



**SX011880 Cross Cylindrical Roller Bearing INA
Structure**



Bearing No. SX011880

SX011880 Bearing 2D drawings and 3D CAD models

Size	400x500x46 mm
Bore Diameter	400 mm
Outer Diameter	500 mm
Width	46 mm
d_i - 400 mm / Tolerance: K6 +0,007 / -0,029	400 mm / Tolerance: K6 +0,007 / 0,029
D_a - 500 mm / Tolerance: h6 -0,040	500 mm / Tolerance: h6 0,040
H - 46 mm / Tolerance: +/-0,15	46 mm / Tolerance: +/-0,15
D_i	451 mm
D_M	450 mm
d_a	449 mm
h - 46 mm / Tolerance: E8 -0,05	46 mm / Tolerance: E8 0,05
r_{min}	2,1 mm
S	2,5 mm
m	24 kg / Weight
	0,030 mm / Running accuracy, radial
	0,010 mm / Running accuracy, axial
$S_{r min}$	0,010 mm / Min. radial bearing clearance
$S_{r max}$	0,050 mm / Max. radial bearing clearance
$S_{k min}$	0,020 mm / Min. axial tilting clearance



KSB Bearing Sales Co.,Ltd

$S_{k \max}$	0,10 mm / Max. axial tilting clearance
RLO_{\max}	0,005 mm / Low clearance: Radial clearance
RLO_{\max}	0,010 mm / Low clearance: Preload
VSP_{\min}	0,005 mm / Min. bearing preload
VSP_{\max}	0,025 mm / Max. bearing preload
C_a	385000 N / Dynamic load rating (axial)
C_{0a}	1800000 N / Static load rating (axial)
C_r	275000 N / Dynamic load rating (radial) (for radial load only)
C_{0r}	720000 N / Static load rating (radial) (for radial load only)
$n_{G \text{OI}}$	340 1/min / Limiting speed for oil lubrication with normal clearance
$n_{G \text{Fett}}$	170 1/min / Limiting speed for grease lubrication with normal clearance
$n_{G \text{OI}}$	170 1/min / Limiting speed for oil lubrication with preload