

# 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 /<br>Tolerance: K6<br>+0,007 / -0,029 | 400 mm / Tolerance: K6 +0.007 / 0.029 |
| $D_a$ – 500 mm /<br>Tolerance: h6<br>-0,040          | 500 mm / Tolerance: h6 0.040          |
| H – 46 mm /<br>Tolerance: +/-0,15                    | 46 mm / Tolerance: +/-0.15            |
| $D_i$  | 451 mm                                |
| $D_M$  | 450 mm                                |
| $d_a$  | 449 mm                                |
| h – 46 mm /<br>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             |