

**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