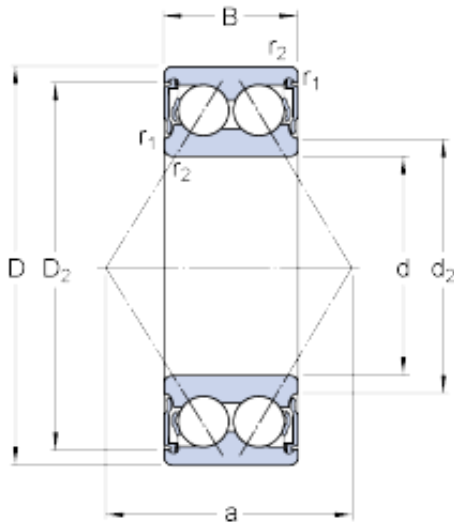




## AMERICAN BEARING MFG.CORP.



3212 A-2RS1 Bearing 2D drawings and 3D CAD models

60 mm x 110 mm x 36.5 mm SKF 3212 A-2RS1  
angular contact ball bearings

Bearing No. 3212 A-2RS1

|   |                |
|---|----------------|
| Size                                      | 110x60x36.5 mm |
| Bore Diameter                             | 110 mm         |
| Outer Diameter                            | 60 mm          |
| Width                                     | 36,5 mm        |
| d   | 60 mm          |
| D   | 110 mm         |
| B   | 36.5 mm        |
| d <sub>2</sub>                            | 68.8 mm        |
| D <sub>2</sub>                            | 100.5 mm       |
| r <sub>1,2</sub> - min.                   | 1.5 mm         |
| a   | 63 mm          |
| d <sub>a</sub> - min.                     | 68.5 mm        |
| d <sub>a</sub> - max.                     | 68.5 mm        |
| D <sub>a</sub> - max.                     | 101 mm         |
| r <sub>a</sub> - max.                     | 1.5 mm         |
| Basic dynamic load rating - C             | 73.5 kN        |
| Basic static load rating - C <sub>0</sub> | 58.5 kN        |
| Fatigue load limit - P <sub>u</sub>       | 2.5 kN         |
| Limiting speed                            | 4000 r/min     |
| Calculation factor - k <sub>r</sub>       | 0.06           |
| Calculation factor - e                    | 0.8            |
| Calculation factor - X                    | 0.63           |
| Calculation factor - Y <sub>0</sub>       | 0.66           |
| Calculation factor - Y <sub>1</sub>       | 0.78           |



## AMERICAN BEARING MFG.CORP.

|                                 |  |
|---------------------------------|--|
| Calculation factor - $Y_2$      | 1.24   |
| Category                        | Angular Contact Ball Bearings  |
| Inventory                       | 0.0  |
| Manufacturer Name               | SKF  |
| Minimum Buy Quantity            | N/A  |
| Weight / Kilogram               | 1.321  |
| EAN                             | 7316573931263  |
| Product Group                   | B00152   |
| Enclosure                       | 2 Seals  |
| Flush Ground                    | No   |
| Rolling Element                 | Ball Bearing   |
| Number of Rows of Balls         | Double Row   |
| Precision Class                 | ABEC 1   ISO P0  |
| Maximum Capacity / Filling Slot | No   |
| Snap Ring                       | No   |
| Cage Material                   | Steel  |
| Contact Angle                   | 30 Degree  |
| Internal Clearance              | C0-Medium  |
| Number of Bearings              | 1 (Single)   |
| Inch - Metric                   | Metric   |
| Long Description                | 60MM Bore; 110MM Outside Diameter; 36.5MM Width; 2 Seals; No Flush Ground; Ball Bearing; Double Row of Balls; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; C0-Medium; Steel Cage; 30 Degree; 1 (Singl |
| Other Features                  | NBR Contact Seal   |
| Category                        | Angular Contact Ball Bearing   |
| UNSPSC                          | 31171531   |
|                                 |  |



## AMERICAN BEARING MFG.CORP.

|                                |   |
|--------------------------------|---|
| 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       | 3212 A-2RS1   |
| Weight / LBS                   | 2.8417  |
| Outside Diameter               | 4.331 Inch   110 Millimeter                         |
| Width                          | 1.437 Inch   36.5 Millimeter                        |
| Bore                           | 2.362 Inch   60 Millimeter                          |
| $d_2$                          | 68.8 mm   |
| $D_2$                          | 100.5 mm  |
| $r_{1,2}$ min.                 | 1.5 mm  |
| $d_a$ min.                     | 68.5 mm   |
| $d_a$ max.                     | 68.5 mm   |
| $D_a$ max.                     | 101 mm  |
| $r_a$ max.                     | 1.5 mm  |
| Basic dynamic load rating C    | 73.5 kN   |
| Basic static load rating $C_0$ | 58.5 kN   |
| Fatigue load limit $P_u$       | 2.5 kN  |
| Calculation factor $k_r$       | 0.06  |
| 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                   | 1.2 kg  |