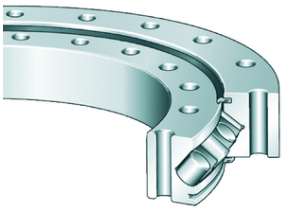
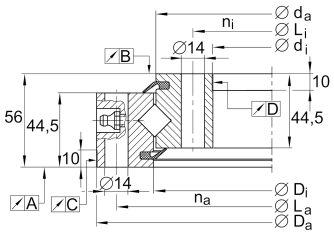


XSU141094

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

$d_{i\ ZT}$	1.024 mm	Diameter centring inner ring
	IT7	Diameter centring inner ring tolerance
t	10 mm	Length centering inner ring
D_a	1.164 mm	Diameter centring outer ring
	-IT7	Diameter centring outer ring tolerance
T	10 mm	Length centering outer ring
H	56 mm	Height
≈m	76,968 kg	Weight

Dimensions

D_i	1.095 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	Height outer ring
L_a	1.140 mm	Pitchcircle diameter fixing holes outer ring
n_a	48	Number of fixing holes in outer ring
d_a	1.093 mm	Outside diameter inner ring
	0 mm	Outside diameter inner ring upper tolerance
	-0,7 mm	Outside diameter inner ring lower tolerance
h_i	44,5 mm	Height of inner ring
d_B	14 mm	Fixing bore
L_i	1.048 mm	Pitchcircle diameter fixing holes inner ring
n_i	48	Number of fixing holes in inner ring
VSP_{min}	0,01 mm	Min. bearing preload
VSP_{max}	0,05 mm	Maximum bearing preload
	0,07 mm	Running accuracy A (related to the raceway)
	0,07 mm	Running accuracy B (related to the raceway)
	0,11 mm	Running accuracy C (related to the raceway)
	0,11 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	340.000 N	Basic dynamic load rating, axial
C_r	241.000 N	Basic dynamic load rating, radial (for radial load only)
C_{0a}	1.440.000 N	Basic static load rating, axial
C_{0r}	710.000 N	Basic static load rating, radial (for radial load only)
n_G	35 1/min	Limiting speed
$F_{r\ zu.}$	198.200 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