



# Crossed roller bearings SX011868 (Series SX)

dimension series 18 to DIN 616

The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all the guidelines in these overview pages. Further information is given on many products under the menu item "Description". You can also order comprehensive information via the Catalogue ordering system (<http://www.ina.de/content.ina.de/en/mediathek/library/library.jsp>) or by telephone on +49 (91 32) 82 - 28 97.

di	340 mm	Tolerance: K6 +0,007 / -0,029
Da	420 mm	Tolerance: h6 -0,040
H	38 mm	Bearing section height Tolerance: +/-0,14
da	379,2 mm	
Di	380,8 mm	
DM	380 mm	
h	38 mm	Height of individual ring Tolerance: E8 -0,05
rmin	2,1 mm	
S	2,5 mm	Lubrication hole: 3 holes spaced evenly around the circumference
m	13,5 kg	Mass
	0,025 mm	Running accuracy, radial
	0,010 mm	Running accuracy, axial
Sr min	0,010 mm	Min. radial bearing clearance
Sr max	0,040 mm	Maximum radial bearing clearance
Sk min	0,020 mm	Min. axial tilting clearance
Sk max	0,08 mm	Maximum axial tilting clearance
RLOmax	0,005 mm	Low clearance: Radial clearance
RLOmax	0,010 mm	Low clearance: Preload

VSP <sub>min</sub>	0,005 mm	Min. bearing preload
VSP <sub>max</sub>	0,025 mm	Maximum bearing preload
C <sub>a</sub>	260000 N	Basic dynamic load rating, axial
C <sub>0a</sub>	1220000 N	Basic static load rating, axial
C <sub>r</sub>	185000 N	Basic dynamic load rating, radial (for radial load only)
C <sub>0r</sub>	485000 N	Basic static load rating, radial (for radial load only)
ng Öl	400 1/min	Limiting speed for oil lubrication with normal clearance
ng Fett	200 1/min	Limiting speed for grease lubrication with normal clearance
ng Öl	200 1/min	Limiting speed for oil lubrication with preload
ng Fett	100 1/min	Limiting speed for grease lubrication with preload
61868 Dimensions identical to ISO dimension series 18		

