

**VSU200414-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	342 mm	Inner diameter inner ring
	0 mm	Inner diameter inner ring lower tolerance
	0,5 mm	Inner diameter inner ring upper tolerance
d_{iZT}	344 mm	Diameter centring inner ring
	IT8	Diameter centring inner ring tolerance
H	56 mm	Height
D_a	486 mm	Outside Diameter
	-0,5 mm	Outside diameter lower tolerance
	0 mm	Outside diameter upper tolerance
D_{aZT}	484 mm	Centring 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
$\approx m$	30,055 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
$F_{r\text{zul}}$	76.000 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	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