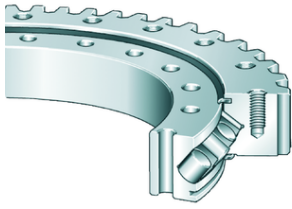




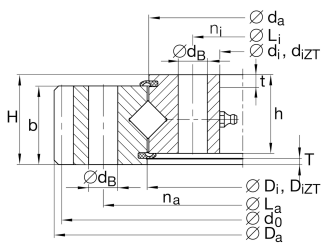
XA120235-N [↗](#)

Slewing ring, crossed roller bearing, external gear teeth

Crossed roller bearings with external gear teeth, sealed



Technical information



Your current product variant

Gearing	N	Normalized gear teeth on bearing ring
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Main Dimensions & Performance Data

d ₁	171 mm	Bore Diameter
D _a	318,8 mm	Outside Diameter
H	40 mm	Height
≈m	13,21 kg	Weight



Dimensions

D_i	236 mm	Inner diameter outer ring
h_a	35 mm	Width outer ring
L_a	275 mm	Pitchcircle diameter fixing holes outer ring
n_a	12	Number of fixing holes in outer ring
b	35 mm	Width gearing
m	4 mm	Modul of gearing
z	78	Number of teeth
d_0	312 mm	Pitch circle diameter gearing
$F_{z \text{ norm}}$	11.000 N	Max. tooth force root fatigue strenght (at a shock factor of 1,2)
$F_{z \text{ max}}$	16.100 N	Max. tooth force against tooth fracture (at a shock factor of 1,35)
d_a	234 mm	Outside diameter inner ring
	0,2 mm	Outside diameter inner ring upper tolerance
	-0,2 mm	Outside diameter inner ring lower tolerance
h	35 mm	Height of individual ring
d_B	13 mm	Fixing bore
L_i	195 mm	Pitchcircle diameter fixing holes inner ring
n_i	12	Number of fixing holes in inner ring

Temperature range

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



Calculation factors

C_a	129.000 N	Basic dynamic load rating, axial
C_{0a}	280.000 N	Basic static load rating, axial
C_r	92.000 N	Basic dynamic load rating, radial (for radial load only)
C_{0r}	138.000 N	Basic static load rating, radial (for radial load only)
VSP max	0,02 mm	Maximum bearing preload
VSP min	0 mm	Min. bearing preload
$F_{r\text{ zul}}$	53.000 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