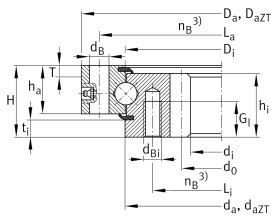


**VSI251055-N-VSP** [↗](#)

Slewing ring, 4 point contact bearing, internal gear teeth

Slewing ring, 4 point contact bearing, internal gear teeth

Technical information



Your current product variant

Gearing	N	Normalized gear teeth on bearing ring
Preload class	VSP	Bearing with preload

Main Dimensions & Performance Data

d_i	910 mm	Bore Diameter
T	19 mm	Length centering inner ring
H	80 mm	Height
D_a	1.155 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.
≈m	165,8 kg	Weight



Dimensions








D_i	1.053 mm	Inner diameter outer ring
L_a	1.115 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	1.057 mm	Outside diameter inner ring
L_i	994 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	93	Number of teeth
d_0	930 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	385.000 N	Basic dynamic load rating, axial
C_{0a}	3.750.000 N	Basic static load rating, axial
C_r	350.000 N	Basic dynamic load rating, radial
C_{0r}	1.720.000 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