



# NTNY BEARING LTD



50 mm x 90 mm x 20 mm skf nup 210 ecp bearing

Bearing No. nup 210 ecp

nup 210 ecp Bearing 2D drawings and 3D CAD models

|   |                             |
|---|-----------------------------|
| Size                                      | 90x50x20 mm                 |
| Bore Diameter                             | 90 mm                       |
| Outer Diameter                            | 50 mm                       |
| Width                                     | 20 mm                       |
| d   | 50 mm                       |
| D   | 90 mm                       |
| B   | 20 mm                       |
| d <sub>1</sub>                            | 64 mm                       |
| D <sub>1</sub>                            | 77.4 mm                     |
| F   | 59.5 mm                     |
| r <sub>1,2</sub> - min.                   | 1.1 mm                      |
| r <sub>3,4</sub> - min.                   | 1.1 mm                      |
| d <sub>a</sub> - min.                     | 57 mm                       |
| d <sub>b</sub> - min.                     | 66 mm                       |
| D <sub>a</sub> - max.                     | 82.4 mm                     |
| r <sub>a</sub> - max.                     | 1 mm                        |
| Basic dynamic load rating - C             | 73.5 kN                     |
| Basic static load rating - C <sub>0</sub> | 69.5 kN                     |
| Fatigue load limit - P <sub>u</sub>       | 8.8 kN                      |
| Reference speed                           | 8500 r/min                  |
| Limiting speed                            | 9000 r/min                  |
| Calculation factor - k <sub>r</sub>       | 0.15                        |
| Category                                  | Cylindrical Roller Bearings |
| Inventory                                 | 1.0                         |



## NTNY BEARING LTD

|                           |   |
|---------------------------|---|
| Manufacturer Name         | SKF   |
| Minimum Buy Quantity      | N/A   |
| Weight / Kilogram         | 0.528   |
| EAN                       | 7316577108159   |
| Product Group             | B04144  |
| Bore Profile              | Straight  |
| Cage Material             | Polymer   |
| Precision Class           | RBEC 1   ISO P0   |
| Number of Rows of Rollers | Single Row  |
| Separable                 | No  |
| 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   1 Rib Inner Ring with Side Plate   2 Rib Outer Ring   Cage on Outer Ring ID   |
| Long Description          | 50MM Bore; Straight Bore Profile; 90MM Outside Diameter; 20MM Width; Polymer Cage Material; RBEC 1   ISO P0; Single Row; Not Separable; No Snap Ring; Relubricatable; C0-Medium Internal Clearance; Ret |
| Category                  | Cylindrical Roller Bearing  |
| UNSPSC                    | 31171547  |
| Harmonized Tariff Code    | 8482.50.00.00   |
| Noun                      | Bearing   |
| Manufacturer URL          | <a href="http://www.skf.com">http://www.skf.com</a>   |



## NTNY BEARING LTD

|                              |   |
|------------------------------|---|
| Manufacturer Item Number     | NUP 210 ECP   |
| Weight / LBS                 | 1.164   |
| Bore                         | 1.969 Inch   50 Millimeter                                  |
| Outside Diameter             | 3.543 Inch   90 Millimeter                                  |
| Width                        | 0.787 Inch   20 Millimeter                                  |
| bore diameter:               | 50 mm   |
| precision rating:            | RBEC 1 (ISO Class Normal)                                   |
| outside diameter:            | 90 mm   |
| maximum rpm:                 | 9000 RPM  |
| overall width:               | 20 mm   |
| bearing material:            | Steel   |
| flanges:                     | (4) Flanges, Two-Piece Inner Ring                           |
| cage material:               | Polyamide   |
| bore type:                   | Straight  |
| finish/coating:              | Uncoated  |
| number of rows:              | 1   |
| closure type:                | Open  |
| internal clearance:          | C0  |
| application:                 | Piston Type Machines, Rolling Mills, Spindles/Machine Tools |
| ring separation:             | Separable Ring  |
| outer ring width:            | 20 mm   |
| operating temperature range: | Maximum of +300 ° F   |
| fillet radius:               | 1 mm  |
| dynamic load capacity:       | 73.5 kN   |
| series:                      | NUP2  |
| static load capacity:        | 69.5 kN   |
| d <sub>1</sub>               | 64 mm   |
| D <sub>1</sub>               | 77.4 mm   |
| r <sub>1,2</sub> min.        | 1.1 mm  |



## NTNY BEARING LTD

|                                |         |
|--------------------------------|---------|
| $r_{3,4}$ min.                 | 1.1 mm  |
| $d_a$ min.                     | 57 mm   |
| $d_b$ min.                     | 66 mm   |
| $D_a$ max.                     | 82.4 mm |
| $r_a$ max.                     | 1 mm    |
| Basic dynamic load rating C    | 73.5 kN |
| Basic static load rating $C_0$ | 69.5 kN |
| Fatigue load limit $P_u$       | 8.8 kN  |
| Calculation factor $k_r$       | 0.15    |
| Limiting value e               | 0.2     |
| Axial load factor Y            | 0.6     |
| Mass bearing                   | 0.5 kg  |