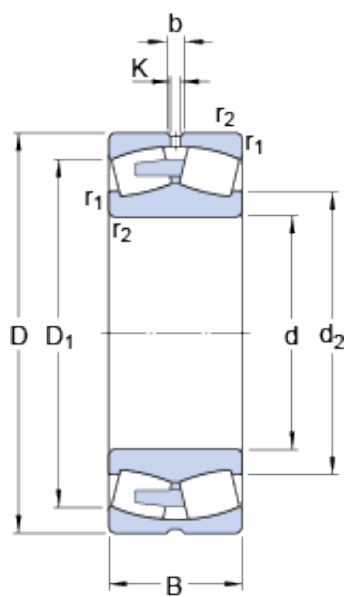




Bearing No. 23188 CA/W33

|                |                              |
|----------------|------------------------------|
| K              | 12 mm                        |
| D              | 720 mm                       |
| b              | 22.3 mm                      |
| B              | 226 mm                       |
| d              | 440 mm                       |
| Bore           | 17.323 Inch   440 Millimeter |
| Noun           | Bearing                      |
| Width          | 8.898 Inch   226 Millimeter  |
| UNSPSC         | 31171510                     |
| series:        | Spherical Roller 231 Series  |
| Category       | Spherical Roller Bearing     |
| Enclosure      | Open                         |
| Size (mm)      | 720x440x226                  |
| Inventory      | 0.0                          |
| Width (mm)     | 226                          |
| bore type:     | Tapered 1:12                 |
| application:   | Heavy Duty                   |
| Bore Profile   | Straight                     |
| Weight / LBS   | 864.872                      |
| Mass bearing   | 360 kg                       |
| Product Group  | B04311                       |
| Inch - Metric  | Metric                       |
| Cage Material  | Bronze                       |
| D <sub>1</sub> | 632 mm                       |
| closure type:  | Open                         |
| d <sub>2</sub> | 529 mm                       |
| Keyword String | Spherical                    |
| Withdrawal Nut | Not Applicable               |

|                     |                                                                                                                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| overall width:      | 226 mm                                                                                                                                                                                                               |
| cage material:      | Brass                                                                                                                                                                                                                |
| Relubricatable      | Yes                                                                                                                                                                                                                  |
| bore diameter:      | 440 mm                                                                                                                                                                                                               |
| Bearing number      | 23188 CA/W33                                                                                                                                                                                                         |
| Limiting speed      | 850 r/min                                                                                                                                                                                                            |
| Rolling Element     | Spherical Roller Bearing                                                                                                                                                                                             |
| Mounting Method     | Shaft Mount                                                                                                                                                                                                          |
| Reference speed     | 450 r/min                                                                                                                                                                                                            |
| Long Description    | 440MM Straight Bore;<br>720MM Outside<br>Diameter; 226MM<br>Width; C0-Medium<br>Clearance; Shaft Mount;<br>Double Row of Spherical<br>Roller Bearings; Bronze<br>Cage Material; Open<br>Enclosure;<br>Relubricatable |
| outer ring type:    | Not Split                                                                                                                                                                                                            |
| Outside Diameter    | 28.346 Inch   720<br>Millimeter                                                                                                                                                                                      |
| Manufacturer URL    | <a href="http://www.skf.com">http://www.skf.com</a>                                                                                                                                                                  |
| outside diameter:   | 720 mm                                                                                                                                                                                                               |
| Withdrawal Sleeve   | Not Applicable                                                                                                                                                                                                       |
| Manufacturer Name   | SKF                                                                                                                                                                                                                  |
| Weight / Kilogram   | 392.652                                                                                                                                                                                                              |
| Internal Clearance  | C0-Medium                                                                                                                                                                                                            |
| Bore Diameter (mm)  | 720                                                                                                                                                                                                                  |
| r <sub>a</sub> max. | 5 mm                                                                                                                                                                                                                 |
| D <sub>a</sub> max. | 694 mm                                                                                                                                                                                                               |
| d <sub>a</sub> min. | 466 mm                                                                                                                                                                                                               |
| Outer Diameter (mm) | 440                                                                                                                                                                                                                  |
| internal clearance: | C0                                                                                                                                                                                                                   |
| Adapter Part Number | Not Applicable Inch   Not                                                                                                                                                                                            |

|                                  | Applicable Millimeter |
|----------------------------------|-----------------------|
| $r_a$ - max.                     | 5 mm                  |
| Minimum Buy Quantity             | N/A                   |
| $D_a$ - max.                     | 694 mm                |
| Calculation factor e             | 0.3                   |
| $d_a$ - min.                     | 466 mm                |
| $r_{1,2}$ min.                   | 6 mm                  |
| $D_1$ ?                          | 632 mm                |
| $d_2$ ?                          | 529 mm                |
| lubrication hole type:           | Holes on Outer Ring   |
| $r_{1,2}$ - min.                 | 6 mm                  |
| Harmonized Tariff Code           | 84823080              |
| Calculation factor - e           | 0.3                   |
| Number of Rows of Rollers        | Double Row            |
| Basic dynamic load rating C      | 6215 kN               |
| operating temperature range:     | 392 Degrees °F        |
| Basic dynamic load rating - C    | 6215 kN               |
| Fatigue load limit $P_u$         | 670 kN                |
| Calculation factor $Y_0$         | 2.2                   |
| Calculation factor $Y_2$         | 3.4                   |
| Calculation factor $Y_1$         | 2.3                   |
| Calculation factor - $Y_2$       | 3.4                   |
| Fatigue load limit - $P_u$       | 670 kN                |
| Calculation factor - $Y_0$       | 2.2                   |
| Calculation factor - $Y_1$       | 2.3                   |
| Basic static load rating $C_0$   | 10000 kN              |
| Basic static load rating - $C_0$ | 10000 kN              |

