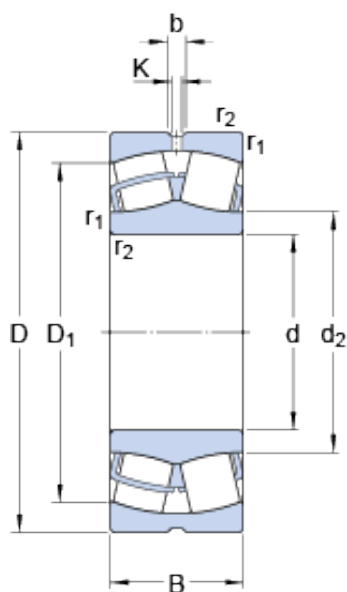




Bearing No. 23218 CC/W33

|                |                                 |
|----------------|---------------------------------|
| b              | 5.5 mm                          |
| K              | 3 mm                            |
| d              | 90 mm                           |
| D              | 160 mm                          |
| B              | 52.4 mm                         |
| Noun           | Bearing                         |
| Bore           | 3.543 Inch   90<br>Millimeter   |
| Width          | 2.063 Inch   52.4<br>Millimeter |
| UNSPSC         | 31171510                        |
| series:        | 232                             |
| Category       | Spherical Roller Bearing        |
| Size (mm)      | 160x90x52.4                     |
| Enclosure      | Open                            |
| Inventory      | 0.0                             |
| bore type:     | Straight                        |
| Width (mm)     | 52,4                            |
| cage type:     | Inner Ring Guided               |
| maximum rpm:   | 3800 RPM                        |
| Weight / LBS   | 10.043                          |
| Bore Profile   | Straight                        |
| Mass bearing   | 4.65 kg                         |
| D <sub>1</sub> | 137 mm                          |
| Cage Material  | Steel                           |
| closure type:  | Open                            |
| d <sub>2</sub> | 106 mm                          |
| Product Group  | B04311                          |
| Inch - Metric  | Metric                          |
| fillet radius: | 2 mm                            |
|                |                                 |

|                     |                                                                                                                                                                                                                   |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| cage material:      | Steel                                                                                                                                                                                                             |
| overall width:      | 52.4 mm                                                                                                                                                                                                           |
| bore diameter:      | 90 mm                                                                                                                                                                                                             |
| Keyword String      | Spherical                                                                                                                                                                                                         |
| Withdrawal Nut      | Not Applicable                                                                                                                                                                                                    |
| Relubricatable      | Yes                                                                                                                                                                                                               |
| Bearing number      | 23218 CC/W33                                                                                                                                                                                                      |
| Limiting speed      | 3800 r/min                                                                                                                                                                                                        |
| finish/coating:     | Uncoated                                                                                                                                                                                                          |
| Rolling Element     | Spherical Roller Bearing                                                                                                                                                                                          |
| Mounting Method     | Shaft Mount                                                                                                                                                                                                       |
| Reference speed     | 2800 r/min                                                                                                                                                                                                        |
| outer ring type:    | Not Split                                                                                                                                                                                                         |
| Manufacturer URL    | <a href="http://www.skf.com">http://www.skf.com</a>                                                                                                                                                               |
| Long Description    | 90MM Straight Bore;<br>160MM Outside<br>Diameter; 52MM Width;<br>C0-Medium Clearance;<br>Shaft Mount; Double<br>Row of Spherical Roller<br>Bearings; Steel Cage<br>Material; Open<br>Enclosure;<br>Relubricatable |
| Outside Diameter    | 6.299 Inch   160<br>Millimeter                                                                                                                                                                                    |
| outside diameter:   | 160 mm                                                                                                                                                                                                            |
| bearing material:   | Steel                                                                                                                                                                                                             |
| outer ring width:   | 52.4 mm                                                                                                                                                                                                           |
| Weight / Kilogram   | 4.56                                                                                                                                                                                                              |
| Withdrawal Sleeve   | Not Applicable                                                                                                                                                                                                    |
| precision rating:   | Not Rated                                                                                                                                                                                                         |
| Manufacturer Name   | SKF                                                                                                                                                                                                               |
| d <sub>a</sub> min. | 101 mm                                                                                                                                                                                                            |
| Bore Diameter (mm)  | 160                                                                                                                                                                                                               |
|                     |                                                                                                                                                                                                                   |

|                                   |                                                 |
|-----------------------------------|-------------------------------------------------|
| D <sub>a</sub> max.               | 149 mm                                          |
| r <sub>a</sub> max.               | 2 mm                                            |
| Internal Clearance                | C0-Medium                                       |
| internal clearance:               | C0                                              |
| Outer Diameter (mm)               | 90                                              |
| Adapter Part Number               | Not Applicable Inch   Not Applicable Millimeter |
| r <sub>1,2</sub> min.             | 2 mm                                            |
| Minimum Buy Quantity              | N/A                                             |
| d <sub>a</sub> - min.             | 101 mm                                          |
| D <sub>a</sub> - max.             | 149 mm                                          |
| r <sub>a</sub> - max.             | 2 mm                                            |
| Calculation factor e              | 0.31                                            |
| D <sub>1</sub> ?                  | 137 mm                                          |
| d <sub>2</sub> ?                  | 106 mm                                          |
| static load capacity:             | 440 kN                                          |
| Calculation factor - e            | 0.31                                            |
| dynamic load capacity:            | 355 kN                                          |
| r <sub>1,2</sub> - min.           | 2 mm                                            |
| lubrication hole type:            | Lubrication Groove & Hole                       |
| Harmonized Tariff Code            | 84823080                                        |
| Number of Rows of Rollers         | Double Row                                      |
| Basic dynamic load rating C       | 372 kN                                          |
| operating temperature range:      | Maximum of +390 °F                              |
| Basic dynamic load rating - C     | 372 kN                                          |
| Calculation factor Y <sub>1</sub> | 2.2                                             |
| Fatigue load limit P <sub>u</sub> | 48 kN                                           |
| Calculation factor Y <sub>2</sub> | 3.3                                             |
| Calculation factor Y <sub>0</sub> | 2.2                                             |
|                                   |                                                 |

|                                     |        |
|-------------------------------------|--------|
| Calculation factor - $Y_1$          | 2.2    |
| Calculation factor - $Y_2$          | 3.3    |
| Calculation factor - $Y_0$          | 2.2    |
| Fatigue load limit - $P_u$          | 48 kN  |
| Basic static load rating<br>$C_0$   | 440 kN |
| Basic static load rating -<br>$C_0$ | 440 kN |