



Bearing No. 32317 J2

|                     |                 |
|---------------------|-----------------|
| D                   | 180 mm          |
| d                   | 85 mm           |
| T                   | 63.5 mm         |
| B                   | 60 mm           |
| C                   | 49 mm           |
| a                   | 42 mm           |
| series:             | 323             |
| Category            | Roller Bearings |
| Inventory           | 0.0             |
| Size (mm)           | 180x85x63.5     |
| cup width:          | 49 mm           |
| Width (mm)          | 63,5            |
| cone width:         | 60 mm           |
| flange type:        | Non-Flanged Cup |
| maximum rpm:        | 4000 RPM        |
| Product Group       | B04334          |
| closure type:       | Open            |
| d <sub>1</sub>      | 127 mm          |
| bore diameter:      | 85 mm           |
| assembly type:      | Cone & Cup      |
| cage material:      | Steel           |
| Limiting speed      | 4000 r/min      |
| Bearing number      | 32317 J2        |
| Reference speed     | 2800 r/min      |
| finish/coating:     | Uncoated        |
| Weight / Kilogram   | 7.03            |
| outside diameter:   | 180 mm          |
| Manufacturer Name   | SKF             |
| Bore Diameter (mm)  | 180             |
| Outer Diameter (mm) | 85              |

|                                  |                    |
|----------------------------------|--------------------|
| $D_b$ - min.                     | 167 mm             |
| $d_a$ - max.                     | 103 mm             |
| $d_b$ - min.                     | 99 mm              |
| $D_a$ - min.                     | 150 mm             |
| $D_a$ - max.                     | 166 mm             |
| Minimum Buy Quantity             | N/A                |
| $C_a$ - min.                     | 8 mm               |
| $C_b$ - min.                     | 14.5 mm            |
| $r_a$ - max.                     | 4 mm               |
| $r_b$ - max.                     | 3 mm               |
| static load capacity:            | 560 kN             |
| $r_{1,2}$ - min.                 | 4 mm               |
| dynamic load capacity:           | 391 kN             |
| Calculation factor - Y           | 1.7                |
| Calculation factor - e           | 0.35               |
| $r_{3,4}$ - min.                 | 3 mm               |
| operating temperature range:     | Maximum of +250 °F |
| Basic dynamic load rating - C    | 402 kN             |
| Fatigue load limit - $P_u$       | 60 kN              |
| Calculation factor - $Y_0$       | 0.9                |
| Basic static load rating - $C_0$ | 530 kN             |