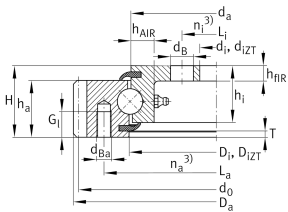


VLA201094-N

Slewing ring, 4 point contact bearing, external gear teeth

Slewing ring, 4 point contact bearing, external gear teeth

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_i	984 mm	Bore Diameter
	0,7 mm	Bore diameter upper tolerance
	0 mm	Bore diameter lower tolerance
h_{fIR}	12 mm	Height of flange
H	56 mm	Height
D_a	1.198,1 mm	Outside Diameter
t	12 mm	Length centering inner ring
h_a	44,5 mm	Width outer ring
h_i	44,5 mm	Height of inner ring
$\approx m$	83,515 kg	Masa



Dimensions

D _i	1.095,5 mm	Inner diameter outer ring
	0,7 mm	Inner diameter outer ring upper tolerance
	0 mm	Inner diameter outer ring lower tolerance
d _a	1.092,5 mm	Outside diameter inner ring
	0 mm	Outside diameter inner ring upper tolerance
	-0,7 mm	Outside diameter inner ring lower tolerance
n _i	20	Number of fixing holes in inner ring
L _i	1.012 mm	Pitchcircle diameter fixing holes inner ring
d _B	18 mm	Fixing bore
n _a	22	Number of fixing holes in outer ring
L _a	1.135 mm	Pitchcircle diameter fixing holes outer ring
d _{Ba}	M12	Tread fixing bore
G _i	20 mm	Thread depth fixing hole
h _{AIR}	20 mm	Ring cross section
F _{r zul}	90.900 N	Max. radial load fixing screws (friction locking)
d ₀	1.184 mm	Pitch circle diameter gearing
m	8 mm	Modul of gearing
z	148	Number of teeth
F _{z norm}	28.300 N	Max. tooth force root fatigue strenght (at a shock factor of 1,2)
F _{z max}	42.000 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	198.000 N	Basic dynamic load rating, axial
C_{0a}	780.000 N	Basic static load rating, axial
C_r	179.000 N	Basic dynamic load rating, radial
C_{0r}	290.000 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