



Bearing No. 7318 BECBM

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| a | 80 mm |
| d | 90 mm |
| D | 190 mm |
| B | 43 mm |
| Noun | Bearing |
| Bore | 3.543 Inch 90 Millimeter |
| Width | 1.693 Inch 43 Millimeter |
| UNSPSC | 31171531 |
| series: | 73 |
| Category | Angular Contact Ball Bearing |
| Enclosure | Open |
| Snap Ring | No |
| Size (mm) | 190x90x43 |
| Inventory | 9.0 |
| Width (mm) | 43 |
| Weight / LBS | 12.194 |
| maximum rpm: | 4500 RPM |
| Flush Ground | Yes |
| Mass bearing | 5.2 kg |
| Contact Angle | 40 Degree |
| Cage Material | Brass |
| closure type: | Open |
| Product Group | B00308 |
| Inch - Metric | Metric |
| d ₁ | 129.2 mm |
| D ₁ | 153.1 mm |
| d ₂ | 108.97 mm |
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| Bearing number | 7318 BECBM |
| bore diameter: | 90 mm |
| Other Features | Normal Axial Internal Clearance |
| Keyword String | Angular Contact |
| cage material: | Brass |
| Limiting speed | 4500 r/min |
| overall width: | 43 mm |
| contact angle: | 40 ° |
| fillet radius: | 2.5 mm |
| Reference speed | 4500 r/min |
| finish/coating: | Uncoated |
| Rolling Element | Ball Bearing |
| Precision Class | ABEC 3 ISO P6 |
| Long Description | 90MM Bore; 190MM Outside Diameter; 43MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring |
| Manufacturer URL | http://www.skf.com |
| Outside Diameter | 7.48 Inch 190 Millimeter |
| precision rating: | ABEC 3 (ISO Class 6) |
| outer ring width: | 43 mm |
| Manufacturer Name | SKF |
| outside diameter: | 190 mm |
| Weight / Kilogram | 5.54 |
| r _b max. | 1 mm |
| Bore Diameter (mm) | 190 |
| D _a max. | 176 mm |
| D _b max. | 183 mm |
| r _a max. | 2.5 mm |

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| d_a min. | 104 mm |
| Internal Clearance | CB |
| Number of Bearings | 1 (Single) |
| internal clearance: | C0 |
| Outer Diameter (mm) | 90 |
| Calculation factor A | 0.333 |
| d_a - min. | 104 mm |
| r_a - max. | 2.5 mm |
| D_b - max. | 183 mm |
| Mounting Arrangement | Universal |
| Minimum Buy Quantity | N/A |
| $r_{1,2}$ min. | 3 mm |
| D_a - max. | 176 mm |
| $r_{3,4}$ min. | 1.1 mm |
| Calculation factor X | 0.57 |
| Calculation factor e | 1.14 |
| r_b - max. | 1 mm |
| D_1 ? | 153.1 mm |
| d_2 ? | 108.97 mm |
| d_1 ? | 129.2 mm |
| row type & fill slot: | Single-Row Non-Fill Slot |
| Calculation factor - X | 0.35 |
| Calculation factor - e | 1.14 |
| $r_{1,2}$ - min. | 3 mm |
| Harmonized Tariff Code | 8482.10.50.28 |
| $r_{3,4}$ - min. | 1.1 mm |
| Number of Rows of Balls | Single Row |
| Manufacturer Item Number | 7318 BECBM |
| Basic dynamic load rating C | 166 kN |
| radial static load capacity: | 146 kN |
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|----------------------------------|--------|
| Basic dynamic load rating - C | 166 kN |
| radial dynamic load capacity: | 166 kN |
| Maximum Capacity / Filling Slot | No |
| Calculation factor k_r | 0.1 |
| Calculation factor Y_1 | 0.55 |
| Calculation factor Y_2 | 0.93 |
| Calculation factor Y_0 | 0.52 |
| Fatigue load limit P_u | 5.3 kN |
| Calculation factor - Y_2 | 0.57 |
| Calculation factor - k_r | 0.1 |
| Calculation factor - Y_0 | 0.26 |
| Calculation factor - Y_1 | |
| Fatigue load limit - P_u | 5.3 kN |
| Calculation factor - k_a | 1.6 |
| Basic static load rating C_0 | 146 kN |
| Basic static load rating - C_0 | 146 kN |