



### VSU200414 [↗](#)

Slewing ring, 4 point contact bearing, without gear teeth

Slewing Ring, Four Point contact bearing,  
without gear teeth

## Technical information



### Your current product variant

|                           |             |  |
|---------------------------|-------------|--|
| Radial internal clearance | Standard_SL | Standard radial clearance 0 to 0,3 and axial tilting clearance 0 to 0,53 |
|---------------------------|-------------|--|

### Main Dimensions & Performance Data

|             |          |   |
|-------------|----------|---|
| $d_i$       | 342 mm   | Inner diameter inner ring                 |
|             | 0 mm     | Inner diameter inner ring lower tolerance |
|             | 0,5 mm   | Inner diameter inner ring upper tolerance |
| H           | 56 mm    | Height                                    |
| $D_a$       | 486 mm   | Outside Diameter                          |
|             | -0,5 mm  | Outside diameter lower tolerance          |
|             | 0 mm     | Outside diameter upper tolerance          |
| $h_a$       | 44,5 mm  | Width outer ring                          |
| $h_i$       | 44,5 mm  | Width inner ring                          |
| $\approx m$ | 27,71 kg | Weight                                    |



## Dimensions

|                   |          |   |
|-------------------|----------|---|
| $D_i$             | 415,5 mm | Inner diameter outer ring                         |
|                   | 0,5 mm   | Inner diameter outer ring upper tolerance         |
|                   | 0 mm     | Inner diameter outer ring lower tolerance         |
| $d_a$             | 412,5 mm | Outside diameter inner ring                       |
|                   | 0 mm     | Outside diameter inner ring upper tolerance       |
|                   | -0,5 mm  | Outside diameter inner ring lower tolerance       |
| $d_B$             | 14 mm    | Fixing bore                                       |
| $L_a$             | 460 mm   | Pitchcircle diameter fixing holes outer ring      |
| $n_a$             | 24       | Number of fixing holes in outer ring              |
| $L_i$             | 368 mm   | Pitchcircle diameter fixing holes inner ring      |
| $n_i$             | 24       | Number of fixing holes in inner ring              |
| $F_{r\text{zul}}$ | 99.100 N | Max. radial load fixing screws (friction locking) |

## Temperature range

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

## Calculation factors

|          |           |  |
|----------|-----------|--|
| $C_a$    | 137.000 N | Basic dynamic load rating, axial                         |
| $C_{0a}$ | 660.000 N | Basic static load rating, axial                          |
| $C_r$    | 124.000 N | Basic dynamic load rating, radial (for radial load only) |
| $C_{0r}$ | 305.000 N | Basic static load rating, radial (for radial load only)  |



### 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