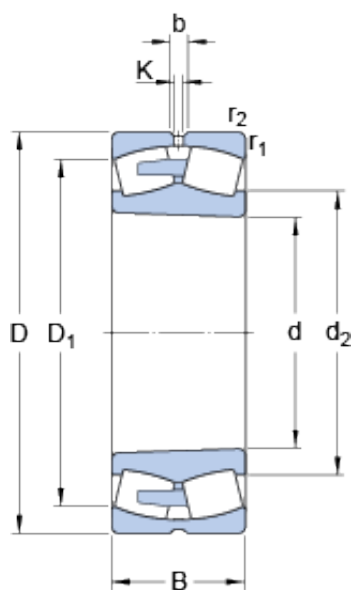




Bearing No. 23196 CAK/W33

|                |                                           |
|----------------|-------------------------------------------|
| K              | 12 mm                                     |
| D              | 790 mm                                    |
| b              | 22.3 mm                                   |
| B              | 248 mm                                    |
| d              | 480 mm                                    |
| Bore           | 18.898 Inch   480 Millimeter              |
| Noun           | Bearing                                   |
| Width          | 9.764 Inch   248 Millimeter               |
| UNSPSC         | 31171510                                  |
| series:        | Spherical Roller 231 Series               |
| Category       | Spherical Roller Bearing                  |
| Enclosure      | Open                                      |
| Size (mm)      | 790x480x248                               |
| Inventory      | 0.0                                       |
| Width (mm)     | 248                                       |
| bore type:     | Tapered 1:12                              |
| application:   | Heavy Duty                                |
| Bore Profile   | Tapered                                   |
| Weight / LBS   | 1,135.159                                 |
| Mass bearing   | 470 kg                                    |
| Product Group  | B04311                                    |
| Inch - Metric  | Metric                                    |
| Cage Material  | Bronze                                    |
| closure type:  | Open                                      |
| D <sub>1</sub> | 692 mm                                    |
| d <sub>2</sub> | 579 mm                                    |
| Other Features | Order adapter or withdrawal sleeve or nut |

|                     |                                                                                                                                                                                                          |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                     | separately. Others may be available                                                                                                                                                                      |
| Keyword String      | Spherical                                                                                                                                                                                                |
| Withdrawal Nut      | HM3196                                                                                                                                                                                                   |
| overall width:      | 248 mm                                                                                                                                                                                                   |
| cage material:      | Bronze                                                                                                                                                                                                   |
| Relubricatable      | Yes                                                                                                                                                                                                      |
| bore diameter:      | 480 mm                                                                                                                                                                                                   |
| Bearing number      | 23196 CAK/W33                                                                                                                                                                                            |
| Limiting speed      | 750 r/min                                                                                                                                                                                                |
| Rolling Element     | Spherical Roller Bearing                                                                                                                                                                                 |
| Mounting Method     | Adapter Mount                                                                                                                                                                                            |
| Reference speed     | 400 r/min                                                                                                                                                                                                |
| Long Description    | 480MM Tapered Bore; 790MM Outside Diameter; 248MM Width; C0-Medium Clearance; Adapter Mount; Double Row of Spherical Roller Bearings; Bronze Cage Material; Open Enclosure; Relubricatable; Adapter Part |
| outer ring type:    | Not Split                                                                                                                                                                                                |
| Outside Diameter    | 31.102 Inch   790 Millimeter                                                                                                                                                                             |
| Manufacturer URL    | <a href="http://www.skf.com">http://www.skf.com</a>                                                                                                                                                      |
| outside diameter:   | 790 mm                                                                                                                                                                                                   |
| Withdrawal Sleeve   | AH3196 AOHX3196 (Specify bore)                                                                                                                                                                           |
| Weight / Kilogram   | 514.899                                                                                                                                                                                                  |
| Manufacturer Name   | SKF                                                                                                                                                                                                      |
| r <sub>a</sub> max. | 6 mm                                                                                                                                                                                                     |
| D <sub>a</sub> max. | 758 mm                                                                                                                                                                                                   |
|                     |                                                                                                                                                                                                          |

|                                  |                                                                     |
|----------------------------------|---------------------------------------------------------------------|
| Bore Diameter (mm)               | 790                                                                 |
| Internal Clearance               | C0-Medium                                                           |
| internal clearance:              | C0                                                                  |
| Adapter Part Number              | SNP3196 (Specify bore)<br>Inch   H3196 (Specify<br>bore) Millimeter |
| Outer Diameter (mm)              | 480                                                                 |
| Calculation factor e             | 0.3                                                                 |
| $r_{1,2}$ min.                   | 7.5 mm                                                              |
| $d_a$ - max.                     | 579 mm                                                              |
| $d_a$ - min.                     | 500 mm                                                              |
| $D_a$ - max.                     | 758 mm                                                              |
| $r_a$ - max.                     | 6 mm                                                                |
| Minimum Buy Quantity             | N/A                                                                 |
| $d_2$ ?                          | 579 mm                                                              |
| $D_1$ ?                          | 692 mm                                                              |
| $r_{1,2}$ - min.                 | 7.5 mm                                                              |
| lubrication hole type:           | Holes on Outer Ring                                                 |
| Calculation factor - e           | 0.3                                                                 |
| Harmonized Tariff Code           | 84823080                                                            |
| Number of Rows of<br>Rollers     | Double Row                                                          |
| Basic dynamic load<br>rating C   | 7362 kN                                                             |
| operating temperature<br>range:  | 392 Degrees °F                                                      |
| Basic dynamic load<br>rating - C | 7362 kN                                                             |
| Fatigue load limit $P_u$         | 780 kN                                                              |
| Calculation factor $Y_1$         | 2.3                                                                 |
| Calculation factor $Y_2$         | 3.4                                                                 |
| Calculation factor $Y_0$         | 2.2                                                                 |
| Fatigue load limit - $P_u$       | 780 kN                                                              |
| Calculation factor - $Y_1$       | 2.3                                                                 |

|                                     |          |
|-------------------------------------|----------|
| Calculation factor - $Y_0$          | 2.2      |
| Calculation factor - $Y_2$          | 3.4      |
| Basic static load rating<br>$C_0$   | 12000 kN |
| Basic static load rating -<br>$C_0$ | 12000 kN |