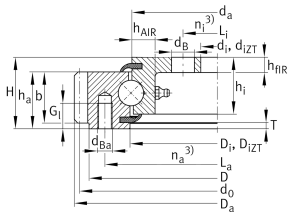


VLA200414-N

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	304 mm	Bore Diameter
	0,5 mm	Bore diameter upper tolerance
	0 mm	Bore diameter lower tolerance
h_{fIR}	12 mm	Height of flange
H	56 mm	Height
D_a	503,3 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
$\approx m$	28,415 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
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
n _i	12	Number of fixing holes in inner ring
L _i	332 mm	Pitchcircle diameter fixing holes inner ring
d _B	18 mm	Fixing bore
n _a	10	Number of fixing holes in outer ring
L _a	455 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}	41.300 N	Max. radial load fixing screws (friction locking)
d ₀	495 mm	Pitch circle diameter gearing
m	5 mm	Modul of gearing
z	99	Number of teeth
b	40 mm	Width gearing
D	480 mm	Offset diameter outer ring
	0 mm	Offset diameter outer ring upper tolerance
	-0,5 mm	Offset diameter outer ring lower tolerance
F _{z norm}	15.900 N	Max. tooth force root fatigue strenght (at a shock factor of 1,2)
F _{z max}	23.600 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