



### Bearing No. 33207/Q

|                       |                 |
|-----------------------|-----------------|
| C                     | 22 mm           |
| a                     | 18.084 mm       |
| d                     | 35 mm           |
| D                     | 72 mm           |
| T                     | 28 mm           |
| B                     | 28 mm           |
| series:               | 332             |
| Category              | Roller Bearings |
| Size (mm)             | 72x35x28        |
| Inventory             | 0.0             |
| cup width:            | 22 mm           |
| Width (mm)            | 28              |
| cone width:           | 28 mm           |
| maximum rpm:          | 9500 RPM        |
| flange type:          | Non-Flanged Cup |
| Product Group         | B04334          |
| d <sub>1</sub>        | 53.45 mm        |
| closure type:         | Open            |
| bore diameter:        | 35 mm           |
| Limiting speed        | 9500 r/min      |
| assembly type:        | Cone & Cup      |
| Bearing number        | 33207/Q         |
| finish/coating:       | Uncoated        |
| Reference speed       | 6300 r/min      |
| Manufacturer Name     | SKF             |
| outside diameter:     | 72 mm           |
| Weight / Kilogram     | 0.543           |
| Bore Diameter (mm)    | 72              |
| Outer Diameter (mm)   | 35              |
| C <sub>b</sub> - min. | 6 mm            |

|                                  |                    |
|----------------------------------|--------------------|
| Minimum Buy Quantity             | N/A                |
| $r_a$ - max.                     | 1.5 mm             |
| $d_a$ - max.                     | 42 mm              |
| $d_b$ - min.                     | 42 mm              |
| $D_a$ - min.                     | 61 mm              |
| $D_a$ - max.                     | 65 mm              |
| $D_b$ - min.                     | 68 mm              |
| $C_a$ - min.                     | 5 mm               |
| $r_b$ - max.                     | 1.5 mm             |
| static load capacity:            | 106 kN             |
| Calculation factor - Y           | 1.7                |
| $r_{3,4}$ - min.                 | 1.5 mm             |
| $r_{1,2}$ - min.                 | 1.5 mm             |
| dynamic load capacity:           | 84.2 kN            |
| Calculation factor - e           | 0.35               |
| operating temperature range:     | Maximum of +250 °F |
| Basic dynamic load rating - C    | 84.2 kN            |
| Calculation factor - $Y_0$       | 0.9                |
| Fatigue load limit - $P_u$       | 11.8 kN            |
| Basic static load rating - $C_0$ | 106 kN             |