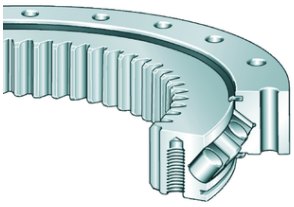
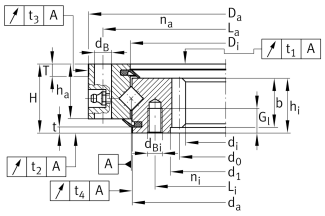


# XSI140414-N

Slewing ring, crossed roller bearing, internal gear teeth

Crossed roller bearings, standard series 14,
internal 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

| | | |
|---|---|---|
| $d_i$ | 325 mm | Bore Diameter |
| $d_{a\ ZT}$ | 411 mm | Diameter centring inner ring |
| | -IT7 | Diameter centring inner ring tolerance |
| t | 4,5 mm | Length centering inner ring |
| $D_{a\ ZT}$ | 484 mm | Diameter centring outer ring |
| | -IT7 | Diameter centring outer ring tolerance |
| T | 10 mm | Length centering outer ring |
| H | 56 mm | Height |
| ≈m | 31,051 kg | Masa |

## 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 | Width outer ring |
| $L_a$ | 460 mm | Pitchcircle diameter fixing holes outer ring |
| $n_a$ | 24 | Number of fixing holes in outer ring |
| $d_B$ | 14 mm | Fixing bore |
| | 44,5 mm | Width inner ring |
| $L_i$ | 375 mm | Pitchcircle diameter fixing holes inner ring |
| $n_i$ | 24 | Number of fixing holes in inner ring |
| | M12 | Tread fixing bore |
| $t_G$ | 20 mm | Thread depth oil connector |
| $d_1$ | 350 mm | Diameter turning inner ring |
| | 0,5 mm | Diameter turning inner ring upper tolerance |
| | 0 mm | Diameter turning inner ring lower tolerance |
| b | 40 mm | Width gearing |
| m | 5 mm | Modul of gearing |
| z | 67 | Number of teeth |
| $d_0$ | 335 mm | Pitch circle diameter gearing |
| $F_{z\ norm}$ | 17.700 N | Max. tooth force root fatigue strenght |
| $F_{z\ max}$ | 26.200 N | Max. tooth force against tooth fracture |
| | 0,04 mm | Running accuracy |
| | 0,04 mm | Running accuracy |
| | 0,06 mm | Running accuracy |
| | 0,06 mm | Running accuracy |

## Temperature range

| | | |
|---|---|---|
| $T_{min}$ | -25 °C | Operating temperature min. |
| $T_{max}$ | 80 °C | Operating temperature max. |

## Calculation factors

| | | |
|---|---|---|
| $C_a$ | 200.000 N | Basic dynamic load rating, axial |
| $C_{0a}$ | 540.000 N | Basic static load rating, axial |
| $C_r$ | 143.000 N | Basic dynamic load rating, radial (for radial load only) |
| $C_{0r}$ | 265.000 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 |
| $F_{r\ zul}$ | 99.100 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