one hand, freeing the operator to perform the alignment



Only four buttons for operation, which simplifies the display unit



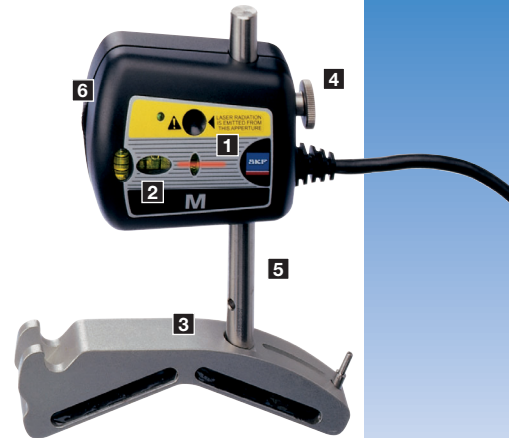
Magnetic brackets allow easy fixture of the measuring units onto the shaft

Pinpoint accuracy with latest laser technology:

- The laser line combined with the line scale makes pre-alignment easier

ShaftAlign, TMEA 2 is a complete kit; including:

- High precision SKF pre-cut shims for accurate alignment adjustment
- A set of blank alignment reports to help you keep record of your alignment activities
- Supplied in sturdy, light-weight carrying case for portability



- 1 Laser and scale lines for easy detection of the nature of misalignment
- 2 Spirit levels allow easy positioning of the measuring units
- 3 Magnetic brackets, also suitable for chain connection
- 4 “Quick lock screw” for easy and fast tightening in different heights of the measuring units
- 5 Accurately finished steel rod for maximum stability (available in different lengths)
- 6 Wheel for vertical fine laser line adjustment

Technical data

Designation	TMEA 2		
Measuring units:	ABS plastic	Operating time	20 hours continuous operation
Housing material	Diode laser	Displayed resolution	0,01 mm (0.1 mil for US version)
Type of laser	670 - 675 nm	Complete system:	
Laser wave length	2	Shaft diameter range	30 - 500 mm (1.2 - 20 in)
Laser class	1 mW	Magnetic	30 - 500 mm (1.2 - 20 in)
Maximum laser power	850 mm (2.8 ft)	Chain	30 - 150 mm (1.2 - 5.9 in)
Maximum distance between measuring units brackets	70 mm (2.7 in)	Optional chain	150 - 500 mm (5.9 - 20 in)
Minimum distance between measuring units brackets	Single axis PSD, 8,5 x 0,9 mm (0.3 x .04 in)	Accuracy of system	< 2% / ± 0,01 mm
Type of detectors		Temperature range	0 - 40 °C (32 - 104 °F)
Display unit:		Operating humidity	< 90 %
Housing material	ABS plastic	Carrying case dimensions	390 x 340 x 95 mm (15.4 x 13.4 x 3.7 in)
Display type	LCD 35 x 48 mm (1.4 x 1.9 in)	Total weight (incl. case)	3,7 Kg (8.1 lb)
Battery type	2 x 1,5V LR14 Alkaline	Calibration certificate	Valid for two years
		Warranty	12 months
Accessories			
TMEA C2	Extension chains set (900 mm / 2.9 ft.)	TMAS 360	Kit of 360 pre-cut machinery shims
TMEA F7	Set with 3 pairs of connection rods (short: 150 mm / 5.9 in, standard: 220 mm / 8.7 in, long: 320 mm / 12.6 in)	TMAS 720	Kit of 720 pre-cut machinery shims

In line with our policy of continuous development of our products we reserve the right to alter any part of the above specification without prior notice.

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SKF Maintenance Products

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