

**VSU200544-VSP-ZT** [↗](#)

Slewing ring, 4 point contact bearing, without gear teeth

Slewing Ring, Four Point contact bearing,
without gear teeth

Technical information

**Your current product variant**

| | | |
|-----------|-----|-----------------------------------|
| Centering | ZT | Centering on inner and outer ring |
| Preload | VSP | Bearing with preload |

Main Dimensions & Performance Data

| | | |
|-------------|----------|---|
| d_i | 472 mm | Inner diameter inner ring |
| | 0 mm | Inner diameter inner ring lower tolerance |
| | 0,5 mm | Inner diameter inner ring upper tolerance |
| d_{iZT} | 474 mm | Diameter centring inner ring |
| | IT8 | Diameter centring inner ring tolerance |
| H | 56 mm | Height |
| D_a | 616 mm | Outside Diameter |
| | -0,5 mm | Outside diameter lower tolerance |
| | 0 mm | Outside diameter upper tolerance |
| D_{aZT} | 614 mm | Centering diameter outer ring |
| | -IT8 | Diameter centring outer ring tolerance |
| T | 10 mm | Length centering outer ring |
| t | 10 mm | Length centering inner ring |
| h_a | 44,5 mm | Width outer ring |
| h_i | 44,5 mm | Width inner ring |
| $\approx m$ | 37,45 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 | 14 mm | Fixing bore |
| L_a | 590 mm | Pitchcircle diameter fixing holes outer ring |
| n_a | 32 | Number of fixing holes in outer ring |
| L_i | 498 mm | Pitchcircle diameter fixing holes inner ring |
| n_i | 32 | Number of fixing holes in inner ring |
| $F_{r\text{zul}}$ | 132.200 N | Max. radial load fixing screws (friction locking) |

Temperature range

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

Calculation factors

| | | |
|----------|-----------|--|
| C_a | 152.000 N | Basic dynamic load rating, axial |
| C_{0a} | 870.000 N | Basic static load rating, axial |
| C_r | 138.000 N | Basic dynamic load rating, radial (for radial load only) |
| C_{0r} | 400.000 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