

# SX011836 INA VSP<sub>min</sub> 0.005 mm / Min. bearing preload 180x225x22mm Complex bearings

Bearing number	SX011836
Size (mm)	180x225x22
Brand	INA
Bore Diameter (mm)	180
Outer Diameter (mm)	225
Width (mm)	22
$d_i$ – 180 mm / Tolerance: K6 +0,004 / -0,021	180 mm / Tolerance: K6 +0.004 / 0.021
$D_a$ – 225 mm / Tolerance: h6 -0,029	225 mm / Tolerance: h6 0.029
H – 22 mm / Tolerance: +/-0,13	22 mm / Tolerance: +/-0.13
$D_i$	202.8 mm
$D_M$	202 mm
$d_a$	201.2 mm
h – 22 mm / Tolerance: E8 -0,025	22 mm / Tolerance: E8 0.025
$r_{min}$	1.1 mm
S	2 mm
m	2.3 kg / Weight
	0.015 mm / Running accuracy. radial
	0.010 mm / Running accuracy. axial

$S_{r \min}$	0.005 mm / Min. radial bearing clearance
$S_{r \max}$	0.025 mm / Max. radial bearing clearance
$S_{k \min}$	0.010 mm / Min. axial tilting clearance
$S_{k \max}$	0.05 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
$C_a$	96000 N / Dynamic load rating (axial)
$C_{\theta a}$	380000 N / Static load rating (axial)
$C_r$	69000 N / Dynamic load rating (radial)(for radial load only)
$C_{\theta r}$	153000 N / Static load rating (radial)(for radial load only)
$n_{G \text{ oil}}$	755 1/min / Limiting speed for oil lubrication with normal clearance
$n_{G \text{ Fett}}$	375 1/min / Limiting speed for grease lubrication with normal clearance
$n_{G \text{ oil}}$	375 1/min / Limiting speed for oil lubrication with preload
Category	Bearings
BDI Inventory	0.0
Manufacturer Name	SCHAEFFLER GROUP
Minimum Buy Quantity	N/A
Weight / Kilogram	2.754
Product Group – BDI	B04144