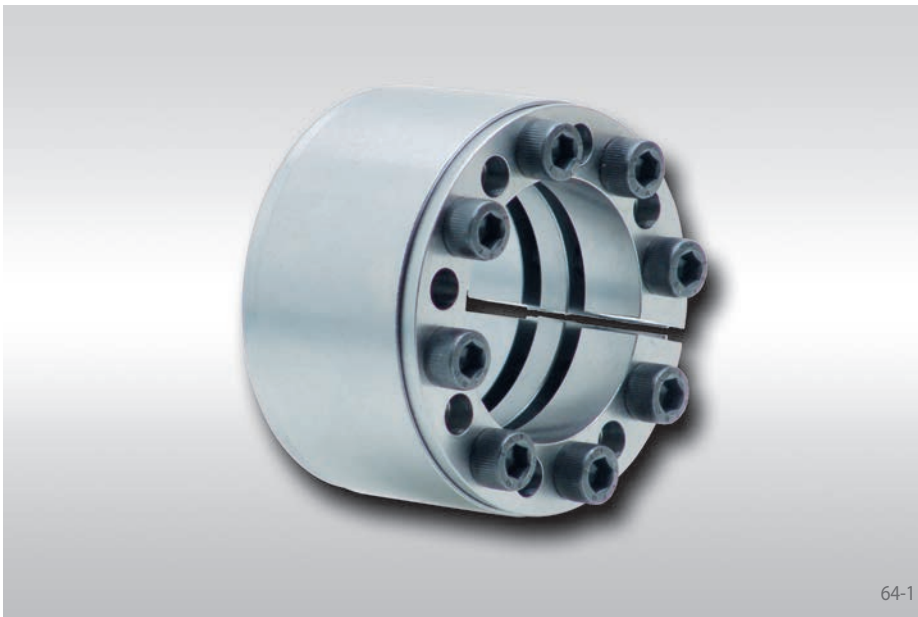


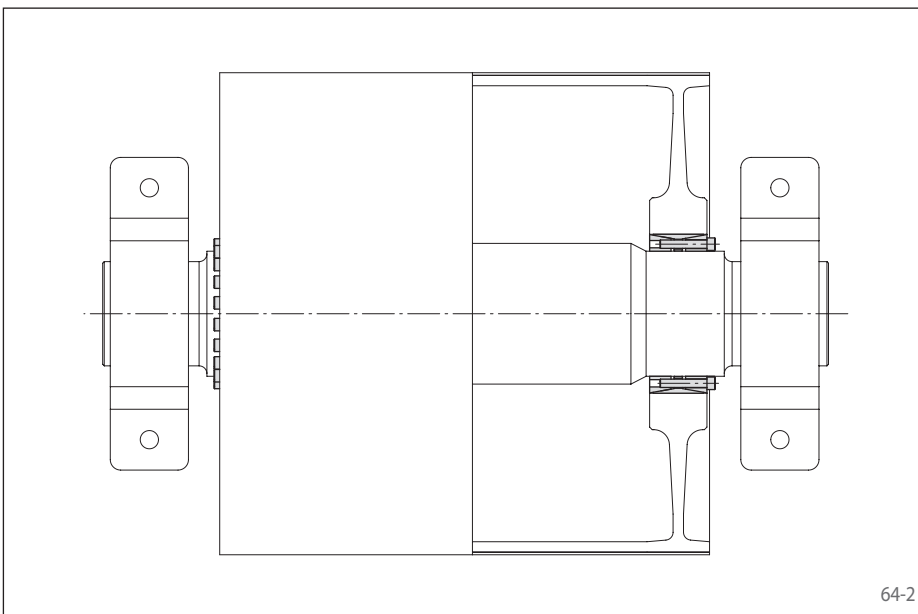
# Cone Clamping Elements RLK 404

centres the hub to the shaft  
high transmissible torques



## Features

- Centres the hub to the shaft
- High transmissible torques
- No axial displacement between hub and shaft during clamping procedure
- Transmissible torque of 7000 Nm up to 1206000 Nm
- For shaft diameters between 70 mm and 600 mm



## Application example

Backlash free attachment of a belt drum to the drive shaft of a conveyor belt with an Cone Clamping Element RLK 404. The Cone Clamping Element centres the belt drum on the drive shaft. As no axial shift occurs during the clamping process, the axial position of the belt drum in relation to the drive shaft remains unchanged.

## Transmissible torques and axial forces

The transmissible torques or axial forces listed on the following page are subject to the following tolerances, surface characteristics and material requirements. Please contact us in the case of deviations.

### Tolerances

- h8 for shaft diameter d
- H8 for hub bore D

### Surfaces

Average surface roughness at the contact surfaces between the shaft and the hub bore:  
 $R_z = 10 \dots 25 \mu\text{m}$ .

### Materials

The following apply to the shaft and the hub:

- E-module  $\geq 170 \text{ kN/mm}^2$

## Installation

Please request our installation and operating instructions for Cone Clamping Elements RLK 404.

## Simultaneous transmission of torque and axial force

The transmissible torques M which are shown in the tables apply for axial forces  $F = 0 \text{ kN}$  and conversely, the indicated axial forces F apply to torques  $M = 0 \text{ Nm}$ . If torque and axial force are to be transmitted simultaneously, the transmissible torque and the transmissible axial force are reduced. Please refer to the technical points on pages 72 and 73.

## Example for ordering

Cone Clamping Element RLK 404 for shaft diameter  $d = 100 \text{ mm}$ :

- RLK 404, size 100 x 145  
Article number 4205-100401-000000

