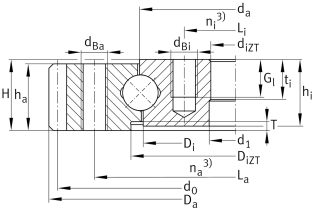


### **VA160302-N** [🔗](#)

Slewing ring, 4 point contact bearing, external gear teeth

Slewing ring, 4 point contact bearing, external gear teeth

## Informacje techniczne



Twoja aktualna wersja produktu

Gearing N Normalized gear teeth on bearing ring

Main Dimensions & Performance Data

|                  |          |                                              |
|------------------|----------|----------------------------------------------|
| d <sub>i</sub>   | 240 mm   | Bore Diameter                                |
|                  | 0,5 mm   | Bore diameter upper tolerance                |
|                  | -0,5 mm  | Bore diameter lower tolerance                |
| d <sub>iZT</sub> | 238 mm   | Diameter centring inner ring                 |
|                  | 0 mm     | Diameter centring inner ring upper tolerance |
|                  | -0,07 mm | Diameter centring inner ring lower tolerance |
| H                | 32 mm    | Height                                       |
| D <sub>a</sub>   | 384 mm   | Outside Diameter                             |
| D <sub>iZT</sub> | 310 mm   | Diameter centring outer ring                 |
|                  | 0 mm     | Diameter centring outer ring upper tolerance |
|                  | -0,08 mm | Diameter centring outer ring lower tolerance |
| T                | 3 mm     | Length centering outer ring                  |
| t                | 18 mm    | Length centering inner ring                  |
| h <sub>a</sub>   | 30 mm    | Width outer ring                             |
| h <sub>i</sub>   | 30 mm    | Height of 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               | 13,7 kg  | Masa                                         |



Dimensions

|                     |          |                                                                     |
|---------------------|----------|---------------------------------------------------------------------|
| d <sub>a</sub>      | 302,3 mm | Outside diameter inner ring                                         |
| n <sub>i</sub>      | 20       | Number of fixing holes in inner ring                                |
| L <sub>i</sub>      | 262 mm   | Pitchcircle diameter fixing holes inner ring                        |
| n <sub>a</sub>      | 20       | Number of fixing holes in outer ring                                |
| L <sub>a</sub>      | 343 mm   | Pitchcircle diameter fixing holes outer ring                        |
| d <sub>Ba</sub>     | M12      | Tread fixing bore                                                   |
| G <sub>I</sub>      | 18 mm    | Thread depth fixing hole                                            |
| F <sub>r zul</sub>  | 82.600 N | Max. radial load fixing screws (friction locking)                   |
| d <sub>0</sub>      | 376 mm   | Pitch circle diameter gearing                                       |
| m                   | 4 mm     | Modul of gearing                                                    |
| z                   | 94       | Number of teeth                                                     |
| b                   | 30 mm    | Width gearing                                                       |
| F <sub>z norm</sub> | 11.000 N | Max. tooth force root fatigue strenght (at a shock factor of 1,2)   |
| F <sub>z max</sub>  | 16.100 N | Max. tooth force against tooth fracture (at a shock factor of 1,35) |

Temperature range

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

Calculation factors

|                 |           |                                   |
|-----------------|-----------|-----------------------------------|
| C <sub>a</sub>  | 136.000 N | Basic dynamic load rating, axial  |
| C <sub>0a</sub> | 590.000 N | Basic static load rating, axial   |
| C <sub>r</sub>  | 123.000 N | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 270.000 N | Basic static load rating, radial  |



## Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Momenty względem wszystkich osi



Smarowanie smarem



Łożysko gabarytowe