

SKF Shaft Alignment System Accessories

Accessories for TKSA 60 V2 and TKSA 80 V2

TKSA 60-DISPLAYUNIT

Display unit for TKSA 60

The TKSA 60 display unit is an extremely rugged, wireless handheld computer that can be used in harsh environments. Together with the measuring units, it provides a built-in step-by-step alignment process, from preparation, inspection and evaluation through correction, reporting and analysis.

Specifications

- Display: 10,9 cm (4.3 in.) backlit color LCD, daylight viewable
- Power: Rechargeable Li-ion battery and external power supply
- Operating time on battery: Typical 10 hours continuous operation
- Storage memory: 64 MB
- Housing: PC/ABS plastic with integrated lockable stand
- Dimensions (height × width × depth): 234 × 132 × 48 mm (9.2 × 5.2 × 1.9 in.)
- Weight: 680 g (23.9 oz.)
- Environment protection: IP 65
- Connectivity: Low-power, industrial wireless network, 802.15.4 compliant
 - USB: Host v1.1, device v1.1
- Drop test: 1,2 m (3.9 ft.) to MIL-STD-810F



Ordering information

- TKSA 60-DISPLAYUNIT Display unit for TKSA 60.



TKSA 80-DISPLAYUNIT

Display unit for TKSA 80

The TKSA 80 is designed to assist users with managing the alignment process for any rotating machinery, which helps prevent decreased production caused by machine misalignment and promotes reduced energy consumption and increased operating lifespan.

Specifications

- Display: 17,8 cm (7.0 in.) backlit color LCD, daylight viewable with touchscreen and keypad
- Power: Rechargeable Li-ion battery and external power supply
- Operating time on battery: Typical 10 hours continuous operation
- Storage memory: 64 MB
- Housing: PC/ABS plastic with integrated lockable stand
- Dimensions (height × width × depth): 276 × 160 × 53 mm (10.9 × 6.3 × 2.1 in.)
- Weight: 1 060 g (37.4 oz.)
- Environment protection: IP 65
- Connectivity: Low-power, industrial wireless network, 802.15.4 compliant
 - USB: Host v1.1, device v1.1
- Drop test: 1,2 m (3.9 ft.) to MIL-STD-810F



Ordering information

- **TKSA 80-DISPLAYUNIT** Display unit for TKSA 80.

TKSA 60/80 V2-HA/HB

Measuring units for TKSA 60 and TKSA 80

The TKSA 60/80 V2-HA/HB are measuring units for both the TKSA 60 and TKSA 80 units. Measuring unit A has a button on the top of the unit for fine tuning.

Specifications

- Type of laser: Red diode laser
- Laser wavelength: 635 nm
- Laser safety class: Class II
- Laser output power: < 1 mW
- Displacement measurement accuracy: $\pm 5 \mu\text{m}$, $\pm 0,5\%$
- Detector: Linear CCD with length 36 mm (1.4 in.)
- Relative accelerometer accuracy*: $\pm 0,1^\circ$ (at 24 °C / 75 °F)
- Accelerometer resolution: 0,1°
- Thermal sensors: $\pm 2 \text{ }^\circ\text{C}$ ($\pm 3,5 \text{ }^\circ\text{F}$)
- Housing material: Chassis, aluminum sides, glass filled PBT
- Dimensions (height × width × depth): 96 × 93 × 36 mm (3.8 × 3.7 × 1.4 in.)
- Weight: 326 g (11.5 oz.)
- Environment protection: IP 65
- Ambient light protection: Optical filtering and ambient light signal rejection
- Power supply: Two (2) AA alkaline batteries or rechargeable battery

* Relative accelerometer accuracy is the difference between the angles reported by the two measurement units when held at the same absolute angle.



Ordering information

- **TKSA 60/80 V2-HA/HB** Measuring units A and B.

TKSA 80-TRANSITCASE

TKSA 80 transit case

This transit case is used with the TKSA 80.



Ordering information

- TKSA 80-TRANSITCASE TKSA 80 transit case.

TKSA 60/80-ROD90

90 mm rods (set of four)

These 90 mm (3.5 in.) rods, which are used with brackets, can be screwed together to increase the length.



Ordering information

- TKSA 60/80-ROD90 90 mm (3.5 in.) rods – set of four.

TKSA 60-TRANSITCASE

TKSA 60 transit case

This transit case is used with the TKSA 60.



Ordering information

- TKSA 60-TRANSITCASE TKSA 60 transit case.

TKSA 60/80-ROD150

150 mm rods (set of four)

These 150 mm (5.9 in.) rods, which are used with brackets, can be screwed together to increase the length.



Ordering information

- TKSA 60/80-ROD150 150 mm (5.9 in.) rods – set of four.

