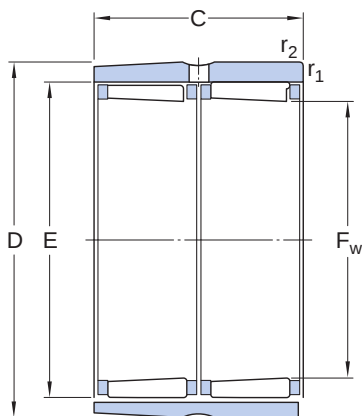


RNAO 20X28X26

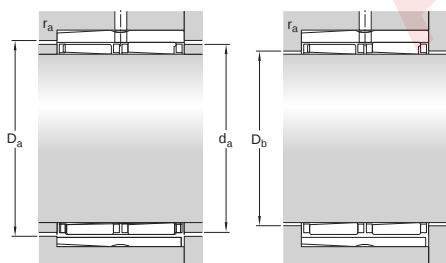
Double row needle roller bearings without an inner ring and without flanges consist of an outer ring with two needle roller and cage assemblies. They are an excellent choice for compact bearing arrangements in applications where hardened and ground raceways can be provided on the shaft. Bearings without flanges on the outer ring are separable, i.e. the outer ring and the needle roller and cage assemblies can be mounted separately. The outer ring includes features to facilitate relubrication.



- High radial load carrying capacity
- High stiffness and low cross-sectional height
- Accommodate axial displacement in both directions
- Separable design
- Enable a larger shaft diameter and a more rigid bearing arrangement



| Dimensions       |             |                              |
|------------------|-------------|------------------------------|
| F <sub>w</sub>   | 20 mm       | Diameter under rollers       |
| D                | 28 mm       | Outside diameter             |
| C                | 26 mm       | Width                        |
| E                | 24 mm       | Raceway diameter outer ring  |
| r <sub>1,2</sub> | min. 0.3 mm | Chamfer dimension outer ring |



| Abutment dimensions |             |                                                                          |
|---------------------|-------------|--------------------------------------------------------------------------|
| d <sub>a</sub>      | 23.6 mm     | Smallest permissible abutment diameter shaft, bearings without flanges   |
| D <sub>a</sub>      | 24.3 mm     | Diameter of housing abutment                                             |
| D <sub>b</sub>      | 20.4 mm     | Smallest permissible abutment diameter housing, bearings without flanges |
| r <sub>a</sub>      | max. 0.3 mm | Fillet radius                                                            |

Calculation data

|                           |                |              |
|---------------------------|----------------|--------------|
| Basic dynamic load rating | C              | 16.1 kN      |
| Basic static load rating  | C <sub>0</sub> | 29 kN        |
| Fatigue load limit        | P <sub>u</sub> | 3.35 kN      |
| Reference speed           |                | 20 000 r/min |
| Limiting speed            |                | 22 000 r/min |

#### Associated seals

#### Tolerances and clearances

#### GENERAL BEARING SPECIFICATIONS

- Tolerances: Normal, P6, P5, ISO - F6 (F<sub>w</sub>)
- Radial internal clearance: table

#### DESIGN CONSIDERATIONS

- Housing tolerances: table
- Shaft tolerances: Operating clearance