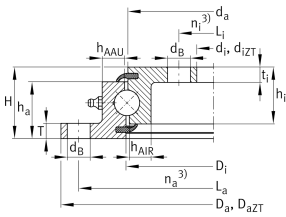


**VLU200544-ZT** [↗](#)

Slewing ring, 4 point contact bearing, without gear teeth

Slewing ring, 4 point contact bearing, without gear teeth

## Technical information

**Your current product variant**

|                           |             |   |
|---------------------------|-------------|---|
| Centering                 | ZT          | Centering on inner and outer ring                                       |
| Radial internal clearance | Standard_VL | Standard radial clearance 0 to 0,5 and axial tilting clearance 0 to 0,7 |

**Main Dimensions & Performance Data**

|             |         |  |
|-------------|---------|--|
| $d_{iZT}$   | 436 mm  | Diameter centring inner ring           |
|             | IT8     | Diameter centring inner ring tolerance |
| H           | 56 mm   | Height                                 |
| $D_{aZT}$   | 646 mm  | Centring diameter outer ring           |
|             | -IT8    | Diameter centring outer ring tolerance |
| T           | 12 mm   | Length centering outer ring            |
| t           | 12 mm   | Length centering inner ring            |
| $h_a$       | 44,5 mm | Width outer ring                       |
| $h_i$       | 44,5 mm | Width inner ring                       |
| $\approx m$ | 33,3 kg | Weight                                 |



## Dimensions

|                   |          |   |
|-------------------|----------|---|
| $D_i$             | 545,5 mm | Inner diameter outer ring                         |
|                   | 0,5 mm   | Inner diameter outer ring upper tolerance         |
|                   | 0 mm     | Inner diameter outer ring lower tolerance         |
| $d_a$             | 542,5 mm | Outside diameter inner ring                       |
|                   | 0 mm     | Outside diameter inner ring upper tolerance       |
|                   | -0,5 mm  | Outside diameter inner ring lower tolerance       |
| $d_B$             | 18 mm    | Fixing bore                                       |
| $L_a$             | 620 mm   | Pitchcircle diameter fixing holes outer ring      |
| $n_a$             | 10       | Number of fixing holes in outer ring              |
| $L_i$             | 462 mm   | Pitchcircle diameter fixing holes inner ring      |
| $n_i$             | 14       | Number of fixing holes in inner ring              |
| $F_{r\text{zul}}$ | 70.000 N | Max. radial load fixing screws (friction locking) |
| $h_A$             | 20 mm    | Ring cross section                                |

## Temperature range

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

## Calculation factors

|          |           |  |
|----------|-----------|--|
| $C_a$    | 152.000 N | Basic dynamic load rating, axial                         |
| $C_{0a}$ | 385.000 N | Basic static load rating, axial                          |
| $C_r$    | 138.000 N | Basic dynamic load rating, radial (for radial load only) |
| $C_{0r}$ | 144.000 N | Basic static load rating, radial (for radial load only)  |



### Characteristics

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Radial load



Axial load in one direction



Axial load in two directions



Moments about all axes



Grease Lubrication



Sealed on both sides



Large bearing