

SKF Belt Alignment Tool TMEB 2

Belt-driven machinery downtime caused by misalignment is a thing of the past

The SKF TMEB 2, aligns the pulleys where it counts most – in the grooves. V-guides and powerful magnets allow the TMEB 2 to be fitted in the grooves of the pulley. With only two components, a laser-emitting unit and a receiver unit, the belt alignment tool 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.



Versatile and user-friendly:

- Powerful magnets allow fast and easy attachment
- Easy-to-use, requires no special training to operate
- Three-dimensional target area simplifies the alignment process
- 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

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



Alignment



Technical data

Designation	TMEB 2
Content	1 laser unit 1 receiver unit 4 set of V guides Carrying case
Housing material	Extruded aluminium
Type of laser	Diode laser, class 2, 1 mW
Laser wave length	632 nm
Measurement distance	50 mm to 6,000 mm (2 in to 20 ft)
Fixture	Magnetic
Measurement accuracy angular	Better than 0,2°
Measurement accuracy linear	Better than 0,5 mm
Dimensions laser unit	70 × 74 × 61 mm (2,8 × 2,9 × 2,4 in)
Dimensions receiver unit	96 × 74 × 61 mm (3,8 × 2,9 × 2,4 in)
Battery type	2 × 1,5V LR03 (AAA) batteries in laser unit
Battery lifetime	20 hours continuous operation
Weight laser unit	320 g (11,3 oz)
Weight receiver unit	270 g (9,5 oz)
Calibration certificate	Valid for two years
Warranty	12 months

Accessory ordering details

Designation	Description
TMEB A2	2 × magnetic side adaptor for chain sprocket, multi-ribbed and timing belt pulleys
TMEB G2	Set of V-guides, 4 different sizes

© SKF is a registered trademark of the SKF Group
© SKF Group 2009

The contents of this publication are the copyright of the publisher and may not be reproduced (even extracts) unless prior written permission is granted. Every care has been taken to ensure the accuracy of the information contained in this publication but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of the use of the information contained herein.

MP/PDS TMEB2 EN • October 2009

www.mapro.skf.com • skf.com/mount • skf.com/lubrication

