

**VLU200544-ZT**

Slewing ring, 4 point contact bearing, without gear teeth

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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_{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}	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



Radial load



Axial load in one direction



Axial load in two directions



Moments about all axes



Grease Lubrication



Sealed on both sides



Large bearing