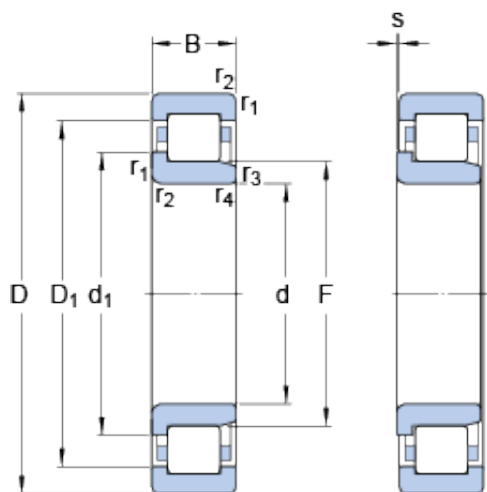




Bearing No. NJ 2205 ECP

|              |                                                             |
|--------------|-------------------------------------------------------------|
| F            | 31.5 mm                                                     |
| d            | 25 mm                                                       |
| D            | 52 mm                                                       |
| B            | 18 mm                                                       |
| s            | 1.8 mm                                                      |
| Bore         | 0.984 Inch   25 Millimeter                                  |
| Noun         | Bearing                                                     |
| Width        | 0.709 Inch   18 Millimeter                                  |
| UNSPSC       | 31171547                                                    |
| s max.       | 1.8 mm                                                      |
| Profile      | Complete with Outer and Inner Ring                          |
| series:      | NJ22                                                        |
| flanges:     | (2) Outer Ring, (1) Inner Ring                              |
| Category     | Cylindrical Roller Bearing                                  |
| Retainer     | Yes                                                         |
| Snap Ring    | No                                                          |
| Separable    | Inner Ring - One Side                                       |
| Inventory    | 0.0                                                         |
| Size (mm)    | 52x25x18                                                    |
| bore type:   | Straight                                                    |
| Width (mm)   | 18                                                          |
| Weight / LBS | 0.383                                                       |
| application: | Piston Type Machines, Rolling Mills, Spindles/Machine Tools |
| Bore Profile | Straight                                                    |
| maximum rpm: | 16000 RPM                                                   |
|              |                                                             |

|                  |                                                                                                                                                                                                         |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mass bearing     | 0.17 kg                                                                                                                                                                                                 |
| d <sub>1</sub>   | 34.7 mm                                                                                                                                                                                                 |
| Product Group    | B04144                                                                                                                                                                                                  |
| closure type:    | Open                                                                                                                                                                                                    |
| Cage Material    | Polymer                                                                                                                                                                                                 |
| D <sub>1</sub>   | 43.3 mm                                                                                                                                                                                                 |
| Inch - Metric    | Metric                                                                                                                                                                                                  |
| Bearing number   | NJ 2205 ECP                                                                                                                                                                                             |
| Relubricatable   | Yes                                                                                                                                                                                                     |
| fillet radius:   | 1 mm                                                                                                                                                                                                    |
| cage material:   | Polyamide                                                                                                                                                                                               |
| bore diameter:   | 25 mm                                                                                                                                                                                                   |
| Other Features   | High Capacity   1 Rib Inner Ring   2 Rib Outer Ring   Cage on Outer Ring ID                                                                                                                             |
| overall width:   | 18 mm                                                                                                                                                                                                   |
| Limiting speed   | 16000 r/min                                                                                                                                                                                             |
| Precision Class  | RBEC 1   ISO P0                                                                                                                                                                                         |
| number of rows:  | 1                                                                                                                                                                                                       |
| Reference speed  | 14000 r/min                                                                                                                                                                                             |
| finish/coating:  | Uncoated                                                                                                                                                                                                |
| Rolling Element  | Cylindrical Roller Bearing                                                                                                                                                                              |
| Long Description | 25MM Bore; Straight Bore Profile; 52MM Outside Diameter; 18MM Width; Polymer Cage Material; RBEC 1   ISO P0; Single Row; Inner Ring - One Side Separable; No Snap Ring; Relubricatable; C0-Medium Inter |
| Limiting value e | 0.3                                                                                                                                                                                                     |
| Manufacturer URL | <a href="http://www.skf.com">http://www.skf.com</a>                                                                                                                                                     |

|                        |                               |
|------------------------|-------------------------------|
| Outside Diameter       | 2.047 Inch   52<br>Millimeter |
| ring separation:       | Separable Ring                |
| Weight / Kilogram      | 0.174                         |
| Manufacturer Name      | SKF                           |
| precision rating:      | RBEC 1 (ISO Class<br>Normal)  |
| outside diameter:      | 52 mm                         |
| outer ring width:      | 18 mm                         |
| $r_a$ max.             | 1 mm                          |
| $D_a$ max.             | 46.4 mm                       |
| $d_a$ min.             | 29.9 mm                       |
| $d_a$ max.             | 30.4 mm                       |
| $d_b$ min.             | 36 mm                         |
| Bore Diameter (mm)     | 52                            |
| Internal Clearance     | C0-Medium                     |
| Axial load factor Y    | 0.4                           |
| internal clearance:    | C0                            |
| Outer Diameter (mm)    | 25                            |
| $r_{1,2}$ min.         | 1 mm                          |
| $r_a$ - max.           | 1 mm                          |
| $d_b$ - min.           | 36 mm                         |
| $r_{3,4}$ min.         | 0.6 mm                        |
| Minimum Buy Quantity   | N/A                           |
| $d_a$ - max.           | 30.4 mm                       |
| $d_a$ - min.           | 29.9 mm                       |
| $D_a$ - max.           | 46.4 mm                       |
| $d_1$ ?                | 34.7 mm                       |
| $D_1$ ?                | 43.3 mm                       |
| static load capacity:  | 34 kN                         |
| Harmonized Tariff Code | 8482.50.00.00                 |
| dynamic load capacity: | 34.1 kN                       |
| $r_{1,2}$ - min.       | 1 mm                          |

|                                  |                    |
|----------------------------------|--------------------|
| $r_{3,4}$ - min.                 | 1 mm               |
| Manufacturer Item Number         | NJ 2205 ECP        |
| Number of Rows of Rollers        | Single Row         |
| Basic dynamic load rating C      | 39 kN              |
| operating temperature range:     | Maximum of +300 °F |
| Basic dynamic load rating - C    | 39 kN              |
| Fatigue load limit $P_u$         | 4.25 kN            |
| Calculation factor $k_r$         | 0.2                |
| Fatigue load limit - $P_u$       | 4.2 kN             |
| Calculation factor - $k_r$       | 0.2                |
| Basic static load rating $C_0$   | 34 kN              |
| Basic static load rating - $C_0$ | 34 kN              |