

**VLU200544** [↗](#)

Slewing ring, 4 point contact bearing, without gear teeth

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## Technical information

**Your current product variant**

Radial internal clearance	Standard_VL	Standard radial clearance 0 to 0,5 and axial tilting clearance 0 to 0,7
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**Main Dimensions & Performance Data**

$d_i$	434 mm	Inner diameter inner ring
	0 mm	Inner diameter inner ring lower tolerance
	0,5 mm	Inner diameter inner ring upper tolerance
H	56 mm	Height
$D_a$	648 mm	Outside Diameter
	-0,5 mm	Outside diameter lower tolerance
	0 mm	Outside diameter upper 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
$\approx m$	31,41 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
$F_{r\text{zul}}$	72.500 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