

1222 SKF 110x200x38mm Manufacturer Name SKF Self aligning ball bearings

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| Bearing number | 1222 |
| Size (mm) | 110x200x38 |
| Brand | SKF |
| Bore Diameter (mm) | 110 |
| Outer Diameter (mm) | 200 |
| Width (mm) | 38 |
| d | 110 mm |
| D | 200 mm |
| B | 38 mm |
| C | 38 mm |
| d2 | 140 mm |
| r1 min. | 2.1 mm |
| r2 min. | 2.1 mm |
| D1 | 176 mm |
| da min. | 122 mm |
| Da max. | 188 mm |
| ra max. | 2 mm |
| Weight | 5.15 Kg |
| Basic dynamic load rating (C) | 88.4 kN |
| Basic static load rating (C0) | 39 kN |
| Fatigue load limit (Pu) | 1.6 |
| Reference speed | 6700 r/min |
| Limiting speed | 4300 r/min |
| Calculation factor (e) | 0.17 |

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| Calculation factor (kr) | 0.04 |
| Calculation factor (Y0) | 4 |
| Calculation factor (Y1) | 3.7 |
| Category | Self Aligning Ball Bearings |
| BDI Inventory | 0.0 |
| Manufacturer Name | SKF |
| Minimum Buy Quantity | N/A |
| Weight / Kilogram | 5.25 |
| EAN | 7316576605499 |
| Product Group – BDI | B00152 |
| 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 | 110MM Bore; Shaft Mount; 200MM Outside Diameter; 38MM Inner Race Width; 38MM 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 |

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| Manufacturer URL | http://www.skf.com |
| Manufacturer Item Number | 1222 |
| Weight / LBS | 11.563 |
| Outer Race Width | 1.496 Inch 38 Millimeter |
| Outside Diameter | 7.874 Inch 200 Millimeter |
| Bore | 4.331 Inch 110 Millimeter |
| Inner Race Width | 1.496 Inch 38 Millimeter |
| bore diameter: | 110 mm |
| precision rating: | Not Rated |
| outside diameter: | 200 mm |
| maximum rpm: | 4300 RPM |
| overall width: | 38 mm |
| cage material: | Steel |
| bore type: | Straight |
| finish/coating: | Uncoated |
| closure type: | Open |
| outer ring width: | 38 mm |
| internal clearance: | C0 |
| fillet radius: | 2 mm |
| dynamic load capacity: | 88.4 kN |
| series: | 1200 |
| static load capacity: | 39 kN |
| $d_1 \approx$ | 140.35 mm |
| $D_1 \approx$ | 173.7 mm |
| $r_{1,2} \text{ min.}$ | 2.1 mm |
| $d_a \text{ min.}$ | 122 mm |
| $D_a \text{ max.}$ | 188 mm |
| $r_a \text{ max.}$ | 2 mm |

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| Basic dynamic load rating C | 88.4 kN |
| Basic static load rating C_0 | 39 kN |
| Fatigue load limit P_u | 1.6 kN |
| Permissible angular misalignment α | 2.5 ° |
| Calculation factor k_r | 0.04 |
| Calculation factor e | 0.17 |
| Calculation factor Y_0 | 4 |
| Calculation factor Y_1 | 3.7 |
| Calculation factor Y_2 | 5.7 |
| Mass bearing | 5.15 kg |