

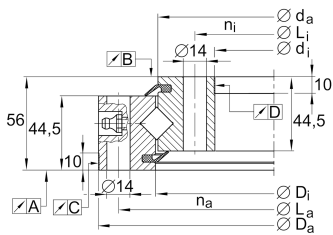


XSU140414 [↗](#)

Slewing ring, Crossed roller bearing, without gear teeth

Crossed roller bearings, standard series 14,
without gear teeth, lip seals on both sides

Technical information



Main Dimensions & Performance Data

| | | |
|-------------|---------|--|
| d_{iZT} | 344 mm | Diameter centring inner ring |
| | IT7 | Diameter centring inner ring tolerance |
| t | 10 mm | Length centering inner ring |
| D_a | 484 mm | Diameter centring outer ring |
| | -IT7 | Diameter centring outer ring tolerance |
| T | 10 mm | Length centering outer ring |
| H | 56 mm | Height |
| $\approx m$ | 27,4 kg | Weight |



Dimensions

| | | |
|--------------------|---------|--|
| D_i | 415 mm | Inner diameter outer ring |
| | 0,5 mm | Inner diameter outer ring upper tolerance |
| | 0 mm | Inner diameter outer ring lower tolerance |
| h_a | 44,5 mm | Height outer ring |
| L_a | 460 mm | Pitchcircle diameter fixing holes outer ring |
| n_a | 24 | Number of fixing holes in outer ring |
| d_a | 413 mm | Outside diameter inner ring |
| | 0 mm | Outside diameter inner ring upper tolerance |
| | -0,5 mm | Outside diameter inner ring lower tolerance |
| h_i | 44,5 mm | Height of inner ring |
| d_B | 14 mm | Fixing bore |
| L_i | 368 mm | Pitchcircle diameter fixing holes inner ring |
| n_i | 24 | Number of fixing holes in inner ring |
| VSP _{min} | 0,01 mm | Min. bearing preload |
| VSP _{max} | 0,03 mm | Maximum bearing preload |
| | 0,04 mm | Running accuracy A (related to the raceway) |
| | 0,04 mm | Running accuracy B (related to the raceway) |
| | 0,06 mm | Running accuracy C (related to the raceway) |
| | 0,06 mm | Running accuracy D (related to the raceway) |

Temperature range








| | | |
|-----------|--------|----------------------------|
| T_{min} | -30 °C | Operating temperature min. |
| T_{max} | 80 °C | Operating temperature max. |



Calculation factors

| | | |
|-------------|-----------|--|
| C_a | 200.000 N | Basic dynamic load rating, axial |
| C_r | 143.000 N | Basic dynamic load rating, radial (for radial load only) |
| C_{0a} | 540.000 N | Basic static load rating, axial |
| C_{0r} | 265.000 N | Basic static load rating, radial (for radial load only) |
| n_G | 92 1/min | Limiting speed |
| $F_{r zu.}$ | 99.100 N | Max. radial load screws |

Characteristics

-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Moments about all axes
-  Grease Lubrication
-  Sealed on both sides
-  Large bearing