# SKF TKBA 31

Belt alignment, pulley side, red laser, 2 laser units with belt measurement acces

The alignment tool has two components: a laser-emitting unit and a receiver unit. Each is attached quickly and easily – using a powerful magnet – to the inside or outside face of a belt pulley or chain sprocket. The tool can be applied to most machines that use V belts, banded belts and ribbed belts – as well as those with chain sprockets. The tool uses a green laser diode and can be used for long distances – including outdoors in sunny conditions. The alignment tool is delivered in a case with additional items like belt tension checkers and extra targets to support a professional alignment job.

## Technical specifications

| Dimensions | |
|---|---|
| Transmitter dimensions (l x h x w) | 98 x 97 x 52 mm |
| Target dimensions (l x h x w) | 98 x 97 x 52 mm |
| Case dimensions (l x h x w) | 360 x 110 x 260 mm |

| Performance | |
|---|---|
| Measurement distance | Array mm |

| Properties | |
|---|---|
| Recommended applications | Most machines using V belts, banded belts, ribbed belts, most other belts;Chain sprockets |
| Mounting | Magnetic, side mounted |
| Laser type | Visible green line laser |
| Laser wavelength | 520 nm |
| Laser power max | 1 mW |
| Laser line length (at 2 m) | 2.4 m |
| Measurement accuracy angular (at 2 m) | 0.02 ° |
| Measurement accuracy offset | 0.5 mm |
| Transmitter weight | 0.25 kg |
| Target type | Second transmitter unit or set of 3 passive targets |
| Target weight | 0.25 kg |
| Housing material | PC/ABS blend, overmoulded with TPU rubber |
| Colour | Blue;Dark Grey |
| Battery | 3x AAA (Alkaline (incl.) or Rechargable) |
| Battery life | 6 h |
| Degree of protection (IP) | IP 40 |
| Operating temperature range | Array °C |
| Recommended storage temperature | Array °C |
| Relative humidity | 10 to 90%, non-condensing |
| Content | 2x TKBA 31 transmitter units;3x passive targets;6x AAA batteries;1x pulley groove gauge;3x belt tension checkers;1x printed instructions for use;1x Carrying case (size B) |

| Logistics | |
|---|---|
| Product net weight | 1.79 kg |
| eClass code | 23-05-19-01 |
| UNSPSC code | 41112202 |