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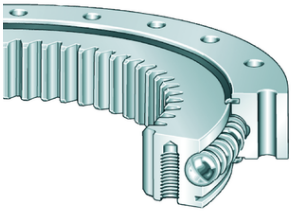

VSI200744-N

Slewing ring, 4 point contact bearing, internal gear teeth

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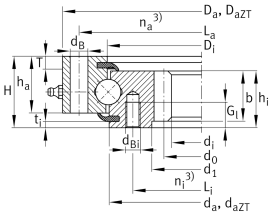
Technical information



Your current product variant

Gearing	N	Normalized gear teeth on bearing ring
Radial internal clearance	Standard_SL	Standard radial clearance 0 to 0,3 and axial tilting clearance 0 to 0,53

Main Dimensions & Performance Data

d_1	648 mm	Bore Diameter
T	4,5 mm	Length centering inner ring
H	56 mm	Height
D_a	816 mm	Outside Diameter
	-0,6 mm	Outside diameter lower tolerance
	0 mm	Outside diameter upper tolerance
h_a	44,5 mm	Width outer ring
h_i	44,5 mm	Width inner ring
≈m	58,3 kg	Weight

Dimensions

D_i	745,5 mm	Inner diameter outer ring
	0,6 mm	Inner diameter outer ring upper tolerance
	0 mm	Inner diameter outer ring lower tolerance
L_a	790 mm	Pitchcircle diameter fixing holes outer ring
n_a	40	Number of fixing holes in outer ring
d_B	14 mm	Fixing bore
d_a	742,5 mm	Outside diameter inner ring
	0 mm	Outside diameter inner ring upper tolerance
	-0,6 mm	Outside diameter inner ring lower tolerance
L_i	705 mm	Pitchcircle diameter fixing holes inner ring
d_{Bi}	M12	Tread fixing bore
G_l	20 mm	Thread depth fixing hole
n_i	40	Number of fixing holes in inner ring
$F_{r\ zul}$	165.200 N	Max. radial load fixing screws (friction locking)
m	6 mm	Modul of gearing
z	110	Number of teeth
d_0	660 mm	Pitch circle diameter gearing
$F_{z\ norm}$	23.700 N	Max. tooth force root fatigue strenght (at a shock factor of 1,2)
$F_{z\ max}$	35.000 N	Max. tooth force against tooth fracture (at a shock factor of 1,35)

Temperature range

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

Calculation factors

C_a	171.000 N	Basic dynamic load rating, axial
C_{0a}	1.200.000 N	Basic static load rating, axial
C_r	155.000 N	Basic dynamic load rating, radial
C_{0r}	550.000 N	Basic static load rating, radial

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