

2214 SKF 125x70x31mm Minimum Buy Quantity N/A Self aligning ball bearings

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| Bearing number | 2214 |
| Size (mm) | 125x70x31 |
| Brand | SKF |
| Bore Diameter (mm) | 125 |
| Outer Diameter (mm) | 70 |
| Width (mm) | 31 |
| d | 70 mm |
| D | 125 mm |
| B | 31 mm |
| d ₁ | 88 mm |
| D ₁ | 109 mm |
| r _{1,2} – min. | 1.5 mm |
| d _a – min. | 79 mm |
| D _a – max. | 116 mm |
| r _a – max. | 1.5 mm |
| Basic dynamic load rating – C | 44.2 kN |
| Basic static load rating – C ₀ | 17 kN |
| Fatigue load limit – P _u | 0.88 kN |
| Reference speed | 10000 r/min |
| Limiting speed | 6700 r/min |
| Calculation factor – k _r | 0.04 |
| Calculation factor – e | 0.27 |

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| Calculation factor – Y_0 | 2.5 |
| Calculation factor – Y_1 | 2.3 |
| Calculation factor – Y_2 | 3.6 |
| Category | Self Aligning Ball Bearings |
| BDI Inventory | 0.0 |
| Manufacturer Name | SKF |
| Minimum Buy Quantity | N/A |
| Weight / Kilogram | 1.574 |
| EAN | 7316576605741 |
| 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 | 70MM Bore; Shaft Mount; 125MM Outside Diameter; 31MM Inner Race Width; 31MM 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 | 2214 |
| Weight / LBS | 3.466 |
| Bore | 2.756 Inch 70 Millimeter |
| Outer Race Width | 1.22 Inch 31 Millimeter |
| Outside Diameter | 4.921 Inch 125 Millimeter |
| Inner Race Width | 1.22 Inch 31 Millimeter |
| bore diameter: | 70 mm |
| static load capacity: | 17 kN |
| outside diameter: | 125 mm |
| precision rating: | Not Rated |
| overall width: | 31 mm |
| maximum rpm: | 6700 RPM |
| bore type: | Straight |
| finish/coating: | Uncoated |
| closure type: | Open |
| outer ring width: | 31 mm |
| internal clearance: | C0 |
| fillet radius: | 1.5 mm |
| dynamic load capacity: | 44.2 kN |
| series: | 2200 |
| $d_1 \approx$ | 88 mm |
| $D_1 \approx$ | 109 mm |
| $r_{1,2} \text{ min.}$ | 1.5 mm |
| $d_a \text{ min.}$ | 79 mm |
| $D_a \text{ max.}$ | 116 mm |
| $r_a \text{ max.}$ | 1.5 mm |

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|---|---------|
| Basic dynamic load rating C | 44.2 kN |
| Basic static load rating C_0 | 17 kN |
| Fatigue load limit P_u | 0.88 kN |
| Permissible angular misalignment α | 2.5 ° |
| Calculation factor k_r | 0.04 |
| Calculation factor e | 0.27 |
| Calculation factor Y_0 | 2.5 |
| Calculation factor Y_1 | 2.3 |
| Calculation factor Y_2 | 3.6 |
| Mass bearing | 1.5 kg |