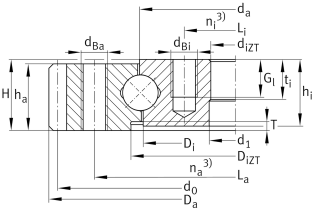


VA160302-N

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

Main Dimensions & Performance Data

d _i	240 mm	Bore Diameter
	0,5 mm	Bore diameter upper tolerance
	-0,5 mm	Bore diameter lower tolerance
d _{iZT}	238 mm	Diameter centring inner ring
	0 mm	Diameter centring inner ring upper tolerance
	-0,07 mm	Diameter centring inner ring lower tolerance
H	32 mm	Height
D _a	384 mm	Outside Diameter
D _{iZT}	310 mm	Diameter centring outer ring
	0 mm	Diameter centring outer ring upper tolerance
	-0,08 mm	Diameter centring outer ring lower tolerance
T	3 mm	Length centering outer ring
t	18 mm	Length centering inner ring
h _a	30 mm	Width outer ring
h _i	30 mm	Height of inner ring
	0,04 mm	Normal radial clearance min.
	0,16 mm	Normal radial clearance max.
	0,07 mm	Normal axial clearance min.
	0,26 mm	Normal axial clearance max.
≈m	13,7 kg	Masa



Dimensions

d_a	302,3 mm	Outside diameter inner ring
n_i	20	Number of fixing holes in inner ring
L_i	262 mm	Pitchcircle diameter fixing holes inner ring
n_a	20	Number of fixing holes in outer ring
L_a	343 mm	Pitchcircle diameter fixing holes outer ring
d_{Ba}	M12	Tread fixing bore
G_I	18 mm	Thread depth fixing hole
$F_{r\,zul}$	82.600 N	Max. radial load fixing screws (friction locking)
d_0	376 mm	Pitch circle diameter gearing
m	4 mm	Modul of gearing
z	94	Number of teeth
b	30 mm	Width gearing
$F_{z\,norm}$	11.000 N	Max. tooth force root fatigue strenght (at a shock factor of 1,2)
$F_{z\,max}$	16.100 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	136.000 N	Basic dynamic load rating, axial
C_{0a}	590.000 N	Basic static load rating, axial
C_r	123.000 N	Basic dynamic load rating, radial
C_{0r}	270.000 N	Basic static load rating, radial



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Momenty względem wszystkich osi



Smarowanie smarem



łożysko gabarytowe