

Exchanging of traction sheave

Conical shaft

Disassembly:

- Switch off power supply, secure car and counterweight
- Remove load from traction sheave by discarding the ropes, secure traction sheave to hoist by means of rope.
- Remove screws on fastening disk of traction sheave and loosely screw them in outer hole circle of disk in traction sheave hub.
- Clamp spacer (approx. 5 — **10mm** thick) between shaft end and disk.
- Remove traction sheave from shaft by alternately and evenly tightening the screws.

Assembly:

- Clean shaft end and drilled hole of traction sheave; never make any dimensional changes in feather key, groove, shaft or drilled holes.
- Do not grease or oil shaft and drilled hole.
- Fit new traction sheave to conical shaft end of worm wheel shaft.
- Bring position of feather key and groove in line,
- Slide traction sheave on worm wheel shaft.
- Screw disk with new screws (micro-encapsulated) and detent edged rings in inner hole circle of disk. Tighten screws alternately and uniformly until they cannot be tightened anymore, and the pre-set torque is achieved.
- **Attention danger:** if the traction sheave is assembled incorrectly it can work loose.
- See to it that screws are tightened and check tightening torque!