

SX011880 INA 400x500x46mm nG 01 170 1/min / Limiting speed for oil lubrication with preload Complex bearings

Bearing number	SX011880
Size (mm)	400x500x46
Brand	INA
Bore Diameter (mm)	400
Outer Diameter (mm)	500
Width (mm)	46
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
$S_{k \max}$	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)
$n_{G \text{ oil}}$	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
$n_{G \text{ oil}}$	170 1/min / Limiting speed for oil lubrication with preload