



# SKF BEARING MANUFACTURING CO.,LTD.



## 55 mm x 120 mm x 29 mm FAG 30311-A tapered roller bearings

Bearing No. 30311-A

|                       |                 |
|-----------------------|-----------------|
| Size                  | 55x120x31.5 mm  |
| Bore Diameter         | 55 mm           |
| Outer Diameter        | 120 mm          |
| Width                 | 31,5 mm         |
| d                     | 55 mm           |
| D                     | 120 mm          |
| T                     | 31,5 mm         |
| a                     | 25 mm           |
| B                     | 29 mm           |
| C                     | 25 mm           |
| $C_{a \text{ min}}$   | 4 mm            |
| $C_{b \text{ min}}$   | 6,5 mm          |
| $D_{a \text{ max}}$   | 110 mm          |
| $D_{a \text{ min}}$   | 104 mm          |
| $D_{b \text{ min}}$   | 111 mm          |
| $d_1$                 | 84,7 mm         |
| $d_{a \text{ max}}$   | 71 mm           |
| $d_{b \text{ min}}$   | 65 mm           |
| $r_{1,2 \text{ min}}$ | 2,5 mm          |
| $r_{3,4 \text{ min}}$ | 2 mm            |
| $r_{a \text{ max}}$   | 2,5 mm          |
| $r_{b \text{ max}}$   | 2 mm            |
| m                     | 1,8 kg / Weight |
| C                     | 151000 N        |

30311-A Bearing 2D drawings and 3D CAD models



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|          |   |
|----------|---|
| r        |   |
| $C_{0r}$ | 173000 N / Static load rating<br>(radial) |
| e        | 0,35                                      |
| Y        | 1,74                                      |
| $Y_0$    | 0,96                                      |
| $C_{ur}$ | 20600 N / Fatigue limit load,<br>radial   |
| $n_G$    | 6200 1/min / Limiting speed               |
| $n_B$    | 4500 1/min / Reference<br>speed           |