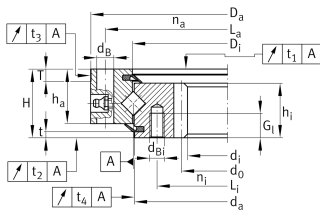


**XSI140944-N**

Slewing ring, crossed roller bearing, internal gear teeth

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

Technical information



Your current product variant

Gearing N Normalized gear teeth on bearing ring

Main Dimensions & Performance Data

d_i	840 mm	Bore Diameter
d_{aZT}	941 mm	Diameter centring inner ring
	-IT7	Diameter centring inner ring tolerance
t	4,5 mm	Length centering inner ring
D_{aZT}	1.014 mm	Diameter centring outer ring
	-IT7	Diameter centring outer ring tolerance
T	10 mm	Length centering outer ring
H	56 mm	Height
$\approx m$	74,1 kg	Weight



Dimensions

D_i	945 mm	Inner diameter outer ring
	0,7 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	990 mm	Pitchcircle diameter fixing holes outer ring
n_a	44	Number of fixing holes in outer ring
d_B	14 mm	Fixing bore
	44,5 mm	Width inner ring
L_i	905 mm	Pitchcircle diameter fixing holes inner ring
n_i	44	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	8 mm	Modul of gearing
z	107	Number of teeth
d_0	856 mm	Pitch circle diameter gearing
$F_{z \text{ norm}}$	31.400 N	Max. tooth force root fatigue strenght
$F_{z \text{ max}}$	46.700 N	Max. tooth force against tooth fracture
	0,06 mm	Running accuracy
	0,06 mm	Running accuracy
	0,11 mm	Running accuracy
	0,09 mm	Running accuracy

Temperature range








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



Calculation factors

C_a	315.000 N	Basic dynamic load rating, axial
C_{0a}	1.240.000 N	Basic static load rating, axial
C_r	223.000 N	Basic dynamic load rating, radial (for radial load only)
C_{0r}	610.000 N	Basic static load rating, radial (for radial load only)
VSP max	0,05 mm	Maximum bearing preload
VSP min	0,01 mm	Min. bearing preload
$F_{r\text{ zul}}$	181.700 N	Max. radial load fixing screws (friction locking)

Characteristics

-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Moments about all axes
-  Grease Lubrication
-  Sealed on both sides
-  Large bearing