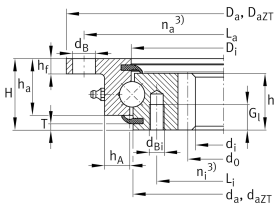


VLI200544-N

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	444 mm	Bore Diameter
H	56 mm	Height
D a	648 mm	Outside Diameter
	-0,5 mm	Outside diameter lower tolerance
	0 mm	Outside diameter upper tolerance
	-IT8	Diameter centring outer ring 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	39,84 kg	Masa



Dimensions

D _i	545,5 mm	Inner diameter outer ring
	0,5 mm	Inner diameter outer ring upper tolerance
	0 mm	Inner diameter outer ring lower tolerance
L _a	620 mm	Pitchcircle diameter fixing holes outer ring
n _a	10	Number of fixing holes in outer ring
d _B	18 mm	Fixing bore
d _a	542,5 mm	Outside diameter inner ring
	0 mm	Outside diameter inner ring upper tolerance
	-0,5 mm	Outside diameter inner ring lower tolerance
L _i	505 mm	Pitchcircle diameter fixing holes inner ring
d _{Bi}	M12	Tread fixing bore
G _I	20 mm	Thread depth fixing hole
n _i	16	Number of fixing holes in inner ring
F _{r zul}	66.100 N	Max. radial load fixing screws (friction locking)
m	6 mm	Modul of gearing
z	76	Number of teeth
d ₀	456 mm	Pitch circle diameter gearing
h _A	20 mm	Ring cross section
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	152.000 N	Basic dynamic load rating, axial
C _{0a}	385.000 N	Basic static load rating, axial
C _r	138.000 N	Basic dynamic load rating, radial
C _{0r}	144.000 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