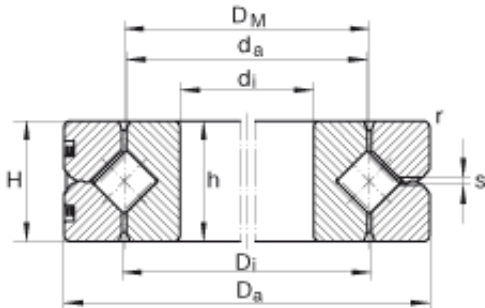


SX011824 Cross Cylindrical Roller Bearing INA Structure



SX011824 Bearing 2D drawings and 3D CAD models

Bearing No. SX011824

| | |
|---|--|
| Size | 120x150x16 mm |
| Bore Diameter | 120 mm |
| Outer Diameter | 150 mm |
| Width | 16 mm |
| d_i - 120 mm / Tolerance: K6+0,004 / -0,018 | 120 mm / Tolerance: K6+0,004 / 0,018 |
| D_a - 150 mm / Tolerance: h6 -0,025 | 150 mm / Tolerance: h6 0,025 |
| H - 16 mm / Tolerance: +/-0,12 | 16 mm / Tolerance: +/-0,12 |
| D_i | 135,6 mm |
| D_M | 135 mm |
| d_a | 134,4 mm |
| h - 16 mm / Tolerance: E8 -0,01 | 16 mm / Tolerance: E8 0,01 |
| r_{min} | 1 mm |
| S | 1,5 mm |
| m | 0,8 kg / Weight |
| | 0,010 mm / Running accuracy, radial |
| | 0,010 mm / Running accuracy, axial |
| $S_{r min}$ | 0,005 mm / Min. radial bearing clearance |
| $S_{r max}$ | 0,020 mm / Max. radial bearing clearance |
| $S_{k min}$ | 0,010 mm / Min. axial tilting clearance |



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| | |
|----------------------|---|
| $S_{k\ max}$ | 0,04 mm / Max. axial tilting clearance |
| RLO_{\max} | 0,004 mm / Low clearance: Radial clearance |
| RLO_{\max} | 0,008 mm / Low clearance: Preload |
| VSP_{\min} | 0,005 mm / Min. bearing preload |
| VSP_{\max} | 0,020 mm / Max. bearing preload |
| C_a | 38000 N / Dynamic load rating (axial) |
| C_{0a} | 146000 N / Static load rating (axial) |
| C_r | 27000 N / Dynamic load rating (radial)(for radial load only) |
| C_{0r} | 59000 N / Static load rating (radial)(for radial load only) |
| $n_{G\ Oil}$ | 1130 1/min / Limiting speed for oil lubrication with normal clearance |
| $n_{G\ Fett}$ | 565 1/min / Limiting speed for grease lubrication with normal clearance |
| $n_{G\ Oil}$ | 565 1/min / Limiting speed for oil lubrication with preload |
| Category | Ball Bearings |
| Inventory | 0.0 |
| Manufacturer Name | SCHAEFFLER GROUP |
| Minimum Buy Quantity | N/A |
| Weight / Kilogram | 0.958 |
| EAN | 4012802142334 |
| Product Group | B00234 |