Easy-Laser® BTA
Measurement and Alignment Systems

SHEAVE / PULLEY ALIGNMENT
Quick and easy with “visual” reading

- Shows the parallel and angular misalignment between the sheaves.
- Much faster and more accurate than measuring with earlier, conventional methods.
- For both horizontal and vertical mounted machines.
- Alignment can be made by one operator.
- Also suitable for non-magnetic sheaves.

- Fits almost any kind of sheave:
  - V-BELTS
  - FLAT BELTS
  - TIMING BELTS
  - CHAIN DRIVES

Easy-Laser® BTA is the perfect tool for sheave and pulley alignment. Mounted in a few seconds, the laser line projected onto the targets allows you to quickly ascertain and correct the misalignment. It couldn’t be easier!
The tool is attached in a few seconds, and you can easily see the laser line projected on the targets. When the line lies in the slots of the targets, the machine is in the right position. The result is a fast, precise alignment.

**EASY FOR THE USER**

The targets are easily adjusted for pulleys with sheaves of different sheave face width.

**LARGE COST SAVINGS**

Transmissions with two or more belts, or wide belts, are highly affected by misalignment, causing large differences in belt tensions and also increased wear and tear on edges. When aligning with the Easy-Laser® BTA you reduce the wear on sheaves/pulleys, belts, bearings and seals as well as reducing vibration. Increased efficiency also means large energy cost savings.

**TECHNICAL SPECIFICATIONS**

Complete tool: Part Nr. 12-0415

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Laser transmitter</td>
<td>☍ 60 mm [2.5&quot;] and larger</td>
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<tr>
<td>Sheave diameter</td>
<td>60 mm [2.5&quot;]</td>
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<tr>
<td>Measurement distance</td>
<td>10 m [33 ft]</td>
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<tr>
<td>Battery type</td>
<td>1 x R6 (AA) 1.5 V</td>
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<tr>
<td>Battery operation</td>
<td>&gt;6 hours continuously</td>
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<tr>
<td>Laser class</td>
<td>2</td>
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<tr>
<td>Laser wavelength</td>
<td>635–670 nm</td>
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<tr>
<td>Housing material</td>
<td>ABS plastics/Hard anodized aluminium</td>
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<tr>
<td>Dimensions</td>
<td>145x86x30 mm [5.8”x3.4”x1.1”]</td>
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<tr>
<td>Weight</td>
<td>0.27 kg [8.6 oz]</td>
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<tr>
<td>Targets</td>
<td>2 pcs. magnet targets</td>
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**FOR ALL TYPES OF SHEAVE/PULLEY**

Easy-Laser® D90 BTA is attached to the side of the sheave/pulley and not to the belt groove. This means it is just as easy to adjust v-belt, flat belt and timing belt pulleys as chain wheels. The clever design of the anchor plate/reference surface ensures hassle-free alignment of both large and small sheaves/pulleys.

**ADD A DIGITAL DISPLAY UNIT**

Easy-Laser® D90 BTA has targets that are read “visually” and ensure excellent accuracy. That is enough for many users. If, in the future, you want to have a digital display and its associated benefits, you can purchase one of our detector units (shown below), which can detect the laser line from Easy-Laser® D90 BTA. Full expandability in true Easy-Laser® fashion!

**Authorized dealer**

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