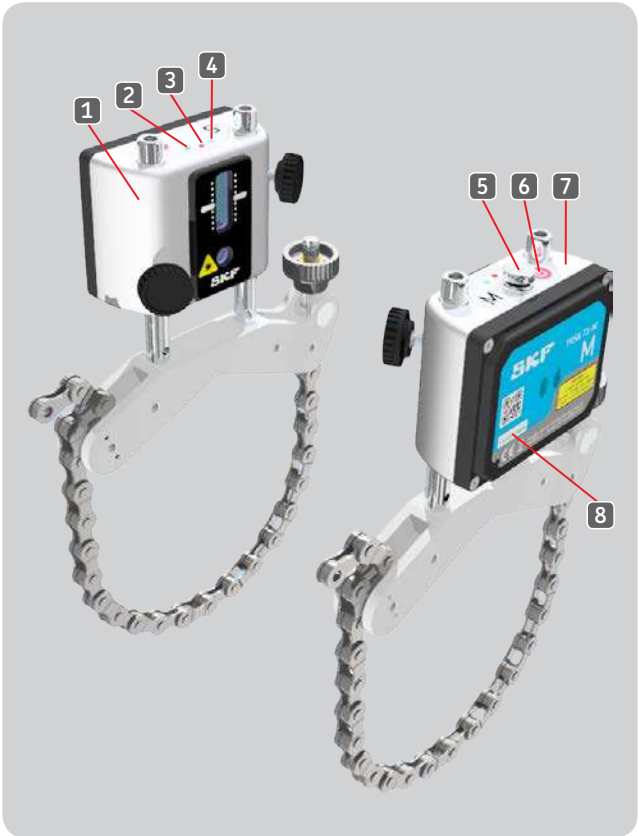


# SKF Shaft Alignment Tool TKSA 71

## Quick Start Guide

### 1. Description



1. Measuring unit S	5. Laser pitch
2. Connection blue LED	6. Power button
3. Charging red LED	7. Measuring unit M
4. Power on green LED	8. Serial number

## 2. Compatible display devices

- SKF TKSA DISPLAY (recommended)
- Devices with minimum Apple iOS 9: iPad Mini, iPad 3rd gen., iPod touch 5th gen., iPhone 4S
- Devices with minimum Android 4.4.2: Samsung Galaxy Tab Active, Galaxy Tab 4.0, Galaxy S4

## 3. Installing the apps

The SKF Shaft Alignment Tool TKSA 71 is available with multiple apps.

### Note:

These apps are pre-installed and ready to use on the SKF TKSA DISPLAY device.

1. Turn on Wi-Fi and connect to an internet network
2. Tap the App Store icon (iOS)



or Google Play Store icon (Android)



3. Tap the search area
4. Enter “SKF TKSA 71”
5. Select the app you want to install
6. Tap “GET” (iOS only) and then “INSTALL”
7. Repeat to install the other apps available



## 4. SKF alignment apps available



**Shaft Alignment app**  
Alignment of machines with horizontal shafts



**Vertical Shaft app**  
Alignment of machines with vertical shafts



**Spacer Shaft app**  
Alignment of machines with spacer shafts



**Machine Train app**  
Alignment of machine trains



**Soft Foot app**  
Identification and correction of soft foot



**Values app**  
Use measuring heads like digital dial gauges

## 5. Support

### a. Instructions for use

Complete instructions for use for the apps and the hardware can be found in:

Help section of the apps

and [SKF.com/Alignment](http://SKF.com/Alignment)



### b. Technical support

SKF Technical Support website link is available in the help section the apps. Please visit [www.skf.com/cm/tsg](http://www.skf.com/cm/tsg) to find help or file a support request.

### c. Videos

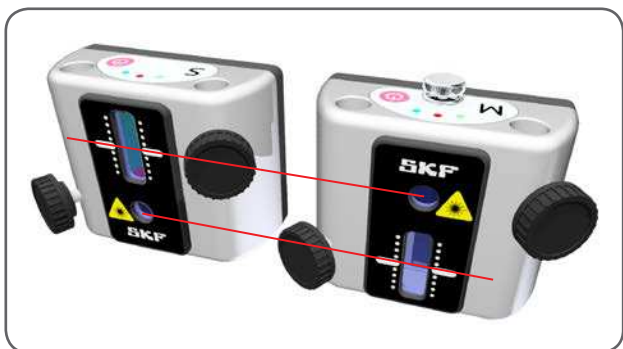
Short instructional videos are available in the help section of the apps.

More videos can be found on SKF Maintenance Products YouTube page: [www.mapro.skf.com/youtube](http://www.mapro.skf.com/youtube)

## 6. Mounting the measuring units



Mount the Measuring unit M on the Moveable machine.  
Mount the Measuring unit S on the Stationary machine.



Adjust the measuring units angles and the laser lines to the middle of the detectors using the “Sensor Status” page in the apps.



The TKSA 71 can be mounted directly on couplings when needed.



## Safety recommendations

- The complete instructions for use are available on SKF.com and within the SKF TKSA 71 app.
- Read and follow all warnings in this document before handling and operating the equipment. You can be seriously injured, equipment and data can be damaged if you do not follow the safety warnings.
- Always read and follow the operating instructions.
- The equipment should not be used in areas where there is a risk for explosion.
- The tool uses two laser diodes with an output power below 1mW. Still, never stare directly into the laser transmitter.
- Never aim the laser line into someone's eyes.
- The Measuring Units contains Lithium Polymer battery. Do not expose the device to extreme heat.
- Do not charge the Measuring units below +4 °C (+40 °F) or above +45 °C (+113 °F).
- Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing, and gloves away from moving parts.
- Do not overreach. Keep proper footing and balance at all times to enable better control of the device during unexpected situations.
- Use safety equipment. Non-skid safety shoes, hard hat or hearing protection must be used for appropriate conditions.
- Never work on energized equipment unless authorized by a responsible authority. Always turn off the power of the machine before you start.
- Do not expose the equipment to rough handling or impacts this will void the warranty.
- Avoid direct contact with water, wet surfaces, or condensing humidity.
- Do not attempt to open the device.
- Use only accessories that are recommended by SKF.
- Device service must be performed only by qualified SKF repair personnel.
- We recommend calibrating the tool every 2 years.



## EC Declaration of conformity

We,

SKF Maintenance Products  
Kelvinbaan 16  
3439 MT Nieuwegein  
The Netherlands

herewith declare that the following product:

### SKF Shaft Alignment Tool TKSA 71

has been designed and manufactured in accordance with:  
EMC DIRECTIVE 2014/30/EU as outlined in the harmonized norm  
EN 61326-1:2013  
EN 55011:2009 +A1:2010  
IEC 61000-4-2:2009  
IEC 61000-4-3:2006 +A1:2008 +A2:2010

EUROPEAN ROHS DIRECTIVE 2011/65/EU

The laser is classified in accordance with the EN 60825-1:2007.  
The laser complies with 21 CFR 1040.10 and 1040.11 except for  
deviations pursuant to Laser Notice No. 50, dated June 24, 2007.

The enclosed device complies with Part 15 of the FCC Rules.  
47CFR: 2011 Part 15 Sub Part B Unintentional Radiators  
Contains FCC ID: QOQBLE112  
Certification Number: IC: 5123A-BGTBLE112  
Manufacturer's Name, Trade Name or Brand Name: bluegiga  
Model Name: BLE112-A

Nieuwegein, The Netherlands,  
July 2016



Sébastien David  
Manager Product Development and Quality

## SKF Maintenance Products

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