

2315 SKF internal clearance: C0 160x75x55mm Self aligning ball bearings

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| Bearing number | 2315 |
| Size (mm) | 160x75x55 |
| Brand | SKF |
| Bore Diameter (mm) | 160 |
| Outer Diameter (mm) | 75 |
| Width (mm) | 55 |
| d | 75 mm |
| D | 160 mm |
| B | 55 mm |
| d_1 | 97.8 mm |
| D_1 | 136.4 mm |
| $r_{1,2} - \text{min.}$ | 2.1 mm |
| $d_a - \text{min.}$ | 87 mm |
| $D_a - \text{max.}$ | 148 mm |
| $r_a - \text{max.}$ | 2 mm |
| Basic dynamic load rating – C | 124 kN |
| Basic static load rating – C_0 | 43 kN |
| Fatigue load limit – P_u | 2 kN |
| Reference speed | 7500 r/min |
| Limiting speed | 5600 r/min |
| Calculation factor – k_r | 0.05 |
| Calculation factor – e | 0.37 |

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| Calculation factor – Y ₀ | 1.8 |
| Calculation factor – Y ₁ | 1.7 |
| Calculation factor – Y ₂ | 2.6 |
| Category | Self Aligning Ball Bearings |
| BDI Inventory | 0.0 |
| Manufacturer Name | SKF |
| Minimum Buy Quantity | N/A |
| Weight / Kilogram | 4.94 |
| EAN | 7316577002129 |
| Product Group – BDI | B04311 |
| Mounting Method | Shaft |
| Enclosure | Open |
| Rolling Element | Ball Bearing |
| Cage Material | Steel |
| Precision Class | ABEC 1 ISO P0 |
| Internal Clearance | C0-Medium |
| Number of Rows of Balls | Double Row |
| Other Features | Allowable Misalignment 3 Deg |
| Long Description | 75MM Bore; Shaft Mount; 160MM Outside Diameter; 55MM Inner Race Width; 55MM Outer Race Width; Open; Steel Cage; Double Row of Balls; ABEC 1 ISO P0; C0-Medium |
| Inch – Metric | Metric |
| Category – BDI | Self Aligning Ball Bearings |
| UNSPSC | 31171532 |
| Harmonized Tariff Code | 8482.10.50.68 |
| Noun | Bearing |

| Keyword String | Self Aligning |
|--------------------------|---|
| Manufacturer URL | http://www.skf.com |
| Manufacturer Item Number | 2315 |
| Weight / LBS | 10.88 |
| Outside Diameter | 6.299 Inch 160 Millimeter |
| Bore | 2.953 Inch 75 Millimeter |
| Outer Race Width | 2.165 Inch 55 Millimeter |
| Inner Race Width | 2.165 Inch 55 Millimeter |
| bore diameter: | 75 mm |
| precision rating: | Not Rated |
| outside diameter: | 160 mm |
| maximum rpm: | 5600 RPM |
| overall width: | 55 mm |
| cage material: | Steel |
| bore type: | Straight |
| finish/coating: | Uncoated |
| closure type: | Open |
| outer ring width: | 55 mm |
| internal clearance: | C0 |
| fillet radius: | 2 mm |
| dynamic load capacity: | 124 kN |
| series: | 2300 |
| static load capacity: | 43 kN |
| $d_1 \approx$ | 97.8 mm |
| $D_1 \approx$ | 136.4 mm |
| $r_{1,2} \text{ min.}$ | 2.1 mm |
| $d_a \text{ min.}$ | 87 mm |
| $D_a \text{ max.}$ | 148 mm |

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| r_a max. | 2 mm |
| Basic dynamic load rating C | 124 kN |
| Basic static load rating C_0 | 43 kN |
| Fatigue load limit P_u | 2.04 kN |
| Permissible angular misalignment α | 3 ° |
| Calculation factor k_r | 0.05 |
| Calculation factor e | 0.37 |
| Calculation factor Y_0 | 1.8 |
| Calculation factor Y_1 | 1.7 |
| Calculation factor Y_2 | 2.6 |
| Mass bearing | 4.7 kg |