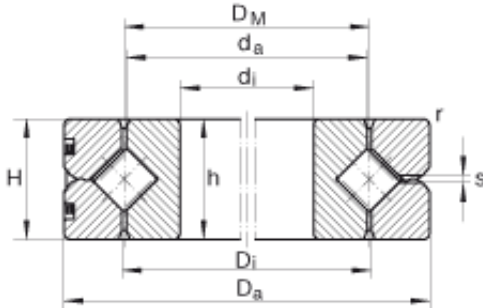




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SX011820 Cross Cylindrical Roller Bearing INA Structure



SX011820 Bearing 2D drawings and 3D CAD models

Bearing No. SX011820

Size	100x125x13 mm
Bore Diameter	100 mm
Outer Diameter	125 mm
Width	13 mm
d_i - 100 mm / Tolerance: K6+0,004 / -0,018	100 mm / Tolerance: K6+0,004 / 0,018
D_a - 125 mm / Tolerance: h6 -0,025	125 mm / Tolerance: h6 0,025
H - 13 mm / Tolerance: +/-0,12	13 mm / Tolerance: +/-0,12
D_i	112,5 mm
D_M	112 mm
d_a	111,5 mm
h - 13 mm / Tolerance: E8 -0,01	13 mm / Tolerance: E8 0,01
r_{min}	1 mm
S	1,2 mm
m	0,5 kg / Weight
	0,010 mm / Running accuracy, radial
	0,010 mm / Running accuracy, axial
$S_{r min}$	0,005 mm / Min. radial bearing clearance
$S_{r max}$	0,020 mm / Max. radial bearing clearance
$S_{k min}$	0,010 mm / Min. axial tilting clearance



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$S_{k \max}$	0,04 mm / Max. axial tilting clearance
RLO_{\max}	0,004 mm / Low clearance: Radial clearance
RLO_{\max}	0,008 mm / Low clearance: Preload
VSP_{\min}	0,005 mm / Min. bearing preload
VSP_{\max}	0,020 mm / Max. bearing preload
C_a	27000 N / Dynamic load rating (axial)
C_{0a}	102000 N / Static load rating (axial)
C_r	19400 N / Dynamic load rating (radial) (for radial load only)
C_{0r}	40500 N / Static load rating (radial) (for radial load only)
$n_{G \text{ Oil}}$	1360 1/min / Limiting speed for oil lubrication with normal clearance
$n_{G \text{ Fett}}$	680 1/min / Limiting speed for grease lubrication with normal clearance
$n_{G \text{ Oil}}$	680 1/min / Limiting speed for oil lubrication with preload
Category	Ball Bearings
Inventory	0.0
Manufacturer Name	SCHAEFFLER GROUP
Minimum Buy Quantity	N/A
Weight / Kilogram	0.599
Product Group	B00234