



7311 BEGAY Bearing 2D drawings and 3D CAD models

55 mm x 120 mm x 29 mm SKF 7311 BEGAY angular contact ball bearings

Bearing No. 7311 BEGAY

| | |
|---|--------------|
| Size | 120x55x29 mm |
| Bore Diameter | 120 mm |
| Outer Diameter | 55 mm |
| Width | 29 mm |
| d | 55 mm |
| D | 120 mm |
| B | 29 mm |
| d ₁ | 80.3 mm |
| d ₂ | 66.66 mm |
| D ₁ | 96.6 mm |
| a | 51 mm |
| r _{1,2} - min. | 2 mm |
| r _{3,4} - min. | 1 mm |
| d _a - min. | 66 mm |
| D _a - max. | 109 mm |
| D _b - max. | 114 mm |
| r _a - max. | 2 mm |
| r _b - max. | 1 mm |
| Basic dynamic load rating - C | 85.2 kN |
| Basic static load rating - C ₀ | 60 kN |
| Fatigue load limit - P _u | 2.6 kN |
| Reference speed | 6700 r/min |
| Limiting speed | 6700 r/min |
| Calculation factor - k _r | 0.1 |

| | |
|---------------------------------|-------------------------------|
| Calculation factor - k_a | 1.6 |
| Calculation factor - e | 1.14 |
| Calculation factor - X | 0.57 |
| Calculation factor - Y_0 | 0.52 |
| Calculation factor - Y_1 | 0.55 |
| Calculation factor - Y_2 | 0.93 |
| Calculation factor - X | 0.35 |
| Calculation factor - Y_0 | 0.26 |
| Calculation factor - Y_1 | |
| Calculation factor - Y_2 | 0.57 |
| Category | Angular Contact Ball Bearings |
| Inventory | 0.0 |
| Manufacturer Name | SKF |
| Minimum Buy Quantity | N/A |
| Weight / Kilogram | 1.396 |
| EAN | 7316576650673 |
| Product Group | B00308 |
| Enclosure | Open |
| Flush Ground | Yes |
| Rolling Element | Ball Bearing |
| Number of Rows of Balls | Single Row |
| Precision Class | ABEC 3 ISO P6 |
| Maximum Capacity / Filling Slot | No |
| Snap Ring | No |
| Cage Material | Brass |
| Contact Angle | 40 Degree |
| Internal Clearance | C0-Medium |
| Number of Bearings | 1 (Single) |
| Preload | Light |
| Mounting Arrangement | Universal |



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| Inch - Metric | Metric |
|------------------------------|--|
| Long Description | 55MM Bore; 120MM Outside Diameter; 29MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring |
| 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 | 7311 BEGAY |
| Weight / LBS | 3.078 |
| Bore | 2.165 Inch 55 Millimeter |
| Outside Diameter | 4.724 Inch 120 Millimeter |
| Width | 1.142 Inch 29 Millimeter |
| bore diameter: | 55 mm |
| radial static load capacity: | 60 kN |
| outside diameter: | 120 mm |
| cage material: | Brass |
| overall width: | 29 mm |
| outer ring width: | 29 mm |
| contact angle: | 40 ° |
| maximum rpm: | 6700 RPM |
| row type & fill slot: | Single-Row Non-Fill Slot |
| finish/coating: | Uncoated |
| internal clearance: | C0 |
| precision rating: | ABEC 3 (ISO Class 6) |
| closure type: | Open |
| fillet radius: | 2 mm |
| | |

| | |
|--------------------------------|----------|
| radial dynamic load capacity: | 85.2 kN |
| series: | 73 |
| d_1 | 80.3 mm |
| d_2 | 66.66 mm |
| D_1 | 96.6 mm |
| $r_{1,2}$ min. | 2 mm |
| $r_{3,4}$ min. | 1 mm |
| d_a min. | 66 mm |
| D_a max. | 109 mm |
| D_b max. | 114 mm |
| r_a max. | 2 mm |
| r_b max. | 1 mm |
| Basic dynamic load rating C | 85.2 kN |
| Basic static load rating C_0 | 60 kN |
| Fatigue load limit P_u | 2.55 kN |
| Calculation factor A | 0.0627 |
| Calculation factor k_r | 0.1 |
| Calculation factor e | 1.14 |
| Calculation factor X | 0.35 |
| Calculation factor Y_0 | 0.26 |
| Calculation factor Y_2 | 0.57 |
| Calculation factor X | 0.57 |
| Calculation factor Y_0 | 0.52 |
| Calculation factor Y_1 | 0.55 |
| Calculation factor Y_2 | 0.93 |
| Mass bearing | 1.4 kg |