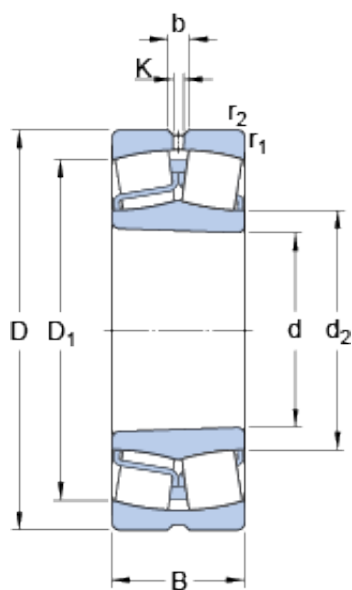




Bearing No. 21317 EK

|                |                            |
|----------------|----------------------------|
| K              | 3 mm                       |
| d              | 85 mm                      |
| D              | 180 mm                     |
| B              | 41 mm                      |
| b              | 6 mm                       |
| Bore           | 3.346 Inch   85 Millimeter |
| Noun           | Bearing                    |
| Width          | 1.614 Inch   41 Millimeter |
| UNSPSC         | 31171510                   |
| series:        | 213                        |
| Category       | Spherical Roller Bearing   |
| Size (mm)      | 180x85x41                  |
| Enclosure      | Open                       |
| Inventory      | 0.0                        |
| Width (mm)     | 41                         |
| bore type:     | Tapered 1:12               |
| maximum rpm:   | 5300 RPM                   |
| Bore Profile   | Tapered                    |
| Mass bearing   | 5.15 kg                    |
| Weight / LBS   | 12.026                     |
| Inch - Metric  | Metric                     |
| Product Group  | B04311                     |
| Cage Material  | Steel                      |
| D <sub>1</sub> | 141 mm                     |
| closure type:  | Open                       |
| d <sub>2</sub> | 106 mm                     |
| Keyword String | Spherical                  |
| bore diameter: | 85 mm                      |
|                |                            |

|                   |                                                                                                                                                                                                          |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| overall width:    | 41 mm                                                                                                                                                                                                    |
| cage material:    | Steel                                                                                                                                                                                                    |
| fillet radius:    | 2.5 mm                                                                                                                                                                                                   |
| Withdrawal Nut    | KM19                                                                                                                                                                                                     |
| Relubricatable    | Yes                                                                                                                                                                                                      |
| Bearing number    | 21317 EK                                                                                                                                                                                                 |
| Other Features    | Order adapter or withdrawal sleeve or nut separately. Others may be available                                                                                                                            |
| Limiting speed    | 5300 r/min                                                                                                                                                                                               |
| Rolling Element   | Spherical Roller Bearing                                                                                                                                                                                 |
| Mounting Method   | Adapter Mount                                                                                                                                                                                            |
| finish/coating:   | Uncoated                                                                                                                                                                                                 |
| Reference speed   | 3800 r/min                                                                                                                                                                                               |
| outer ring type:  | Not Split                                                                                                                                                                                                |
| Outside Diameter  | 7.087 Inch   180 Millimeter                                                                                                                                                                              |
| Long Description  | 85MM Tapered Bore; 180MM Outside Diameter; 41MM Width; C0-Medium Clearance; Adapter Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable; Adapter Part Nu |
| Manufacturer URL  | <a href="http://www.skf.com">http://www.skf.com</a>                                                                                                                                                      |
| precision rating: | Not Rated                                                                                                                                                                                                |
| outside diameter: | 180 mm                                                                                                                                                                                                   |
| outer ring width: | 41 mm                                                                                                                                                                                                    |
| Withdrawal Sleeve | AH317 (Specify bore)                                                                                                                                                                                     |
| Manufacturer Name | SKF                                                                                                                                                                                                      |
| Weight / Kilogram | 5.46                                                                                                                                                                                                     |
|                   |                                                                                                                                                                                                          |

|                                  |                                                                                      |
|----------------------------------|--------------------------------------------------------------------------------------|
| bearing material:                | Steel                                                                                |
| D <sub>a</sub> max.              | 166 mm                                                                               |
| r <sub>a</sub> max.              | 2.5 mm                                                                               |
| Bore Diameter (mm)               | 180                                                                                  |
| Internal Clearance               | C0-Medium                                                                            |
| Outer Diameter (mm)              | 85                                                                                   |
| Adapter Part Number              | SNW17 H317 HA317<br>HE317 (Specify Bore)<br>Inch   H317 (Specify<br>bore) Millimeter |
| internal clearance:              | C0                                                                                   |
| r <sub>1,2</sub> min.            | 3 mm                                                                                 |
| d <sub>a</sub> - min.            | 93 mm                                                                                |
| Calculation factor e             | 0.24                                                                                 |
| d <sub>a</sub> - max.            | 106 mm                                                                               |
| D <sub>a</sub> - max.            | 166 mm                                                                               |
| Minimum Buy Quantity             | N/A                                                                                  |
| r <sub>a</sub> - max.            | 2.5 mm                                                                               |
| static load capacity:            | 375 kN                                                                               |
| d <sub>2</sub> ?                 | 106 mm                                                                               |
| D <sub>1</sub> ?                 | 141 mm                                                                               |
| Calculation factor - e           | 0.24                                                                                 |
| r <sub>1,2</sub> - min.          | 3 mm                                                                                 |
| dynamic load capacity:           | 325 kN                                                                               |
| Harmonized Tariff Code           | 84823080                                                                             |
| lubrication hole type:           | Lubrication Groove &<br>Hole                                                         |
| Number of Rows of<br>Rollers     | Double Row                                                                           |
| Basic dynamic load<br>rating C   | 331 kN                                                                               |
| operating temperature<br>range:  | Maximum of +390 °F                                                                   |
| Basic dynamic load<br>rating - C | 331 kN                                                                               |

|                                            |        |
|--------------------------------------------|--------|
| Fatigue load limit $P_u$                   | 39 kN  |
| Calculation factor $Y_0$                   | 2.8    |
| Calculation factor $Y_2$                   | 4.2    |
| Calculation factor $Y_1$                   | 2.8    |
| Calculation factor - $Y_0$                 | 2.8    |
| Calculation factor - $Y_2$                 | 4.2    |
| Fatigue load limit - $P_u$                 | 39 kN  |
| Calculation factor - $Y_1$                 | 2.8    |
| Basic static load rating<br>$C_0$          | 375 kN |
| Basic static load rating -<br>$C_0$        | 375 kN |
| Recommended lock nut<br>tightening angle ? | 150 °  |