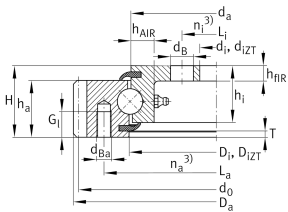


VLA200544-N

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	434 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	640,3 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
$\approx m$	41,73 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
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
n _i	14	Number of fixing holes in inner ring
L _i	462 mm	Pitchcircle diameter fixing holes inner ring
d _B	18 mm	Fixing bore
n _a	14	Number of fixing holes in outer ring
L _a	585 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}	72.500 N	Max. radial load fixing screws (friction locking)
d ₀	630 mm	Pitch circle diameter gearing
m	6 mm	Modul of gearing
z	105	Number of teeth
F _{z norm}	21.300 N	Max. tooth force root fatigue strenght (at a shock factor of 1,2)
F _{z max}	31.500 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