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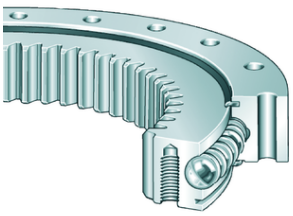
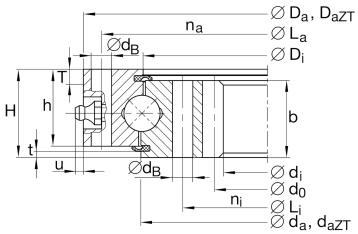


# VI160288-N-ZT

Slewing ring, 4 point contact bearing, internal gear teeth

Slewing ring, 4 point contact bearing, internal gear teeth

## Technical information




### Your current product variant

| | | |
|---|---|---|
| Centering | ZT | Centering on inner and outer ring |
| Gearing | N | Normalized gear teeth on bearing ring |

### Main Dimensions & Performance Data

| | | |
|---|---|---|
| $d_1$ | 216 mm | Bore Diameter |
| $d_{aZT}$ | 287 mm | Diameter centring inner ring |
| | -IT8 | Diameter centring inner ring tolerance |
| T | 2,5 mm | Length centering inner ring |
| H | 39 mm | Height |
| $D_a$ | 340 mm | Outside Diameter |
| $D_{a\,ZT}$ | 338 mm | Diameter centring outer ring |
| | -IT8 | Diameter centring outer ring tolerance |
| T | 6 mm | Length centering outer ring |
| $h_a$ | 34 mm | Width outer ring |
| $h_i$ | 34 mm | Width inner ring |
| | 0,04 mm | Normal radial clearance min. |
| | 0,16 mm | Normal radial clearance max. |
| | 0,07 mm | Normal axial clearance min. |
| | 0,26 mm | Normal axial clearance max. |
| ≈m | 12 kg | Weight |

## Dimensions

| | | |
|---|---|---|
| $D_i$ | 287 mm | Inner diameter outer ring |
| $L_a$ | 324 mm | Pitchcircle diameter fixing holes outer ring |
| $n_a$ | 20 | Number of fixing holes in outer ring |
| $d_B$ | 9 mm | Fixing bore |
| $d_a$ | 289 mm | Outside diameter inner ring |
| $L_i$ | 252 mm | Pitchcircle diameter fixing holes inner ring |
| $n_i$ | 20 | Number of fixing holes in inner ring |
| $F_{r\ zul}$ | 78.000 N | Max. radial load fixing screws (friction locking) |
| m | 4 mm | Modul of gearing |
| z | 56 | Number of teeth |
| $d_0$ | 224 mm | Pitch circle diameter gearing |
| b | 34 mm | Width gearing |
| u | 9,5 mm | Protrusion lubrication nipple |
| $F_{z\ norm}$ | 12.300 N | Max. tooth force root fatigue strenght (at a shock factor of 1,2) |
| $F_{z\ max}$ | 17.800 N | Max. tooth force against tooth fracture (at a shock factor of 1,35) |

## Temperature range

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

## Calculation factors

| | | |
|---|---|---|
| $C_a$ | 134.000 N | Basic dynamic load rating, axial |
| $C_{0a}$ | 570.000 N | Basic static load rating, axial |
| $C_r$ | 122.000 N | Basic dynamic load rating, radial |
| $C_{0r}$ | 260.000 N | Basic static load rating, radial |

## Characteristics

Radial load

Axial load in one direction

Axial load in two directions


Moments about all axes


Grease Lubrication


Large bearing