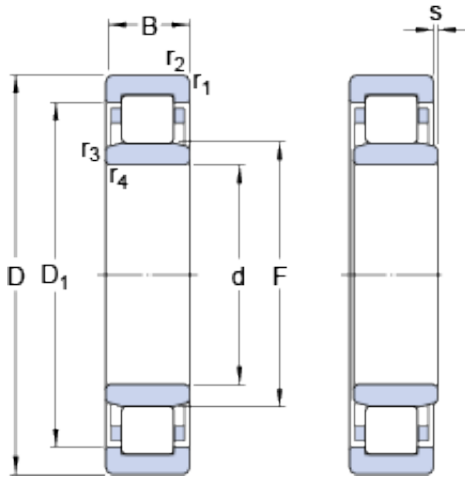




# SAHH BEARING OF ENGLAND CORP.



35 mm x 80 mm x 21 mm 35 mm x 80 mm x 21 mm SKF NU 307 ECP Belgium Bearing 35\*80\*21

Bearing No. NU 307 ECP

NU 307 ECP Bearing 2D drawings and 3D CAD models

|   |             |
|---|-------------|
| Size                                      | 80x35x21 mm |
| Bore Diameter                             | 80 mm       |
| Outer Diameter                            | 35 mm       |
| Width                                     | 21 mm       |
| d   | 35 mm       |
| D   | 80 mm       |
| B   | 21 mm       |
| D <sub>1</sub>                            | 65.8 mm     |
| F   | 46.2 mm     |
| r <sub>1,2</sub> - min.                   | 1.5 mm      |
| r <sub>3,4</sub> - min.                   | 1.1 mm      |
| s   | 1.2 mm      |
| d <sub>a</sub> - min.                     | 42 mm       |
| d <sub>a</sub> - max.                     | 44 mm       |
| d <sub>b</sub> - min.                     | 48 mm       |
| D <sub>a</sub> - max.                     | 72.2 mm     |
| r <sub>a</sub> - max.                     | 1.5 mm      |
| r <sub>b</sub> - max.                     | 1 mm        |
| Basic dynamic load rating - C             | 75 kN       |
| Basic static load rating - C <sub>0</sub> | 63 kN       |
| Fatigue load limit - P <sub>u</sub>       | 8.2 kN      |
| Reference speed                           | 9500 r/min  |
| Limiting speed                            | 11000 r/min |
| Calculation factor - k <sub>r</sub>       | 0.15        |
|   |             |



## SAHH BEARING OF ENGLAND CORP.

|                           |   |
|---------------------------|---|
| Category                  | Cylindrical Roller Bearings   |
| Inventory                 | 2.0   |
| Manufacturer Name         | SKF   |
| Minimum Buy Quantity      | N/A   |
| Weight / Kilogram         | 0.489   |
| EAN                       | 7316577025395   |
| Product Group             | B04144  |
| Bore Profile              | Straight  |
| Cage Material             | Polymer   |
| Precision Class           | RBEC 1   ISO P0   |
| Number of Rows of Rollers | Single Row  |
| Separable                 | Inner Ring - Both Sides   |
| Rolling Element           | Cylindrical Roller Bearing  |
| Profile                   | Complete with Outer and Inner Ring  |
| Snap Ring                 | No  |
| Internal Clearance        | C0-Medium   |
| Retainer                  | Yes   |
| Relubricatable            | Yes   |
| Inch - Metric             | Metric  |
| Other Features            | High Capacity   Plain Inner Ring   2 Rib Outer Ring   Cage on Outer Ring ID   |
| Long Description          | 35MM Bore; Straight Bore Profile; 80MM Outside Diameter; 21MM Width; Polymer Cage Material; RBEC 1   ISO P0; Single Row; Inner Ring - Both Sides Separable; No Snap Ring; Relubricatable; C0-Medium Int |
| Category                  | Cylindrical Roller Bearing  |
| UNSPSC                    | 31171547  |
| Harmonized Tariff Code    | 8482.50.00.00   |
| Noun                      | Bearing   |



## SAHH BEARING OF ENGLAND CORP.

|                              |   |
|------------------------------|---|
| Manufacturer URL             | <a href="http://www.skf.com">http://www.skf.com</a>               |
| Manufacturer Item Number     | NU 307 ECP  |
| Weight / LBS                 | 1.076   |
| Outside Diameter             | 3.15 Inch   80 Millimeter   |
| Bore                         | 1.378 Inch   35 Millimeter  |
| Width                        | 0.827 Inch   21 Millimeter  |
| bore diameter:               | 35 mm   |
| precision rating:            | RBEC 1 (ISO Class Normal)   |
| outside diameter:            | 80 mm   |
| maximum rpm:                 | 11000 RPM   |
| overall width:               | 21 mm   |
| bearing material:            | Steel   |
| flanges:                     | (2) Outer Ring  |
| cage material:               | Polyamide   |
| bore type:                   | Straight  |
| finish/coating:              | Uncoated  |
| number of rows:              | 1   |
| closure type:                | Open  |
| internal clearance:          | C0  |
| application:                 | Piston Type Machines,<br>Rolling Mills,<br>Spindles/Machine Tools |
| ring separation:             | Separable Ring  |
| outer ring width:            | 21 mm   |
| operating temperature range: | Maximum of +300 ° F   |
| fillet radius:               | 1.5 mm  |
| dynamic load capacity:       | 75 kN   |
| series:                      | NU3   |
| static load capacity:        | 63 kN   |
| D <sub>1</sub>               | 65.8 mm   |
| r <sub>1,2</sub> min.        | 1.5 mm  |
|                              |   |



## SAHH BEARING OF ENGLAND CORP.

|                                |         |
|--------------------------------|---------|
| $r_{3,4}$ min.                 | 1.1 mm  |
| s max.                         | 1.2 mm  |
| $d_a$ min.                     | 42 mm   |
| $d_a$ max.                     | 44 mm   |
| $d_b$ min.                     | 48 mm   |
| $D_a$ max.                     | 72.2 mm |
| $r_a$ max.                     | 1.5 mm  |
| $r_b$ max.                     | 1 mm    |
| Basic dynamic load rating C    | 75 kN   |
| Basic static load rating $C_0$ | 63 kN   |
| Fatigue load limit $P_u$       | 8.15 kN |
| Calculation factor $k_r$       | 0.15    |
| Limiting value e               | 0.2     |
| Axial load factor Y            | 0.6     |
| Mass bearing                   | 0.47 kg |