



# TFI Bearing Co.,Ltd

## SX011824 Cross Cylindrical Roller Bearing INA Structure



Bearing No. SX011824

SX011824 Bearing 2D drawings and 3D CAD models

Size	120x150x16 mm
Bore Diameter	120 mm
Outer Diameter	150 mm
Width	16 mm
$d_i$ - 120 mm / Tolerance: K6+0,004 / -0,018	120 mm / Tolerance: K6+0,004 / 0,018
$D_a$ - 150 mm / Tolerance: h6 -0,025	150 mm / Tolerance: h6 0,025
H - 16 mm / Tolerance: +/-0,12	16 mm / Tolerance: +/0,12
$D_i$	135,6 mm
$D_M$	135 mm
$d_a$	134,4 mm
h - 16 mm / Tolerance: E8 -0,01	16 mm / Tolerance: E8 0,01
$r_{min}$	1 mm
S	1,5 mm
m	0,8 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
$C_a$	38000 N / Dynamic load rating (axial)
$C_{0a}$	146000 N / Static load rating (axial)
$C_r$	27000 N / Dynamic load rating (radial)(for radial load only)
$C_{0r}$	59000 N / Static load rating (radial)(for radial load only)
$n_{G \text{ Oil}}$	1130 1/min / Limiting speed for oil lubrication with normal clearance
$n_{G \text{ Fett}}$	565 1/min / Limiting speed for grease lubrication with normal clearance
$n_{G \text{ Oil}}$	565 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	0.958
Product Group	B00234