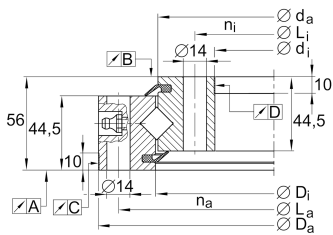


**XSU140544** [↗](#)

Slewing ring, Crossed roller bearing, without gear teeth

Crossed roller bearings, standard series 14,
without gear teeth, lip seals on both sides

Technical information

**Main Dimensions & Performance Data**

d_{iZT}	474 mm	Diameter centring inner ring
	IT7	Diameter centring inner ring tolerance
t	10 mm	Length centering inner ring
D_a	614 mm	Diameter centring outer ring
	-IT7	Diameter centring outer ring tolerance
T	10 mm	Length centering outer ring
H	56 mm	Height
$\approx m$	36,1 kg	Weight



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	Height outer ring
L_a	590 mm	Pitchcircle diameter fixing holes outer ring
n_a	32	Number of fixing holes in outer ring
d_a	543 mm	Outside diameter inner ring
	0 mm	Outside diameter inner ring upper tolerance
	-0,5 mm	Outside diameter inner ring lower tolerance
h_i	44,5 mm	Height of inner ring
d_B	14 mm	Fixing bore
L_i	498 mm	Pitchcircle diameter fixing holes inner ring
n_i	32	Number of fixing holes in inner ring
VSP _{min}	0,01 mm	Min. bearing preload
VSP _{max}	0,03 mm	Maximum bearing preload
	0,04 mm	Running accuracy A (related to the raceway)
	0,04 mm	Running accuracy B (related to the raceway)
	0,07 mm	Running accuracy C (related to the raceway)
	0,06 mm	Running accuracy D (related to the raceway)

Temperature range








T_{min}	-30 °C	Operating temperature min.
T_{max}	80 °C	Operating temperature max.



Calculation factors

C_a	231.000 N	Basic dynamic load rating, axial
C_r	164.000 N	Basic dynamic load rating, radial (for radial load only)
C_{0a}	700.000 N	Basic static load rating, axial
C_{0r}	345.000 N	Basic static load rating, radial (for radial load only)
n_G	70 1/min	Limiting speed
$F_{r zu.}$	132.200 N	Max. radial load screws

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