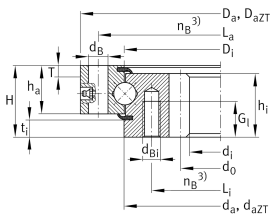


**VSI251055-N-VSP** [↗](#)

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 &amp; 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

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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