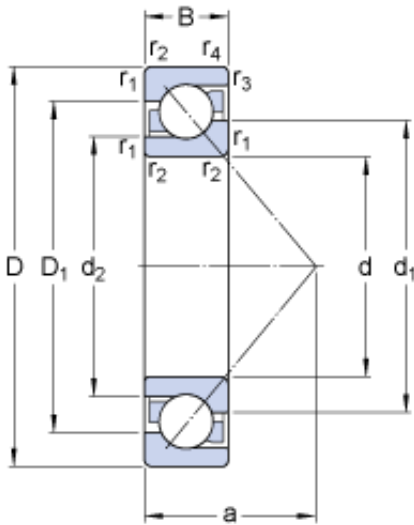




BEARING DRIVESHAFT, INC.

50 mm x 110 mm x 27 mm skf 7310 bep bearing

Bearing No. 7310 bep



7310 bep Bearing 2D drawings and 3D CAD models

| | |
|---|--------------|
| Size | 110x50x27 mm |
| Bore Diameter | 110 mm |
| Outer Diameter | 50 mm |
| Width | 27 mm |
| d | 50 mm |
| D | 110 mm |
| B | 27 mm |
| d ₁ | 73.8 mm |
| d ₂ | 61.13 mm |
| D ₁ | 88.8 mm |
| a | 47 mm |
| r _{1,2} - min. | 2 mm |
| r _{3,4} - min. | 1 mm |
| d _a - min. | 61 mm |
| D _a - max. | 99 mm |
| D _b - max. | 104 mm |
| r _a - max. | 2 mm |
| r _b - max. | 1 mm |
| Basic dynamic load rating - C | 68.9 kN |
| Basic static load rating - C ₀ | 47.5 kN |
| Fatigue load limit - P _u | 2 kN |
| Reference speed | 7500 r/min |
| Limiting speed | 7500 r/min |
| Calculation factor - k _r | 0.1 |
| Calculation factor - k _a | 1.6 |



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| | |
|-------------------------------------|---|
| 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 | 1.04 |
| EAN | 7316576634345 |
| Product Group | B00308 |
| Enclosure | Open |
| Flush Ground | No |
| 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 | C0-Medium |
| Number of Bearings | 1 (Single) |
| Inch - Metric | Metric |
| Long Description | 50MM Bore; 110MM Outside Diameter; 27MM |



BEARING DRIVESHAFT, INC.

| | |
|-------------------------------|---|
| | Width; Open; No 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 | 7310 BEP |
| Weight / LBS | 2.288 |
| Bore | 1.969 Inch 50 Millimeter |
| Outside Diameter | 4.331 Inch 110 Millimeter |
| Width | 1.063 Inch 27 Millimeter |
| bore diameter: | 50 mm |
| radial static load capacity: | 47.5 kN |
| outside diameter: | 110 mm |
| cage material: | Nylon |
| overall width: | 27 mm |
| outer ring width: | 27 mm |
| contact angle: | 40 ° |
| maximum rpm: | 7500 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: | 2 mm |
| radial dynamic load capacity: | 68.9 kN |
| series: | 73 |



BEARING DRIVESHAFT, INC.

| | |
|--------------------------------|----------|
| d_1 | 73.8 mm |
| d_2 | 61.13 mm |
| D_1 | 88.8 mm |
| $r_{1,2}$ min. | 2 mm |
| $r_{3,4}$ min. | 1 mm |
| d_a min. | 61 mm |
| D_a max. | 99 mm |
| D_b max. | 104 mm |
| r_a max. | 2 mm |
| r_b max. | 1 mm |
| Basic dynamic load rating C | 68.9 kN |
| Basic static load rating C_0 | 47.5 kN |
| Fatigue load limit P_u | 2 kN |
| Calculation factor A | 0.0418 |
| 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 | 1.1 kg |