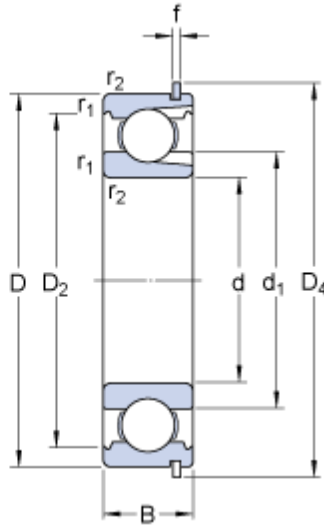
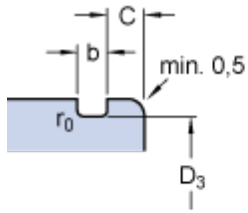




# IFB Roller Industry Co.,Ltd



## SKF 215 NR deep groove ball bearings

Bearing No. 215 NR

|   |              |
|---|--------------|
| Size                                      | 130x75x25 mm |
| Bore Diameter                             | 130 mm       |
| Outer Diameter                            | 75 mm        |
| Width                                     | 25 mm        |
| d   | 75 mm        |
| D   | 130 mm       |
| B   | 25 mm        |
| d <sub>1</sub>                            | 92.05 mm     |
| D <sub>2</sub>                            | 116.5 mm     |
| D <sub>3</sub>                            | 125.22 mm    |
| D <sub>4</sub>                            | 139.7 mm     |
| b   | 3.1 mm       |
| C   | 4.06 mm      |
| f   | 2.82 mm      |
| r <sub>0</sub>                            | 0.6 mm       |
| r <sub>1,2</sub> - min.                   | 1.5 mm       |
| d <sub>a</sub> - min.                     | 84 mm        |
| D <sub>a</sub> - max.                     | 121 mm       |
| D <sub>b</sub> - min.                     | 141 mm       |
| b <sub>a</sub> - min.                     | 3.5 mm       |
| C <sub>a</sub> - max.                     | 6.88 mm      |
| r <sub>a</sub> - max.                     | 1.5 mm       |
| Basic dynamic load rating - C             | 72.1 kN      |
| Basic static load rating - C <sub>0</sub> | 72 kN        |
| Fatigue load limit - P <sub>u</sub>       | 3 kN         |

215 NR Bearing 2D drawings and 3D CAD models



## IFB Roller Industry Co.,Ltd

|   |   |
|---|---|
| Reference speed                                   | 9000 r/min  |
| Limiting speed                                    | 5300 r/min  |
| Calculation factor<br>minimum radial load - $k_r$ | 0.04  |
| Mass bearing                                      | 1.25 kg   |
| Category  | Single Row Ball Bearings  |
| Inventory   | 0.0   |
| Manufacturer Name                                 | SKF   |
| Minimum Buy Quantity                              | N/A   |
| Weight / Kilogram                                 | 1.32  |
| EAN   | 7316576680014   |
| Product Group                                     | B00308  |
| Enclosure   | Open  |
| Precision Class                                   | ABEC 1   ISO P0   |
| Maximum Capacity / Filling<br>Slot                | Yes   |
| Rolling Element                                   | Ball Bearing  |
| Snap Ring   | Yes   |
| Internal Special Features                         | No  |
| Cage Material                                     | Steel   |
| Internal Clearance                                | C0-Medium   |
| Inch - Metric                                     | Metric  |
| Long Description                                  | 75MM Bore; 130MM<br>Outside Diameter; 25MM<br>Outer Race Diameter;<br>Open; Ball Bearing; ABEC 1<br>  ISO P0; Yes Filling Slot;<br>Yes Snap Ring; No Internal<br>Special Features |
| Category  | Single Row Ball Bearing   |
| UNSPSC  | 31171504  |
| Harmonized Tariff Code                            | 8482.10.50.68   |
| Noun  | Bearing   |
| Keyword String                                    | Ball  |
|   |   |



## IFB Roller Industry Co.,Ltd

|                             |   |
|-----------------------------|---|
| Manufacturer URL            | <a href="http://www.skf.com">http://www.skf.com</a> |
| Manufacturer Item Number    | 215 NR  |
| Weight / LBS                | 2.91  |
| Outside Diameter            | 5.118 Inch   130 Millimeter                         |
| Bore                        | 2.953 Inch   75 Millimeter                          |
| Outer Race Width            | 0.984 Inch   25 Millimeter                          |
| bore diameter:              | 75 mm   |
| static load capacity:       | 72 kN   |
| outside diameter:           | 130 mm  |
| precision rating:           | ABEC 1 (ISO Class Normal)                           |
| overall width:              | 25 mm   |
| finish/coating:             | Uncoated  |
| bore type:                  | Round   |
| cage material:              | Steel   |
| closure type:               | Open  |
| outer ring width:           | 25 mm   |
| row type & fill slot:       | Single Row Filling Slot                             |
| fillet radius:              | 1.5 mm  |
| snap ring included:         | With Snap Ring                                      |
| maximum rpm:                | 5300 RPM  |
| internal clearance:         | C0  |
| series:                     | 21  |
| dynamic load capacity:      | 72.1 kN   |
| thrust application warning: | This product can not be used in Thrust Applications |
| $d_1$                       | 92.05 mm  |
| $D_2$                       | 116.5 mm  |
| $D_3$                       | 125.22 mm   |
| $D_4$                       | 139.7 mm  |
| $r_0$ max.                  | 0.6 mm  |
| $r_{1,2}$ min.              | 1.5 mm  |
| $d_a$ min.                  | 84 mm   |



## IFB Roller Industry Co.,Ltd

|                                |         |
|--------------------------------|---------|
| $D_a$ max.                     | 121 mm  |
| $D_b$ min.                     | 141 mm  |
| $b_a$ min.                     | 3.5 mm  |
| $C_a$ max.                     | 6.88 mm |
| $r_a$ max.                     | 1.5 mm  |
| Basic dynamic load rating C    | 72.1 kN |
| Basic static load rating $C_0$ | 72 kN   |
| Fatigue load limit $P_u$       | 3 kN    |
| Calculation factor $k_r$       | 0.04    |
| Snap ring                      | SP 130  |