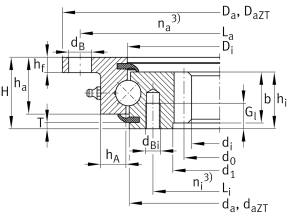


VLI200414-N

Slewing ring, 4 point contact bearing, internal gear teeth

Four point contact bearings, light series 20,
internal gear teeth, lip seals on both sides

Informacje techniczne



Twoja aktualna wersja produktu

Gearing	N	Normalized gear teeth on bearing ring
Radial internal clearance	Standard_VL	Standard radial clearance 0 to 0,5 and axial tilting clearance 0 to 0,7

Main Dimensions & Performance Data

d ₁	325 mm	Bore Diameter
H	56 mm	Height
D _a	518 mm	Outside Diameter
	-0,5 mm	Outside diameter lower tolerance
	0 mm	Outside diameter upper tolerance
h _f	12 mm	Height of flange
h _a	44,5 mm	Width outer ring
h _i	44,5 mm	Width inner ring
≈m	27,3 kg	Masa



Dimensions

D _i	415,5 mm	Inner diameter outer ring
	0,5 mm	Inner diameter outer ring upper tolerance
	0 mm	Inner diameter outer ring lower tolerance
L _a	490 mm	Pitchcircle diameter fixing holes outer ring
n _a	8	Number of fixing holes in outer ring
d _B	18 mm	Fixing bore
d _a	412,5 mm	Outside diameter inner ring
	0 mm	Outside diameter inner ring upper tolerance
	-0,5 mm	Outside diameter inner ring lower tolerance
L _i	375 mm	Pitchcircle diameter fixing holes inner ring
d _{Bi}	M12	Tread fixing bore
G _I	20 mm	Thread depth fixing hole
n _i	12	Number of fixing holes in inner ring
F _{r zul}	49.600 N	Max. radial load fixing screws (friction locking)
m	5 mm	Modul of gearing
z	67	Number of teeth
d ₀	335 mm	Pitch circle diameter gearing
b	40 mm	Width gearing
d ₁	350 mm	Diameter turning inner ring
	0,5 mm	Diameter turning inner ring upper tolerance
	0 mm	Diameter turning inner ring lower tolerance
h _A	20 mm	Ring cross section
F _{z norm}	17.700 N	Max. tooth force root fatigue strenght (at a shock factor of 1,2)
F _{z max}	26.200 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	137.000 N	Basic dynamic load rating, axial
C_{0a}	295.000 N	Basic static load rating, axial
C_r	124.000 N	Basic dynamic load rating, radial
C_{0r}	110.000 N	Basic static load rating, radial

Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Momenty względem wszystkich osi



Smarowanie smarem



Uszczelnienie dwustronne



Łożysko gabarytowe