

- A Vertical angle misalignment
- **B** Horizontal angle misalignment
- C Parallel misalignment
- Correct alignment

## Accurate pulley and belt alignment helps you:

- Reduce wear on pulleys and belts
- Reduce friction and thereby energy consumption
- Reduce vibration and noise
- Increase bearing life
- Increase safety
- Increase machinery uptime
- Reduce costs of replacing components and machinery down time

## caused by misalignment is a thing of the past...

## With help from the SKF BeltAlign TMEB 2

One of the common reasons for unplanned downtime of belt-driven machinery is pulley misalignment. Pulley misalignment can increase wear on pulleys and belt as well as vibration and noise levels, which can result in unplanned machinery downtime. Another side effect of increased vibration is premature bearing failure. That too can cause unplanned machinery downtime.

Traditional methods, such as using the naked eye or a straight edge, are the most common alignment methods. However, these methods are inaccurate and require trial and error, which is time consuming.

To help you virtually eliminate downtime caused by pulley misalignment, SKF offers you its latest member of its precision laser alignment tools family -The BeltAlign TMEB 2.

## Pinpoint accuracy of the latest laser technology combined with operation simplicity

The SKF BeltAlign, TMEB 2, aligns the pulleys where it counts most – in the grooves. V-guides and powerful magnets allow the BeltAlign to be fitted in the grooves of the pulley. With only two components, a laser-emitting unit and a receiver unit, the BeltAlign is easy and fast to attach. The three-dimensional target area on the receiver unit allows the easy detection of misalignment as well as its nature; whether it is horizontal, vertical, parallel or a combination of all three. Armed with this precise information, the operator can easily make the appropriate adjustments until the laser line corresponds with the reference line on the receiver unit.



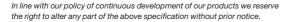
■ Pinpoint accuracy with latest laser technology:

Aligns grooves of the pulley rather than its face, allowing the alignment of pulleys of unequal width or with dissimilar faces - even fits applications where the pulley face cannot be used as a reference

 No trial and error. The laser position indicates the nature of misalignment allowing easy and accurate adjustment

- Versatile and user-friendly:
  - Powerful magnets allow fast and easy attachment
  - Easy-to-use, requires no special training to operate
  - Facilitates simultaneous adjustment of tension and alignment
  - V-guides facilitate the alignment of a wide range of V-belt pulleys
  - Special side adaptor allowing alignment of multi-ribbed and timing belt pulleys as well as chain sprockets is available as accessory
  - A maximum operating distance of 6 meters (20 ft), makes it suitable for use in various applications
- Sturdy aluminium housings provide great assembly stability and accuracy
- Supplied in sturdy, light-weight carrying case for portability

Technical data  Designation	TMEB 2		
Content  Housing material Type of laser Laser wave length Measurement distance Fixture Measurement accuracy angular Measurement accuracy linear	1 laser unit 1 receiver unit 3 sets of V guides Carrying case Extruded aluminium Diode laser, class 2, 1 mW 632 nm 50 mm to 6,000 mm (2 in to 20 ft) Magnetic Better than 0.2° Better than 0.5 mm	Dimensions laser unit Dimensions receiver unit Battery type  Battery lifetime Weight laser unit Weight receiver unit Calibration certificate Warranty	70 x 74 x 61 mm (2.8 x 2.9 x 2.4 in) 96 x 74 x 61 mm (3.8 x 2.9 x 2.4 in) 2 x 1.5V LR03 (AAA) batteries in laser unit 20 hours continuous operation 320 g (11.3 oz) 270 g (9.5 oz) Valid for two years 12 months
Accessory / spare parts			
TMEB A2 TMEB G2	Magnetic side adaptor for chain sprock Sets of V-guides, 3 different sizes	cet, multi-ribbed and timing belt pulle	eys



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