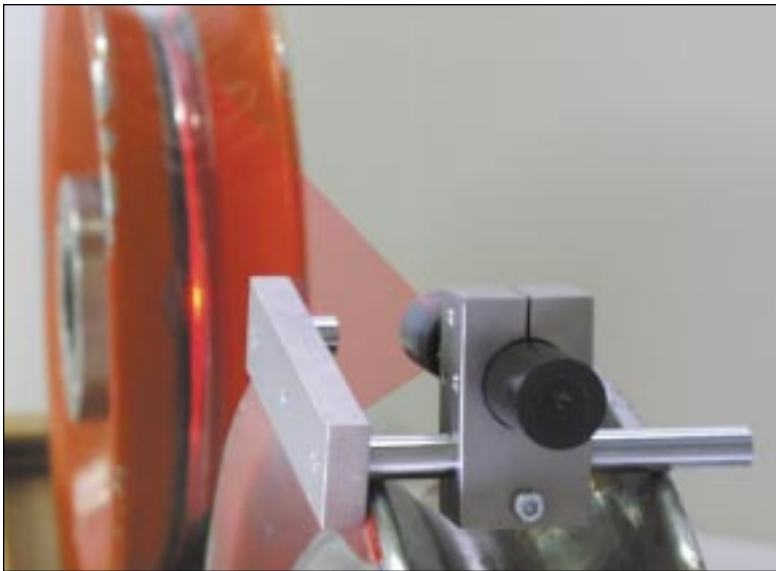


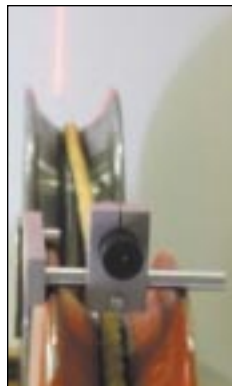


Alignment Tool for Rope Sheaves

The alignment tool for rope sheaves is designed to simplify the parallel alignment of rope sheaves and to rectify angle errors of rope sheaves, thus reducing wear on threading ropes. The tool is easy to use and is rapidly moved from one rope sheave to the next. It is equipped with a magnetic clamp that attaches to the outer surface of steel rope sheaves.



Alignment is quick and easy with a laser beam which fans out in an 80° angle.



Technical Specifications

Laser	Diode laser
Laser Wavelength	645 nm
Laser Grade	II (2)
Laser Output	3 mW
Temperature Range	32 - 113°F (0 - 45°C)
Battery	1 x R6 (AA) 1.5 volt alkaline
Frame Material	Nickel plated aluminium, chrome plated steel
Sender Material	Plastic, plastic coated steel
Dimensions of Alignment Tool	4 3/4 x 3 15/16 x 2 1/16 inches (120 x 100 x 52 mm)
Dimensions of Case	9 1/16 x 7 5/16 x 1 3/4 inches (230 x 185 x 45 mm)

Order Guide

Part No. RSL-01

Usage of Alignment Tool

Before mounting, all impurities that could cause misalignment or weaken the adhesion of the magnet must be removed from the surface of the rope sheave. The tool is mounted on an aligned rope sheave (1) and directed towards a rope sheave that still needs alignment (3)

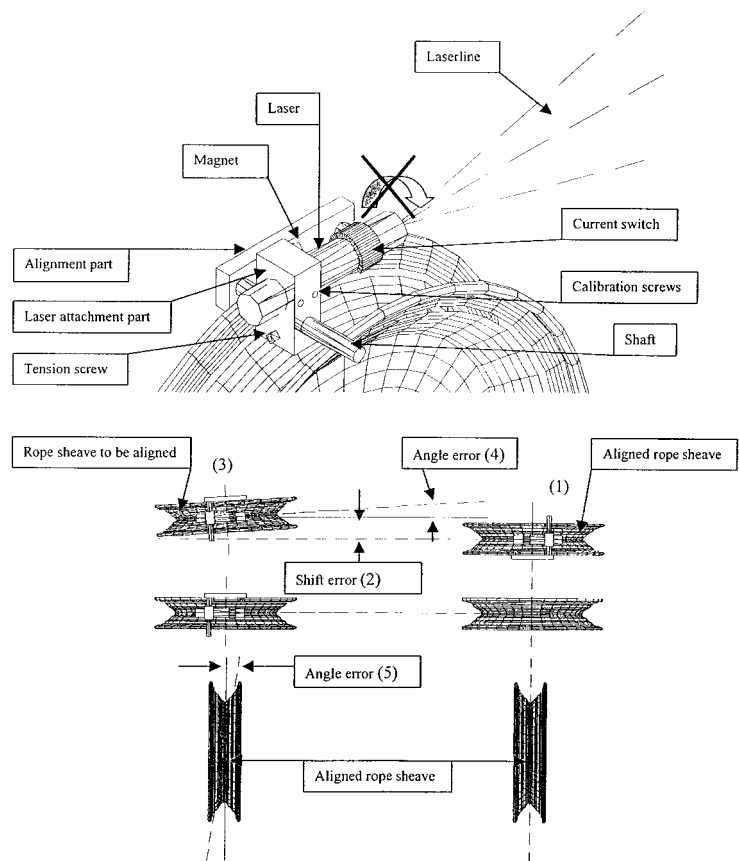
The laser is moved sideways on its guide until the laser line hits the centre of the rope groove in the aligned rope sheave. Centering is easily done by turning the laser in the attachment clamp towards the bottom of the rope groove and by touching the bottom with the tip of the laser. The rope sheave that is being aligned (3) is moved sideways until shift error (2) is corrected.

After this, the tool is mounted on the rope sheave that is being aligned (3). If necessary, the laser attachment clamp can be removed from the shaft and turned the other way around. The laser line is directed towards the aligned rope sheave (1), so that angle errors (4) are corrected. The angle difference (5) between the laser line and the aligned rope sheave appears vertically.

The rope sheave alignment tool is a precision measuring device and must be treated with care.

The laser should only be moved by handling the laser clamp. The laser should not be twisted or wrenched, otherwise the calibration of the device might be lost.

If necessary, set the tension screw of the laser attachment clamp so that the device is easy to use.



Safety

The laser diode used in the rope sheave alignment tool is a grade II (2) laser and consequently, requires the following safety measures:

- Do not look straight at the laser beam!
- Do not point the laser beam at another person's eyes!

The laser fulfills the requirements stated in EN 60825/11/92.

ALIGNMENT TOOL FOR ROPE SHEAVES

YOUR AREA REPRESENTATIVE

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