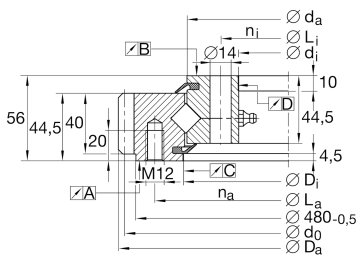
**XSA140844-N**

Slewing ring, crossed roller bearing, external gear teeth

Crossed roller bearings, standard series 14,
external gear teeth, lip seals on both sides

Technical information



Your current product variant

| | | |
|---------|---|---------------------------------------|
| Gearing | N | Normalized gear teeth on bearing ring |
|---------|---|---------------------------------------|

Main Dimensions & Performance Data

| | | |
|-----------|----------|--|
| d_{iZT} | 774 mm | Diameter centring inner ring |
| | IT7 | Diameter centring inner ring tolerance |
| t | 10 mm | Length centering inner ring |
| D_a | 950,1 mm | Outside Diameter |
| D_{iZT} | 847 mm | Diameter centring outer ring |
| | IT7 | Diameter centring outer ring tolerance |
| T | 4,5 mm | Length centering outer ring |
| H | 56 mm | Height |
| ≈m | 71 kg | Weight |



Dimensions








| | | |
|--------------------------|----------|---|
| h_a | 44,5 mm | Width outer ring |
| L_a | 885 mm | Pitchcircle diameter fixing holes outer ring |
| n_a | 36 | Number of fixing holes in outer ring |
| b | 44,5 mm | Width gearing |
| m | 8 mm | Modul of gearing |
| z | 117 | Number of teeth |
| d_0 | 936 mm | Pitch circle diameter gearing |
| $F_{z \text{ norm}}$ | 28.300 N | Max. tooth force root fatigue strenght (at a shock factor of 1,2) |
| $F_{z \text{ max}}$ | 42.000 N | Max. tooth force against tooth fracture (at a shock factor of 1,35) |
| d_a | 843 mm | Outside diameter inner ring |
| | 0 mm | Outside diameter inner ring upper tolerance |
| | -0,6 mm | Outside diameter inner ring lower tolerance |
| h | 44,5 mm | Height of individual ring |
| d_B | 14 mm | Fixing bore |
| L_i | 798 mm | Pitchcircle diameter fixing holes inner ring |
| n_i | 40 | Number of fixing holes in inner ring |
| | M12 | Tread fixing bore |
| t_G | 20 mm | Thread depth oil connector |
| | 0,05 mm | Running accuracy A (related to the raceway) |
| | 0,05 mm | Running accuracy B (related to the raceway) |
| | 0,09 mm | Running accuracy C (related to the raceway) |
| | 0,08 mm | Running accuracy D (related to the raceway) |
| Temperature range | | |
| T_{min} | -25 °C | Operating temperature min. |
| T_{max} | 80 °C | Operating temperature max. |



Calculation factors

| | | |
|--------------------|-------------|--|
| C_a | 295.000 N | Basic dynamic load rating, axial |
| C_{0a} | 1.110.000 N | Basic static load rating, axial |
| C_r | 210.000 N | Basic dynamic load rating, radial (for radial load only) |
| C_{0r} | 540.000 N | Basic static load rating, radial (for radial load only) |
| VSP max | 0,04 mm | Maximum bearing preload |
| VSP min | 0,01 mm | Min. bearing preload |
| $F_{r\text{ zul}}$ | 148.700 N | Max. radial load fixing screws (friction locking) |

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