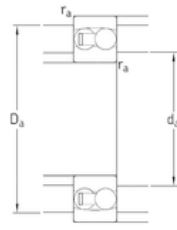


Cylindrical bore



Tapered bore



Bearing No. 2310

| | |
|---------------|-----------------------------|
| B | 40 mm |
| C | 40 mm |
| d | 50 mm |
| D | 110 mm |
| d2 | 65,8 mm |
| D1 | 94,4 mm |
| Bore | 1.969 Inch 50 Millimeter |
| Noun | Bearing |
| Weight | 1,65 Kg |
| UNSPSC | 31171532 |
| r1 min. | 2 mm |
| r2 min. | 2 mm |
| series: | 2300 |
| da min. | 61 mm |
| ra max. | 2 mm |
| Da max. | 99 mm |
| Category | Self Aligning Ball Bearings |
| Enclosure | Open |
| Size (mm) | 50x110x40 |
| Inventory | 0.0 |
| bore type: | Straight |
| Width (mm) | 40 |
| Weight / LBS | 3.664 |
| maximum rpm: | 9500 RPM |
| Mass bearing | 1.65 kg |
| Product Group | B00152 |
| Cage Material | Steel |
| closure type: | Open |
| Inch - Metric | Metric |

| | |
|---------------------|---|
| Bearing number | 2310 |
| overall width: | 40 mm |
| Keyword String | Self Aligning |
| Limiting speed | 9500 r/min |
| bore diameter: | 50 mm |
| Other Features | Allowable Misalignment 3 Deg |
| fillet radius: | 1.1 mm |
| finish/coating: | Uncoated |
| Precision Class | ABEC 1 ISO P0 |
| Rolling Element | Ball Bearing |
| Mounting Method | Shaft |
| Reference speed | 14000 r/min |
| Outside Diameter | 4.331 Inch 110 Millimeter |
| Long Description | 50MM Bore; Shaft Mount; 110MM Outside Diameter; 40MM Inner Race Width; 40MM Outer Race Width; Open; Steel Cage; Double Row of Balls; ABEC 1 ISO P0; C0-Medium |
| Outer Race Width | 1.575 Inch 40 Millimeter |
| Manufacturer URL | http://www.skf.com |
| Inner Race Width | 1.575 Inch 40 Millimeter |
| Weight / Kilogram | 1.663 |
| outside diameter: | 110 mm |
| outer ring width: | 40 mm |
| precision rating: | Not Rated |
| Manufacturer Name | SKF |
| Bore Diameter (mm) | 50 |
| r _a max. | 2 mm |

| | |
|------------------------------------|---------------|
| D_a max. | 99 mm |
| d_a min. | 61 mm |
| Internal Clearance | C0-Medium |
| Outer Diameter (mm) | 110 |
| internal clearance: | C0 |
| Calculation factor e | 0.43 |
| $r_{1,2}$ min. | 2 mm |
| Minimum Buy Quantity | N/A |
| d_1 ? | 66 mm |
| static load capacity: | 20 kN |
| D_1 ? | 92.5 mm |
| Calculation factor (e) | 0,43 |
| Harmonized Tariff Code | 8482.10.50.68 |
| dynamic load capacity: | 63.7 kN |
| Calculation factor (kr) | 0,05 |
| Calculation factor (Y1) | 1,5 |
| Calculation factor (Y0) | 1,6 |
| Fatigue load limit (Pu) | 1,04 |
| Number of Rows of Balls | Double Row |
| Manufacturer Item Number | 2310 |
| Basic dynamic load rating C | 63.7 kN |
| Basic static load rating (C0) | 20 kN |
| Basic dynamic load rating (C) | 63,7 kN |
| Fatigue load limit P_u | 1.04 kN |
| Calculation factor k_r | 0.05 |
| Calculation factor Y_0 | 1.6 |
| Calculation factor Y_1 | 1.5 |
| Calculation factor Y_2 | 2.3 |
| Permissible angular misalignment ? | 3 ° |

| | |
|-----------------------------------|-------|
| Basic static load rating C_0 | 20 kN |
|-----------------------------------|-------|