



**Bearing No. NU 2317 ECP**

|              |   |
|--------------|---|
| D            | 180 mm  |
| d            | 85 mm   |
| B            | 60 mm   |
| F            | 108 mm  |
| s            | 5.8 mm  |
| Bore         | 3.346 Inch   85 Millimeter                                  |
| Noun         | Bearing   |
| Width        | 2.362 Inch   60 Millimeter                                  |
| s max.       | 5.8 mm  |
| UNSPSC       | 31171547  |
| series:      | NU23  |
| Profile      | Complete with Outer and Inner Ring                          |
| flanges:     | (2) Outer Ring  |
| Retainer     | Yes   |
| Category     | Cylindrical Roller Bearing                                  |
| Size (mm)    | 180x85x60   |
| Snap Ring    | No  |
| Inventory    | 0.0   |
| Separable    | Inner Ring - Both Sides                                     |
| bore type:   | Straight  |
| Width (mm)   | 60  |
| Bore Profile | Straight  |
| Mass bearing | 6.83 kg   |
| application: | Piston Type Machines, Rolling Mills, Spindles/Machine Tools |
| Weight / LBS | 15.254  |
| maximum rpm: | 4800 RPM  |

|                  |   |
|------------------|---|
| closure type:    | Open  |
| Inch - Metric    | Metric  |
| Product Group    | B04144  |
| Cage Material    | Polymer   |
| D <sub>1</sub>   | 151.4 mm  |
| bore diameter:   | 85 mm   |
| overall width:   | 60 mm   |
| cage material:   | Polyamide   |
| Other Features   | High Capacity   Plain Inner Ring   2 Rib Outer Ring   Cage on Outer Ring ID   |
| Relubricatable   | Yes   |
| fillet radius:   | 2.5 mm  |
| Bearing number   | NU 2317 ECP   |
| Limiting speed   | 4800 r/min  |
| Rolling Element  | Cylindrical Roller Bearing  |
| number of rows:  | 1   |
| Precision Class  | RBEC 1   ISO P0   |
| finish/coating:  | Uncoated  |
| Reference speed  | 4000 r/min  |
| Outside Diameter | 7.087 Inch   180 Millimeter   |
| Limiting value e | 0.3   |
| Long Description | 85MM Bore; Straight Bore Profile; 180MM Outside Diameter; 60MM Width; Polymer Cage Material; RBEC 1   ISO P0; Single Row; Inner Ring - Both Sides Separable; No Snap Ring; Relubricatable; C0-Medium In |
| Manufacturer URL | <a href="http://www.skf.com">http://www.skf.com</a>   |
|                  |   |

|                         |                           |
|-------------------------|---------------------------|
| ring separation:        | Separable Ring            |
| bearing material:       | Steel                     |
| outside diameter:       | 180 mm                    |
| precision rating:       | RBEC 1 (ISO Class Normal) |
| outer ring width:       | 60 mm                     |
| Weight / Kilogram       | 6.925                     |
| Manufacturer Name       | SKF                       |
| D <sub>a</sub> max.     | 165.5 mm                  |
| d <sub>a</sub> max.     | 105 mm                    |
| r <sub>a</sub> max.     | 2.5 mm                    |
| r <sub>b</sub> max.     | 2.5 mm                    |
| d <sub>a</sub> min.     | 99 mm                     |
| Bore Diameter (mm)      | 180                       |
| Internal Clearance      | C0-Medium                 |
| d <sub>b</sub> min.     | 111 mm                    |
| Outer Diameter (mm)     | 85                        |
| Axial load factor Y     | 0.4                       |
| internal clearance:     | C0                        |
| r <sub>3,4</sub> min.   | 3 mm                      |
| r <sub>1,2</sub> min.   | 3 mm                      |
| d <sub>a</sub> - min.   | 99 mm                     |
| r <sub>a</sub> - max.   | 2.5 mm                    |
| Minimum Buy Quantity    | N/A                       |
| r <sub>b</sub> - max.   | 2.5 mm                    |
| d <sub>a</sub> - max.   | 105 mm                    |
| d <sub>b</sub> - min.   | 111 mm                    |
| D <sub>a</sub> - max.   | 165.5 mm                  |
| static load capacity:   | 490 kN                    |
| D <sub>1</sub> ?        | 151.45 mm                 |
| r <sub>3,4</sub> - min. | 3 mm                      |
| Harmonized Tariff Code  | 8482.50.00.00             |
|                         | 3 mm                      |

r<sup>1,2</sup> - min.

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|----------------------------------|--------------------|
| dynamic load capacity:           | 455 kN             |
| Manufacturer Item Number         | NU 2317 ECP        |
| Number of Rows of Rollers        | Single Row         |
| Basic dynamic load rating C      | 455 kN             |
| operating temperature range:     | Maximum of +300 °F |
| Basic dynamic load rating - C    | 455 kN             |
| Fatigue load limit $P_u$         | 60 kN              |
| Calculation factor $k_r$         | 0.25               |
| Fatigue load limit - $P_u$       | 60 kN              |
| Calculation factor - $k_r$       | 0.25               |
| Basic static load rating $C_0$   | 490 kN             |
| Basic static load rating - $C_0$ | 490 kN             |