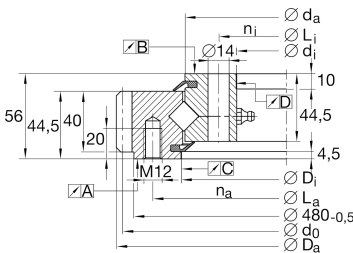


XSA140414-N

Slewing ring, crossed roller bearing, external gear teeth

Crossed roller bearings, standard series 14,
external gear teeth, lip seals on both sides

Informacje techniczne



Twoja aktualna wersja produktu

Gearing	N	Normalized gear teeth on bearing ring
---------	---	---------------------------------------

Main Dimensions & Performance Data

d iZT	344 mm	Diameter centring inner ring
	IT7	Diameter centring inner ring tolerance
t	10 mm	Length centering inner ring
D a	503,3 mm	Outside Diameter
D i ZT	417 mm	Diameter centring outer ring
	IT7	Diameter centring outer ring tolerance
T	4,5 mm	Length centering outer ring
H	56 mm	Height
≈m	30,25 kg	Masa



Dimensions

h_a	44,5 mm	Width outer ring
L_a	455 mm	Pitchcircle diameter fixing holes outer ring
n_a	20	Number of fixing holes in outer ring
D_{aZT}	480 mm	Offset diameter outer ring
	0 mm	Offset diameter outer ring upper tolerance
	-0,5 mm	Offset diameter outer ring lower tolerance
b	40 mm	Width gearing
m	5 mm	Modul of gearing
z	99	Number of teeth
d_0	495 mm	Pitch circle diameter gearing
$F_{z\text{ norm}}$	15.900 N	Max. tooth force root fatigue strenght (at a shock factor of 1,2)
$F_{z\text{ max}}$	23.600 N	Max. tooth force against tooth fracture (at a shock factor of 1,35)
d_a	413 mm	Outside diameter inner ring
	0 mm	Outside diameter inner ring upper tolerance
	-0,5 mm	Outside diameter inner ring lower tolerance
h	44,5 mm	Height of individual ring
d_B	14 mm	Fixing bore
L_i	368 mm	Pitchcircle diameter fixing holes inner ring
n_i	24	Number of fixing holes in inner ring
	M12	Tread fixing bore
t_G	20 mm	Thread depth oil connector
	0,04 mm	Running accuracy A (related to the raceway)
	0,04 mm	Running accuracy B (related to the raceway)
	0,06 mm	Running accuracy C (related to the raceway)
	0,06 mm	Running accuracy D (related to the raceway)



Temperature range

T _{min}	-25 °C	Operating temperature min.
T _{max}	80 °C	Operating temperature max.

Calculation factors

C _a	200.000 N	Basic dynamic load rating, axial
C _{0a}	540.000 N	Basic static load rating, axial
C _r	143.000 N	Basic dynamic load rating, radial (for radial load only)
C _{0r}	265.000 N	Basic static load rating, radial (for radial load only)
VSP _{max}	0,03 mm	Maximum bearing preload
VSP _{min}	0,01 mm	Min. bearing preload
F _{r zul}	82.600 N	Max. radial load fixing screws (friction locking)

Właściwości

-  Obciążenie promieniowe
-  Obciążenie osiowe jednokierunkowe
-  Obciążenie osiowe dwukierunkowe
-  Momenty względem wszystkich osi
-  Smarowanie smarem
-  Uszczelnienie dwustronne
-  Łożysko gabarytowe