

210-2Z SKF dynamic load capacity: 39.1 kN 50x90x20mm Deep groove ball bearings

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| Bearing number | 210-2Z |
| Size (mm) | 50x90x20 |
| Brand | SKF |
| Bore Diameter (mm) | 50 |
| Outer Diameter (mm) | 90 |
| Width (mm) | 20 |
| d | 50 mm |
| D | 90 mm |
| B | 20 mm |
| C | 20 mm |
| d1 | 62.5 mm |
| r1 min. | 1.1 mm |
| r2 min. | 1.1 mm |
| D2 | 81.7 mm |
| da min. | 57 mm |
| da max | 62.4 mm |
| Da max. | 83 mm |
| ra max. | 1 mm |
| Weight | 0.5 Kg |
| Basic dynamic load rating (C) | 39.1 kN |
| Basic static load rating (C0) | 34.5 kN |
| Fatigue load limit (Pu) | 1.46 |
| Reference speed | 13000 r/min |
| Limiting speed | 8000 r/min |

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| Category | Single Row Ball Bearings |
| BDI Inventory | 0.0 |
| Manufacturer Name | SKF |
| Minimum Buy Quantity | N/A |
| Weight / Kilogram | 0.533 |
| EAN | 7316577292766 |
| Product Group – BDI | B00308 |
| Enclosure | 2 Metal Shields |
| Precision Class | ABEC 1 ISO P0 |
| Maximum Capacity / Filling Slot | Yes |
| Rolling Element | Ball Bearing |
| Snap Ring | No |
| Internal Special Features | No |
| Cage Material | Steel |
| Internal Clearance | C0-Medium |
| Inch – Metric | Metric |
| Long Description | 50MM Bore; 90MM Outside Diameter; 20MM Outer Race Diameter; 2 Metal Shields; Ball Bearing; ABEC 1 ISO P0; Yes Filling Slot; No 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 |

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| Manufacturer Item Number | 210 2Z |
| Weight / LBS | 1.15 |
| Outer Race Width | 0.787 Inch 20 Millimeter |
| Bore | 1.969 Inch 50 Millimeter |
| Outside Diameter | 3.543 Inch 90 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: | Double Shielded |
| outer ring width: | 20 mm |
| row type & fill slot: | Single Row Filling Slot |
| fillet radius: | 1 mm |
| snap ring included: | Without Snap Ring |
| 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 |
| $r_{1,2} \text{ min.}$ | 1.1 mm |
| $d_a \text{ min.}$ | 57 mm |
| $d_a \text{ max.}$ | 62.4 mm |

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|--------------------------------|---------|
| D_a max. | 83 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 |
| Mass bearing | 0.5 kg |