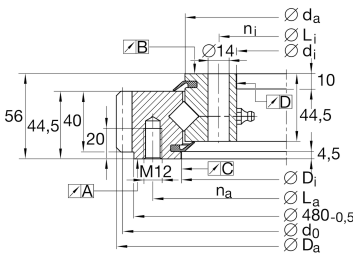


XSA140544-N

Slewing ring, crossed roller bearing, external gear teeth

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

Informacje techniczne



Twoja aktualna wersja produktu

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

Main Dimensions & Performance Data

|        |          |                                        |
|--------|----------|----------------------------------------|
| d iZT  | 474 mm   | Diameter centring inner ring           |
|        | IT7      | Diameter centring inner ring tolerance |
| t      | 10 mm    | Length centering inner ring            |
| D a    | 640,3 mm | Outside Diameter                       |
| D i ZT | 547 mm   | Diameter centring outer ring           |
|        | IT7      | Diameter centring outer ring tolerance |
| T      | 4,5 mm   | Length centering outer ring            |
| H      | 56 mm    | Height                                 |
| ≈m     | 44,1 kg  | Masa                                   |



Dimensions

|                     |          |                                                                     |
|---------------------|----------|---------------------------------------------------------------------|
| h <sub>a</sub>      | 44,5 mm  | Width outer ring                                                    |
| L <sub>a</sub>      | 585 mm   | Pitchcircle diameter fixing holes outer ring                        |
| n <sub>a</sub>      | 28       | Number of fixing holes in outer ring                                |
| b                   | 44,5 mm  | Width gearing                                                       |
| m                   | 6 mm     | Modul of gearing                                                    |
| z                   | 105      | Number of teeth                                                     |
| d <sub>0</sub>      | 630 mm   | Pitch circle diameter gearing                                       |
| F <sub>z norm</sub> | 21.300 N | Max. tooth force root fatigue strenght (at a shock factor of 1,2)   |
| F <sub>z max</sub>  | 31.500 N | Max. tooth force against tooth fracture (at a shock factor of 1,35) |
| d <sub>a</sub>      | 543 mm   | Outside diameter inner ring                                         |
|                     | 0 mm     | Outside diameter inner ring upper tolerance                         |
|                     | -0,5 mm  | Outside diameter inner ring lower tolerance                         |
| h                   | 44,5 mm  | Height of individual ring                                           |
| d <sub>B</sub>      | 14 mm    | Fixing bore                                                         |
| L <sub>i</sub>      | 498 mm   | Pitchcircle diameter fixing holes inner ring                        |
| n <sub>i</sub>      | 32       | Number of fixing holes in inner ring                                |
|                     | M12      | Tread fixing bore                                                   |
| t <sub>G</sub>      | 20 mm    | Thread depth oil connector                                          |
|                     | 0,04 mm  | Running accuracy A (related to the raceway)                         |
|                     | 0,04 mm  | Running accuracy B (related to the raceway)                         |
|                     | 0,07 mm  | Running accuracy C (related to the raceway)                         |
|                     | 0,06 mm  | Running accuracy D (related to the raceway)                         |

Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -25 °C | Operating temperature min. |
| T <sub>max</sub> | 80 °C  | Operating temperature max. |



Calculation factors

|              |           |                                                          |
|--------------|-----------|----------------------------------------------------------|
| $C_a$        | 231.000 N | Basic dynamic load rating, axial                         |
| $C_{0a}$     | 700.000 N | Basic static load rating, axial                          |
| $C_r$        | 164.000 N | Basic dynamic load rating, radial (for radial load only) |
| $C_{0r}$     | 345.000 N | Basic static load rating, radial (for radial load only)  |
| $VSP_{max}$  | 0,03 mm   | Maximum bearing preload                                  |
| $VSP_{min}$  | 0,01 mm   | Min. bearing preload                                     |
| $F_{r\ zul}$ | 115.600 N | Max. radial load fixing screws (friction locking)        |

Właściwości

- 

Obciążenie promieniowe
- 

Obciążenie osiowe jednokierunkowe
- 

Obciążenie osiowe dwukierunkowe
- 

Momenty względem wszystkich osi
- 

Smarowanie smarem
- 

Uszczelnienie dwustronne
- 

Łożysko gabarytowe