

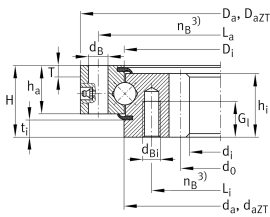


VSI250955-N

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
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Main Dimensions & Performance Data

d_1	810 mm	Bore Diameter
T	19 mm	Length centering inner ring
H	80 mm	Height
D_a	1.055 mm	Outside Diameter
T	15 mm	Length centering outer ring
h_a	54 mm	Width outer ring
h_i	71 mm	Width inner ring
	0,03 mm	Normal radial clearance min.
	0,13 mm	Normal radial clearance max.
	0,05 mm	Normal axial clearance min.
	0,24 mm	Normal axial clearance max.
$\approx m$	149 kg	Weight



Dimensions

D_i	953 mm	Inner diameter outer ring
L_a	1.015 mm	Pitchcircle diameter fixing holes outer ring
n_a	30	Number of fixing holes in outer ring
d_B	22 mm	Fixing bore
d_a	957 mm	Outside diameter inner ring
L_i	894 mm	Pitchcircle diameter fixing holes inner ring
d_{Bi}	M20	Tread fixing bore
G_i	40 mm	Thread depth fixing hole
n_i	30	Number of fixing holes in inner ring
$F_{r\text{ zul}}$	363.300 N	Max. radial load fixing screws (friction locking)
m	10 mm	Modul of gearing
z	83	Number of teeth
d_0	830 mm	Pitch circle diameter gearing
$F_{z\text{ norm}}$	68.000 N	Max. tooth force root fatigue strenght (at a shock factor of 1,2)
$F_{z\text{ max}}$	98.900 N	Max. tooth force against tooth fracture (at a shock factor of 1,35)

Calculation factors

C_a	370.000 N	Basic dynamic load rating, axial
C_{0a}	3.400.000 N	Basic static load rating, axial
C_r	335.000 N	Basic dynamic load rating, radial
C_{0r}	1.560.000 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