

210-ZNR SKF 90x50x20mm

Internal Special Features No Deep groove ball bearings

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| Bearing number | 210-ZNR |
| Size (mm) | 90x50x20 |
| Brand | SKF |
| Bore Diameter (mm) | 90 |
| Outer Diameter (mm) | 50 |
| Width (mm) | 20 |
| d | 50 mm |
| D | 90 mm |
| B | 20 mm |
| d ₁ | 62.51 mm |
| D ₂ | 81.61 mm |
| D ₃ | 86.79 mm |
| D ₄ | 96.5 mm |
| b | 2.7 mm |
| C | 3.28 mm |
| f | 2.46 mm |
| r ₀ | 0.6 mm |
| r _{1,2} – min. | 1.1 mm |
| d _a – min. | 57 mm |
| d _a – max. | 62.4 mm |
| D _a – max. | 83 mm |
| D _b – min. | 98 mm |

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| b_a – min. | 3 mm |
| C_a – max. | 5.74 mm |
| r_a – max. | 1 mm |
| Basic dynamic load rating – C | 39.1 kN |
| Basic static load rating – C_0 | 34.5 kN |
| Fatigue load limit – P_u | 1.5 kN |
| Reference speed | 13000 r/min |
| Limiting speed | 8000 r/min |
| Calculation factor minimum radial load – k_r | 0.04 |
| Mass bearing | 0.5 kg |
| Category | Single Row Ball Bearings |
| BDI Inventory | 0.0 |
| Manufacturer Name | SKF |
| Minimum Buy Quantity | N/A |
| Weight / Kilogram | 0.537 |
| EAN | 7316576679742 |
| Product Group – BDI | B00308 |
| Enclosure | 1 Metal Shield |
| Precision Class | ABEC 1 ISO P0 |
| Maximum Capacity / Filling Slot | Yes |
| Rolling Element | Ball Bearing |
| Snap Ring | Yes |
| Internal Special Features | No |
| Cage Material | Steel |
| Internal Clearance | C0-Medium |
| Inch – Metric | Metric |

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| Long Description | 50MM Bore; 90MM Outside Diameter; 20MM Outer Race Diameter; 1 Metal Shield; Ball Bearing; ABEC 1 ISO P0; Yes Filling Slot; Yes Snap Ring; No Internal Special Features |
| Category – BDI | Single Row Ball Bearing |
| UNSPSC | 31171504 |
| Harmonized Tariff Code | 8482.10.50.68 |
| Noun | Bearing |
| Keyword String | Ball |
| Manufacturer URL | http://www.skf.com |
| Manufacturer Item Number | 210 ZNR |
| Weight / LBS | 1.1 |
| Bore | 1.969 Inch 50 Millimeter |
| Outside Diameter | 3.543 Inch 90 Millimeter |
| Outer Race Width | 0.787 Inch 20 Millimeter |
| bore diameter: | 50 mm |
| static load capacity: | 34.5 kN |
| outside diameter: | 90 mm |
| precision rating: | ABEC 3 (ISO Class 6) |
| overall width: | 20 mm |
| finish/coating: | Uncoated |
| bore type: | Round |
| cage material: | Steel |
| closure type: | Single Shield |
| outer ring width: | 20 mm |
| row type & fill slot: | Single Row Filling Slot |
| fillet radius: | 1 mm |
| snap ring included: | With Snap Ring |

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| maximum rpm: | 8000 RPM |
| internal clearance: | C0 |
| series: | 21 |
| dynamic load capacity: | 39.1 kN |
| thrust application warning: | This product can not be used in Thrust Applications |
| $d_1 \approx$ | 62.51 mm |
| $D_2 \approx$ | 81.61 mm |
| D_3 | 86.79 mm |
| D_4 | 96.5 mm |
| r_0 max. | 0.6 mm |
| $r_{1,2}$ min. | 1.1 mm |
| d_a min. | 57 mm |
| d_a max. | 62.4 mm |
| D_a max. | 83 mm |
| D_b min. | 98 mm |
| b_a min. | 3 mm |
| C_a max. | 5.74 mm |
| r_a max. | 1 mm |
| Basic dynamic load rating C | 39.1 kN |
| Basic static load rating C_0 | 34.5 kN |
| Fatigue load limit P_u | 1.46 kN |
| Calculation factor k_r | 0.04 |
| Snap ring | SP 90 |