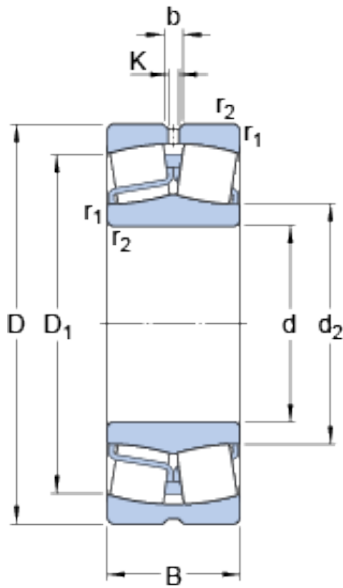




# NTNY BEARING LTD

100 mm x 180 mm x 46 mm skf 22220 e bearing

Bearing No. 22220 e



22220 e Bearing 2D drawings and 3D CAD models

|   |               |
|---|---------------|
| Size                                      | 180x100x46 mm |
| Bore Diameter                             | 180 mm        |
| Outer Diameter                            | 100 mm        |
| Width                                     | 46 mm         |
| d   | 100 mm        |
| D   | 180 mm        |
| B   | 46 mm         |
| d <sub>2</sub>                            | 118 mm        |
| D <sub>1</sub>                            | 159 mm        |
| b   | 8.3 mm        |
| K   | 4.5 mm        |
| r <sub>1,2</sub> - min.                   | 2.1 mm        |
| d <sub>a</sub> - min.                     | 112 mm        |
| D <sub>a</sub> - max.                     | 168 mm        |
| r <sub>a</sub> - max.                     | 2 mm          |
| Basic dynamic load rating - C             | 433 kN        |
| Basic static load rating - C <sub>0</sub> | 490 kN        |
| Fatigue load limit - P <sub>u</sub>       | 49 kN         |
| Reference speed                           | 3400 r/min    |
| Limiting speed                            | 4500 r/min    |
| Calculation factor - e                    | 0.24          |
| Calculation factor - Y <sub>1</sub>       | 2.8           |
| Calculation factor - Y <sub>2</sub>       | 4.2           |
| Calculation factor - Y <sub>0</sub>       | 2.8           |
|   |               |



## NTNY BEARING LTD

|                           |  |
|---------------------------|--|
| Category                  | Spherical Roller Bearings  |
| Inventory                 | 0.0  |
| Manufacturer Name         | SKF  |
| Minimum Buy Quantity      | N/A  |
| Weight / Kilogram         | 4.945  |
| EAN                       | 7316571167947  |
| Product Group             | B04311   |
| Internal Clearance        | C0-Medium  |
| Mounting Method           | Shaft Mount  |
| Rolling Element           | Spherical Roller Bearing   |
| Bore Profile              | Straight   |
| Cage Material             | Steel  |
| Enclosure                 | Open   |
| Number of Rows of Rollers | Double Row   |
| Relubricatable            | Yes  |
| Withdrawal Sleeve         | Not Applicable   |
| Withdrawal Nut            | Not Applicable   |
| Inch - Metric             | Metric   |
| Long Description          | 100MM Straight Bore;<br>180MM Outside Diameter;<br>46MM Width; C0-Medium<br>Clearance; Shaft Mount;<br>Double Row of Spherical<br>Roller Bearings; Steel Cage<br>Material; Open Enclosure;<br>Relubricatable |
| Category                  | Spherical Roller Bearing   |
| UNSPSC                    | 31171510   |
| Harmonized Tariff Code    | 84823080   |
| Noun                      | Bearing  |
| Keyword String            | Spherical  |
| Manufacturer URL          | <a href="http://www.skf.com">http://www.skf.com</a>  |
| Weight / LBS              | 10.891   |
| Adapter Part Number       | Not Applicable Inch   Not<br>Applicable Millimeter   |



## NTNY BEARING LTD

|                                |                             |
|--------------------------------|-----------------------------|
| Width                          | 1.811 Inch   46 Millimeter  |
| Bore                           | 3.937 Inch   100 Millimeter |
| Outside Diameter               | 7.087 Inch   180 Millimeter |
| bore diameter:                 | 100 mm                      |
| maximum rpm:                   | 4500 RPM                    |
| outside diameter:              | 180 mm                      |
| operating temperature range:   | Maximum of +390 ° F         |
| overall width:                 | 46 mm                       |
| cage material:                 | Steel                       |
| bore type:                     | Straight                    |
| bearing material:              | Steel                       |
| outer ring type:               | Not Split                   |
| cage type:                     | Inner Ring Guided           |
| internal clearance:            | C0                          |
| precision rating:              | Not Rated                   |
| closure type:                  | Open                        |
| finish/coating:                | Uncoated                    |
| lubrication hole type:         | Lubrication Groove & Hole   |
| outer ring width:              | 46 mm                       |
| dynamic load capacity:         | 425 kN                      |
| fillet radius:                 | 2 mm                        |
| static load capacity:          | 490 kN                      |
| series:                        | 222                         |
| $d_2$                          | 118 mm                      |
| $D_1$                          | 159 mm                      |
| $r_{1,2}$ min.                 | 2.1 mm                      |
| $d_a$ min.                     | 112 mm                      |
| $D_a$ max.                     | 168 mm                      |
| $r_a$ max.                     | 2 mm                        |
| Basic dynamic load rating C    | 433 kN                      |
| Basic static load rating $C_0$ | 490 kN                      |
|                                |                             |



## NTNY BEARING LTD

|                          |        |
|--------------------------|--------|
| Fatigue load limit $P_u$ | 49 kN  |
| Calculation factor $e$   | 0.24   |
| Calculation factor $Y_1$ | 2.8    |
| Calculation factor $Y_2$ | 4.2    |
| Calculation factor $Y_0$ | 2.8    |
| Mass bearing             | 4.9 kg |