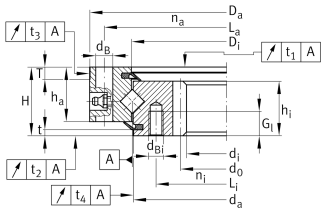


XSI140544-N

Slewing ring, crossed roller bearing, internal gear teeth

Crossed roller bearings, standard series 14,
internal 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 i	444 mm	Bore Diameter
d a ZT	541 mm	Diameter centring inner ring
	-IT7	Diameter centring inner ring tolerance
t	4,5 mm	Length centering inner ring
D a ZT	614 mm	Diameter centring outer ring
	-IT7	Diameter centring outer ring tolerance
T	10 mm	Length centering outer ring
H	56 mm	Height
≈m	43,2 kg	Masa



Dimensions

D _i	545 mm	Inner diameter outer ring
	0,5 mm	Inner diameter outer ring upper tolerance
	0 mm	Inner diameter outer ring lower tolerance
h _a	44,5 mm	Width outer ring
L _a	590 mm	Pitchcircle diameter fixing holes outer ring
n _a	32	Number of fixing holes in outer ring
d _B	14 mm	Fixing bore
	44,5 mm	Width inner ring
L _i	505 mm	Pitchcircle diameter fixing holes inner ring
n _i	32	Number of fixing holes in inner ring
	M12	Tread fixing bore
t _G	20 mm	Thread depth oil connector
b	44,5 mm	Width gearing
m	6 mm	Modul of gearing
z	76	Number of teeth
d ₀	456 mm	Pitch circle diameter gearing
F _{z norm}	23.700 N	Max. tooth force root fatigue strenght
F _{z max}	35.000 N	Max. tooth force against tooth fracture
	0,04 mm	Running accuracy
	0,04 mm	Running accuracy
	0,07 mm	Running accuracy
	0,07 mm	Running accuracy

Temperature range

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



Calculation factors

C_a	231.000 N	Basic dynamic load rating, axial
C_{0a}	700.000 N	Basic static load rating, axial
C_r	164.000 N	Basic dynamic load rating, radial (for radial load only)
C_{0r}	345.000 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
$F_{r\ zul}$	132.200 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