



NTN BEARING USA CORP.



3216 A Bearing 2D drawings and 3D CAD models

80 mm x 140 mm x 44.4 mm skf 3216 A Double row angular contact ball bearings

Bearing No. 3216 A

| | |
|---------------------------------|---|
| Category | Angular Contact Ball Bearings |
| Inventory | 0.0 |
| Manufacturer Name | SKF |
| Minimum Buy Quantity | N/A |
| Weight | 2.409 |
| EAN | 7316570816327 |
| 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 | 30 Degree |
| Internal Clearance | C0-Medium |
| Number of Bearings | 1 (Single) |
| Inch - Metric | Metric |
| Long Description | 80MM Bore; 140MM Outside Diameter; 44.4MM 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 | http://www.skf.com |
| Manufacturer Item Number | 5216 A |
| Weight / LBS | 5.13 |
| d | 3.15 Inch 80 Millimeter |
| B | 1.748 Inch 44.4 Millimeter |
| D | 5.512 Inch 140 Millimeter |
| bore diameter: | 80 mm |
| radial static load capacity: | 95 kN |
| outside diameter: | 140 mm |
| cage material: | Metal |
| overall width: | 1.7500 in |
| outer ring width: | 44.4 mm |
| contact angle: | 30 ° |
| maximum rpm: | 4300 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 mm |
| radial dynamic load capacity: | 106 kN |
| series: | 32 |
| d | 80 mm |
| D | 140 mm |
| B | 44.4 mm |
| d ₁ | 97.66 mm |



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|--------------------------------|------------|
| D_1 | 119.61 mm |
| $r_{1,2}$ min. | 2 mm |
| a | 82 mm |
| d_a min. | 91 mm |
| D_a max. | 129 mm |
| r_a max. | 2 mm |
| Basic dynamic load rating C | 106 kN |
| Basic static load rating C_0 | 95 kN |
| Fatigue load limit P_u | 3.9 kN |
| Reference speed | 5000 r/min |
| Limiting speed | 4300 r/min |
| 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 | 2.65 kg |