Cone Clamping Elements RLK 235 TC

Premium quality for high centering accuracy
Can be assembled multiple times

Features
- Centres the shaft to the hub
- Can be assembled multiple times
- Highest transmissible torque
- No axial displacement between hub and shaft during clamping procedure
- Highest machining quality
- Transmissible torque of 8510 Nm up to 1,049,600 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 235 TC. 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.

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 in catalogue „Shaft-Hub-Connections“.

Example for ordering
Cone Clamping Element RLK 235 TC for shaft diameter d = 100 mm:
- RLK 235 TC, Größe 100 x 150
  Article number 4204-100501-TC0000

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 235 TC.

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