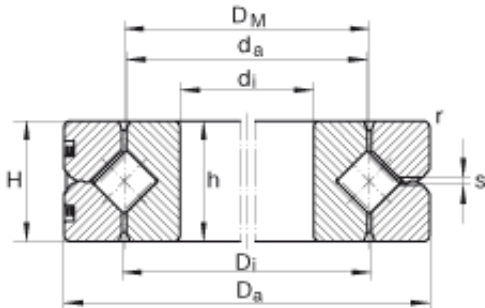


## SX011836 Cross Cylindrical Roller Bearing INA Structure



SX011836 Bearing 2D drawings and 3D CAD models

Bearing No. SX011836

|   |   |
|---|---|
| Size  | 180x225x22 mm                               |
| Bore Diameter                                     | 180 mm                                      |
| Outer Diameter                                    | 225 mm                                      |
| Width   | 22 mm                                       |
| $d_i$ - 180 mm / Tolerance: K6<br>+0,004 / -0,021 | 180 mm / Tolerance: K6<br>+0,004 / 0,021    |
| $D_a$ - 225 mm / Tolerance:<br>h6 -0,029          | 225 mm / Tolerance: h6<br>0,029             |
| H - 22 mm / Tolerance:<br>+/-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<br>-0,025               | 22 mm / Tolerance: E8<br>0,025              |
| $r_{min}$   | 1,1 mm                                      |
| S   | 2 mm  |
| m   | 2,3 kg / Weight                             |
|   | 0,015 mm / Running<br>accuracy, radial      |
|   | 0,010 mm / Running<br>accuracy, axial       |
| $S_{r min}$                                       | 0,005 mm / Min. radial<br>bearing clearance |
| $S_{r max}$                                       | 0,025 mm / Max. radial<br>bearing clearance |
| $S_{k min}$                                       | 0,010 mm / Min. axial tilting<br>clearance  |



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|                      |   |
|----------------------|---|
| $S_{k \max}$         | 0,05 mm / Max. axial tilting clearance                                  |
| $RLO_{\max}$         | 0,005 mm / Low clearance:<br>Radial clearance                           |
| $RLO_{\max}$         | 0,010 mm / Low clearance:<br>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)                                   |
| $C_{0a}$             | 380000 N / Static load rating (axial)                                   |
| $C_r$                | 69000 N / Dynamic load rating (radial) (for radial load only)           |
| $C_{0r}$             | 153000 N / Static load rating (radial) (for radial load only)           |
| $n_{G \text{OI}}$    | 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 |
| $n_{G \text{OI}}$    | 375 1/min / Limiting speed for oil lubrication with preload             |
| Category             | Bearings  |
| Inventory            | 0.0   |
| Manufacturer Name    | SCHAEFFLER GROUP  |
| Minimum Buy Quantity | N/A   |
| Weight / Kilogram    | 2.754   |
| Product Group        | B04144  |