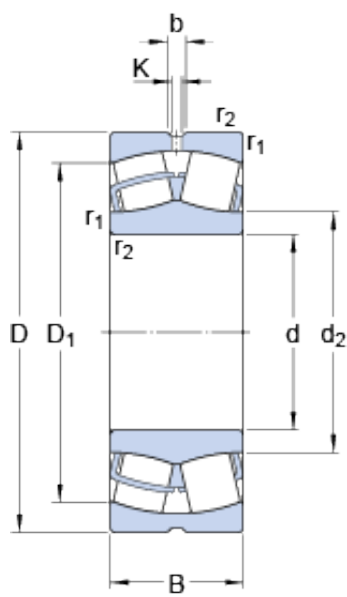




Bearing No. 22206 E

|                |                            |
|----------------|----------------------------|
| b              | 3.7 mm                     |
| K              | 2 mm                       |
| d              | 30 mm                      |
| D              | 62 mm                      |
| B              | 20 mm                      |
| Noun           | Bearing                    |
| Bore           | 1.181 Inch   30 Millimeter |
| Width          | 0.787 Inch   20 Millimeter |
| UNSPSC         | 31171510                   |
| series:        | 222                        |
| Category       | Spherical Roller Bearing   |
| Size (mm)      | 62x30x20                   |
| Enclosure      | Open                       |
| Inventory      | 0.0                        |
| bore type:     | Straight                   |
| Width (mm)     | 20                         |
| cage type:     | Inner Ring Guided          |
| maximum rpm:   | 14000 RPM                  |
| Weight / LBS   | 0.639                      |
| Bore Profile   | Straight                   |
| Mass bearing   | 0.29 kg                    |
| D <sub>1</sub> | 53 mm                      |
| Cage Material  | Steel                      |
| closure type:  | Open                       |
| d <sub>2</sub> | 37.6 mm                    |
| Product Group  | B04311                     |
| Inch - Metric  | Metric                     |
| fillet radius: | 1 mm                       |
|                |                            |

|                     |                                                                                                                                                                                                                  |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| cage material:      | Steel                                                                                                                                                                                                            |
| overall width:      | 20 mm                                                                                                                                                                                                            |
| bore diameter:      | 30 mm                                                                                                                                                                                                            |
| Keyword String      | Spherical                                                                                                                                                                                                        |
| Withdrawal Nut      | Not Applicable                                                                                                                                                                                                   |
| Relubricatable      | Yes                                                                                                                                                                                                              |
| Bearing number      | 22206 E                                                                                                                                                                                                          |
| Limiting speed      | 14000 r/min                                                                                                                                                                                                      |
| Reference speed     | 10000 r/min                                                                                                                                                                                                      |
| finish/coating:     | Uncoated                                                                                                                                                                                                         |
| Rolling Element     | Spherical Roller Bearing                                                                                                                                                                                         |
| Mounting Method     | Shaft Mount                                                                                                                                                                                                      |
| Outside Diameter    | 2.441 Inch   62<br>Millimeter                                                                                                                                                                                    |
| outer ring type:    | Not Split                                                                                                                                                                                                        |
| Long Description    | 30MM Straight Bore;<br>62MM Outside<br>Diameter; 20MM 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 |
| Manufacturer URL    | <a href="http://www.skf.com">http://www.skf.com</a>                                                                                                                                                              |
| Weight / Kilogram   | 0.29                                                                                                                                                                                                             |
| precision rating:   | Not Rated                                                                                                                                                                                                        |
| Withdrawal Sleeve   | Not Applicable                                                                                                                                                                                                   |
| outer ring width:   | 20 mm                                                                                                                                                                                                            |
| outside diameter:   | 62 mm                                                                                                                                                                                                            |
| bearing material:   | Steel                                                                                                                                                                                                            |
| Manufacturer Name   | SKF                                                                                                                                                                                                              |
| D <sub>a</sub> max. | 56.4 mm                                                                                                                                                                                                          |
| Bore Diameter (mm)  | 62                                                                                                                                                                                                               |
|                     |                                                                                                                                                                                                                  |

|                               |                                                 |
|-------------------------------|-------------------------------------------------|
| Internal Clearance            | C0-Medium                                       |
| $r_a$ max.                    | 1 mm                                            |
| $d_a$ min.                    | 35.6 mm                                         |
| internal clearance:           | C0                                              |
| Outer Diameter (mm)           | 30                                              |
| Adapter Part Number           | Not Applicable Inch   Not Applicable Millimeter |
| $d_a$ - min.                  | 35.6 mm                                         |
| $r_{1,2}$ min.                | 1 mm                                            |
| Minimum Buy Quantity          | N/A                                             |
| $D_a$ - max.                  | 56.4 mm                                         |
| $r_a$ - max.                  | 1 mm                                            |
| Calculation factor e          | 0.31                                            |
| $D_1$ ?                       | 53 mm                                           |
| $d_2$ ?                       | 37.6 mm                                         |
| static load capacity:         | 60 kN                                           |
| Calculation factor - e        | 0.31                                            |
| dynamic load capacity:        | 64 kN                                           |
| $r_{1,2}$ - min.              | 1 mm                                            |
| lubrication hole type:        | Lubrication Groove & Hole                       |
| Harmonized Tariff Code        | 84823080                                        |
| Number of Rows of Rollers     | Double Row                                      |
| Basic dynamic load rating C   | 66.1 kN                                         |
| operating temperature range:  | Maximum of +390 °F                              |
| Basic dynamic load rating - C | 66.1 kN                                         |
| Calculation factor $Y_1$      | 2.2                                             |
| Fatigue load limit $P_u$      | 6.4 kN                                          |
| Calculation factor $Y_2$      | 3.3                                             |
| Calculation factor $Y_0$      | 2.2                                             |
|                               |                                                 |

|                                     |         |
|-------------------------------------|---------|
| Calculation factor - $Y_1$          | 2.2     |
| Calculation factor - $Y_2$          | 3.3     |
| Calculation factor - $Y_0$          | 2.2     |
| Fatigue load limit - $P_u$          | 6.4 kN  |
| Basic static load rating<br>$C_0$   | 60 kN   |
| Basic static load rating -<br>$C_0$ | 58.5 kN |