



# NTN BEARING USA CORP.



3322 A Bearing 2D drawings and 3D CAD models

110 mm x 240 mm x 92.1 mm skf 3322 A  
 Double row angular contact ball bearings

Bearing No. 3322 A

|                                 |  |
|---------------------------------|--|
| Category                        | Angular Contact Ball Bearings  |
| Inventory                       | 0.0  |
| Manufacturer Name               | SKF  |
| Minimum Buy Quantity            | N/A  |
| Weight                          | 17.54  |
| EAN                             | 7316570369267  |
| Product Group                   | B00152   |
| Enclosure                       | Open   |
| Flush Ground                    | No   |
| Rolling Element                 | Ball Bearing   |
| Number of Rows of Balls         | Double Row   |
| Precision Class                 | ABEC 3   ISO P6  |
| Maximum Capacity / Filling Slot | No   |
| Snap Ring                       | No   |
| Cage Material                   | Steel  |
| Contact Angle                   | 32 Degree  |
| Internal Clearance              | C0-Medium  |
| Number of Bearings              | 1 (Single)   |
| Inch - Metric                   | Metric   |
| Long Description                | 110MM Bore; 240MM Outside Diameter; 92.1MM Width; Open; No Flush Ground; Ball Bearing; Double Row of Balls; ABEC 3   ISO P6; No Filling Slot; No Snap Ring |



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|                               |   |
|-------------------------------|---|
| Category                      | Angular Contact Ball Bearing                        |
| UNSPSC                        | 31171531  |
| Harmonized Tariff Code        | 8482.10.50.28                                       |
| Noun                          | Bearing   |
| Keyword String                | Angular Contact                                     |
| Manufacturer URL              | <a href="http://www.skf.com">http://www.skf.com</a> |
| Manufacturer Item Number      | 3322 A  |
| Weight / LBS                  | 38.625  |
| B                             | 3.626 Inch   92.1 Millimeter                        |
| d                             | 4.331 Inch   110 Millimeter                         |
| D                             | 9.449 Inch   240 Millimeter                         |
| bore diameter:                | 110 mm  |
| radial static load capacity:  | 305 kN  |
| outside diameter:             | 240 mm  |
| cage material:                | Metal   |
| overall width:                | 3.6250 in   |
| outer ring width:             | 92.1 mm   |
| contact angle:                | 35 °  |
| maximum rpm:                  | 2600 RPM  |
| row type & fill slot:         | Double-Row Non-Fill Slot                            |
| finish/coating:               | Uncoated  |
| internal clearance:           | C0  |
| precision rating:             | Not Rated   |
| closure type:                 | Open  |
| fillet radius:                | 2.5 mm  |
| radial dynamic load capacity: | 291 kN  |
| series:                       | 33  |
| d                             | 110 mm  |
| D                             | 240 mm  |
| B                             | 92.1 mm   |
| d <sub>1</sub>                | 152.99 mm   |



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|                                |            |
|--------------------------------|------------|
| $D_1$                          | 200.01 mm  |
| $r_{1,2}$ min.                 | 3 mm       |
| a                              | 142 mm     |
| $d_a$ min.                     | 124 mm     |
| $D_a$ max.                     | 226 mm     |
| $r_a$ max.                     | 2.5 mm     |
| Basic dynamic load rating C    | 291 kN     |
| Basic static load rating $C_0$ | 305 kN     |
| Fatigue load limit $P_u$       | 9.8 kN     |
| Reference speed                | 3000 r/min |
| Limiting speed                 | 2600 r/min |
| Calculation factor $k_r$       | 0.07       |
| Calculation factor e           | 0.8        |
| Calculation factor X           | 0.63       |
| Calculation factor $Y_0$       | 0.66       |
| Calculation factor $Y_1$       | 0.78       |
| Calculation factor $Y_2$       | 1.24       |
| Mass bearing                   | 19 kg      |