TKSA 60/80-STDCHAIN

400 mm chain (set of two)

These 400 mm (15.7 in.) chains, with pivot and tightening pin, are used for securing the measuring units onto the shaft.



Ordering information

- TKSA 60/80-STDCHAIN 400 mm (15.7 in.) chain – set of two.

TKSA 60/80 V2-VBK

Standard V-bracket (set of two)

These V-brackets are used for mounting the measuring units onto the shafts with Heli-Coil screw inserts to protect and strengthen the threads.



Ordering information

- TKSA 60/80 V2-VBK Standard V-bracket – set of two.

TKSA 60/80-EXTCHAIN

500 mm chain (set of two)

These 500 mm (19.7 in.) chains can be used together with the standard chains for a shaft with a larger diameter.



Ordering information

- TKSA 60/80-EXTCHAIN 500 mm (19.7 in.) chain – set of two.

TKSA 60/80 V2-MAGVBK

Magnetic V-bracket (set of two)

The magnetic V-bracket is used for shafts with limited spaces where a normal chain and bracket cannot be used. The bracket contains Heli-Coil screw thread inserts to protect and strengthen the threads.



Ordering information

- TKSA 60/80 V2-MAGVBK Magnetic V-bracket – set of two.

TKSA 60/80-SLDBKT

Pair of sliding wheels

The pair of sliding wheels is used with standard V-brackets for a non-rotating shaft. (The bracket in the picture below is not included)



Ordering information

- TKSA 60/80-SLDBKT Pair of sliding wheels.

TKSA 60/80-MAGBASE

Magnetic base (set of two)

The magnetic base is used for mounting the measuring unit onto a large diameter shaft. It has a machined surface and a Heli-Coil screw thread insert to protect and strengthen the threads. It is supplied with a pair of M8 x 20 mm socket head cap screws. The magnetic base can be used together with offset brackets (as seen in the picture on the right).



Ordering information

- TKSA 60/80-MAGBASE Magnetic base (set of two) with M8 x 20 mm fixing screws.

TKSA 60/80-TOMMYBAR

Tommy bar

The Tommy bar tool is used for securing the rods on the brackets and tightening the chains on the shafts.



Ordering information

- TKSA 60/80-TOMMYBAR Tommy bar.

TKSA 60/80-USBCABLE

USB-A to Mini-B cable, 1 m (3.3 ft.)

This cable is used for connecting the display unit to the PC.



Ordering information

- TKSA 60/80-USBCABLE USB-A to Mini-B cable, 1 m (3.3 ft.)

TKSA 60/80 V2-EXT50

50 mm offset brackets (set of two)

These 50 mm (2.0 in.) offset brackets are used for mounting the measuring units in limited spaces and contain Heli-Coil screw thread inserts to protect and strengthen the threads. These brackets can be used together with the standard V-brackets, magnetic V-brackets and magnetic base (as shown in the picture on the right).



Ordering information

- TKSA 60/80 V2-EXT50 50 mm offset brackets – set of two.

TKSA 60-BATT

Battery for TKSA 60

This battery is for use with the TKSA 60 unit.



Ordering information

- TKSA 60-BATT Battery for TKSA 60.

TKSA 60/80 V2-EXT100

100 mm offset brackets (set of two)

These 100 mm (3.9 in.) offset brackets are used for mounting the measuring units in limited spaces and contain Heli-Coil screw thread inserts to protect and strengthen the threads.



Ordering information

- TKSA 60/80 V2-EXT100 100 mm offset brackets – set of two.

TKSA 80-BATT

Battery for TKSA 80

This battery is for use with the TKSA 80 unit.



Ordering information

- TKSA 80-BATT Battery for TKSA 80.

TKSA 60-EXTCHARGDU

External charger for TKSA 60-BATT

This external charger is for use with the TKSA 60-BATT battery. The external charger can also be plugged into a car charger.



Ordering information

- TKSA 60-EXTCHARGDU External charger for TKSA 60-BATT.

TKSA 60/80-PSU

Universal power supply

The TKSA 60/80-PSU universal power supply includes USA, United Kingdom, Australian and European adapter plugs.



Ordering information

- TKSA 60/80-PSU Universal power supply.

TKSA 80-EXTCHARGDU

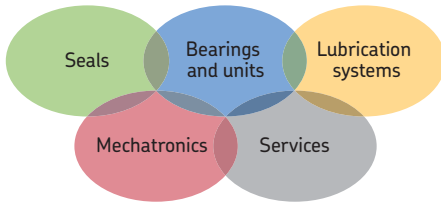
External charger for TKSA 80-BATT

This external charger is for use with the TKSA 80-BATT battery. The charger includes USA, United Kingdom, Australian and European adapter plugs.



Ordering information

- TKSA 80-EXTCHARGDU External charger for TKSA 80-BATT.



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