



NTN BEARING CORP.OF AMERICA



85 mm x 180 mm x 41 mm SKF
6317/C3VL0241 deep groove ball bearings

Bearing No. 6317/C3VL0241

6317/C3VL0241 Bearing 2D drawings and 3D CAD models

| | |
|---|--------------------------|
| Size | 180x85x41 mm |
| Bore Diameter | 180 mm |
| Outer Diameter | 85 mm |
| Width | 41 mm |
| d | 85 mm |
| D | 180 mm |
| B | 41 mm |
| d ₁ | 114.55 mm |
| D ₂ | 158 mm |
| r _{1,2} - min. | 3 mm |
| d _a - min. | 99 mm |
| D _a - min. | 163 mm |
| D _a - max. | 166 mm |
| r _a - max. | 2.5 mm |
| Basic dynamic load rating - C | 140 kN |
| Basic static load rating - C ₀ | 96.5 kN |
| Fatigue load limit - P _u | 3.6 kN |
| Reference speed | 8000 r/min |
| Limiting speed | 5000 r/min |
| Calculation factor - k _r | 0.03 |
| Calculation factor - f ₀ | 13 |
| Category | Single Row Ball Bearings |
| Inventory | 0.0 |
| Manufacturer Name | SKF |



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|---------------------------------|--|
| Minimum Buy Quantity | N/A |
| Weight / Kilogram | 4.27 |
| EAN | 7316572206744 |
| Product Group | B00308 |
| Enclosure | Open |
| Precision Class | ABEC 1 ISO P0 |
| Maximum Capacity / Filling Slot | No |
| Rolling Element | Ball Bearing |
| Snap Ring | No |
| Internal Special Features | Electrical Insulation on Outer Ring |
| Cage Material | Steel |
| Internal Clearance | C3-Loose |
| Inch - Metric | Metric |
| Long Description | 85MM Bore; 180MM Outside Diameter; 41MM Outer Race Width; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; Electrical Insulation on Outer Ring Internal Special Features; C3-Loose In |
| Other Features | Deep Groove VL0241 Aluminum Oxide Coated External Surfaces |
| Category | Single Row Ball Bearing |
| UNSPSC | 31171504 |
| Harmonized Tariff Code | 8482.10.50.68 |
| Noun | Bearing |
| Keyword String | Ball |
| Manufacturer URL | http://www.skf.com |
| Manufacturer Item Number | 6317/C3VL0241 |
| Weight / LBS | 4.25 |
| Outside Diameter | 7.087 Inch 180 Millimeter |



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|--------------------------------|----------------------------|
| Inner Race Width | 0 Inch 0 Millimeter |
| Outer Race Width | 1.614 Inch 41 Millimeter |
| Bore | 3.346 Inch 85 Millimeter |
| bore diameter: | 85 mm |
| static load capacity: | 96.5 kN |
| outside diameter: | 180 mm |
| precision rating: | Not Rated |
| overall width: | 41 mm |
| finish/coating: | Aluminum Oxide |
| bore type: | Round |
| outer ring width: | 41 mm |
| closure type: | Open |
| fillet radius: | 2.5 mm |
| snap ring included: | Without Snap Ring |
| maximum rpm: | 5000 RPM |
| internal clearance: | C3 |
| series: | 63 |
| dynamic load capacity: | 140 kN |
| resistance features: | Current-Insulating Coating |
| d_1 | 114.55 mm |
| D_2 | 158 mm |
| $r_{1,2}$ min. | 3 mm |
| d_a min. | 99 mm |
| D_a min. | 163 mm |
| D_a max. | 166 mm |
| r_a max. | 2.5 mm |
| Basic dynamic load rating C | 133 kN |
| Basic static load rating C_0 | 96.5 kN |
| Fatigue load limit P_u | 3.55 kN |
| Calculation factor k_r | 0.03 |
| Calculation factor f_0 | 13.3 |
| Mass bearing | 4.1 kg |



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