7214 becbp Bearing 2D drawings and 3D CAD models

# 70 mm x 125 mm x 24 mm skf 7214 becbp bearing

**Bearing No. 7214 becbp**

| | |
|---|---|
| Category | Angular Contact Ball Bearings |
| Inventory | 0.0 |
| Manufacturer Name | SKF |
| Minimum Buy Quantity | N/A |
| Weight | 1.09 |
| EAN | 7316576633539 |
| 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 | Polymer |
| Contact Angle | 40 Degree |
| Internal Clearance | CB |
| Number of Bearings | 1 (Single) |
| Mounting Arrangement | Universal |
| Inch - Metric | Metric |
| Long Description | 70MM Bore; 125MM Outside Diameter; 24MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 \| ISO P6; No Filling Slot; No Snap |

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|---|---|
| | Ring |
| Other Features | Normal Axial Internal Clearance |
| 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 | 7214 BECBP |
| Weight / LBS | 2.407 |
| B | 0.945 Inch \| 24 Millimeter |
| d | 2.756 Inch \| 70 Millimeter |
| D | 4.921 Inch \| 125 Millimeter |
| bore diameter: | 70 mm |
| radial static load capacity: | 64 kN |
| outside diameter: | 125 mm |
| cage material: | Nylon |
| overall width: | 24 mm |
| outer ring width: | 24 mm |
| contact angle: | 40 ° |
| maximum rpm: | 6300 RPM |
| row type & fill slot: | Single-Row Non-Fill Slot |
| finish/coating: | Uncoated |
| internal clearance: | C0 |
| precision rating: | Not Rated |
| closure type: | Open |
| fillet radius: | 1.5 mm |
| radial dynamic load capacity: | 75 kN |
| series: | 72 |
| d | 70 mm |
| | |

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|---|---|
| D | 125 mm |
| B | 24 mm |
| $d_1 \approx$ | 91.5 mm |
| $d_2 \approx$ | 80.25 mm |
| $D_1 \approx$ | 104.75 mm |
| a | 53 mm |
| $r_{1,2}$ min. | 1.5 mm |
| $r_{3,4}$ min. | 1 mm |
| $d_a$ min. | 79 mm |
| $D_a$ max. | 116 mm |
| $D_b$ max. | 119 mm |
| $r_a$ max. | 1.5 mm |
| $r_b$ max. | 1 mm |
| Basic dynamic load rating C | 72 kN |
| Basic static load rating $C_0$ | 60 kN |
| Fatigue load limit $P_u$ | 2.55 kN |
| Reference speed | 6300 r/min |
| Limiting speed | 6300 r/min |
| Calculation factor A | 0.0529 |
| Calculation factor $k_r$ | 0.095 |
| 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 | 1.1 kg |