Cone Clamping Elements RLK 132

centres the hub to the shaft
short axial width

Features

- Centres the shaft to the hub
- High transmissible torques
- Short axial width
- Transmissible torque of 580 Nm up to 83 500 Nm
- For shaft diameters between 20 mm and 200 mm

Application example

Backlash free connection of a belt pulley to the drive shaft with a Cone Clamping Element RLK 132. The Cone Clamping Element also centres the pulley to the shaft. The compact Cone Clamping Element is a cost-efficient solution especially for applications with low space requirements.

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: Rz = 10 … 25 µm.

Materials

The following apply to the shaft and the hub:

- E-module ≥ 170 kN/mm²

Installation

Please request our installation and operating instructions for Cone Clamping Elements RLK 132.

Simultaneous transmission of torque and axial force

The transmissible torques M which are shown in the tables apply for axial forces F = 0 kN and conversely, the indicated axial forces F apply to torques M = 0 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 132 for shaft diameter d = 100 mm:

- RLK 132, size 100 x 145
- Article number 4204-100201-000000
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