



TFI Bearing Co.,Ltd

SX011814 high rigidity Crossed Cylindrical Roller Bearing INA structure



SX011814 Bearing 2D drawings and 3D CAD models

Bearing No. SX011814

Size	70x90x10 mm
Bore Diameter	70 mm
Outer Diameter	90 mm
Width	10 mm
d_i - 70 mm / Tolerance: K6+0,004 / -0,015	70 mm / Tolerance: K6+0,004 / 0,015
D_a - 90 mm / Tolerance: h6 -0,022	90 mm / Tolerance: h6 0,022
H - 10 mm / Tolerance: +/-0,10	10 mm / Tolerance: +/-0,10
D_i	80,5 mm
D_M	80 mm
d_a	79,5 mm
h - 10 mm / Tolerance: E8 -0,01	10 mm / Tolerance: E8 0,01
r_{min}	0,6 mm
S	1,2 mm
m	0,3 kg / Weight
	0,010 mm / Running accuracy, radial
	0,010 mm / Running accuracy, axial
$S_{r min}$	0,003 mm / Min. radial bearing clearance
$S_{r max}$	0,015 mm / Max. radial bearing clearance
$S_{k min}$	0,006 mm / Min. axial tilting clearance



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$S_{k \max}$	0,03 mm / Max. axial tilting clearance
RLO_{\max}	0,003 mm / Low clearance: Radial clearance
RLO_{\max}	0,006 mm / Low clearance: Preload
VSP_{\min}	0,003 mm / Min. bearing preload
VSP_{\max}	0,015 mm / Max. bearing preload
C_a	15400 N / Dynamic load rating (axial)
C_{0a}	51000 N / Static load rating (axial)
C_r	11000 N / Dynamic load rating (radial)(for radial load only)
C_{0r}	20400 N / Static load rating (radial)(for radial load only)
$n_{G \text{ Oil}}$	1910 1/min / Limiting speed for oil lubrication with normal clearance
$n_{G \text{ Fett}}$	955 1/min / Limiting speed for grease lubrication with normal clearance
$n_{G \text{ Oil}}$	955 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	0.275
EAN	4047643190541
Product Group	B00234