

207-2Z SKF 72x35x17mm

Calculation factor k_r 0.04

Deep groove ball bearings

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| Brand | SKF |
| Bearing number | 207-2Z |
| Size (mm) | 72x35x17 |
| Bore Diameter (mm) | 72 |
| Outer Diameter (mm) | 35 |
| Width (mm) | 17 |
| d | 35 mm |
| D | 72 mm |
| B | 17 mm |
| d_1 | 46.94 mm |
| D_2 | 62.69 mm |
| $r_{1,2} - \text{min.}$ | 1.1 mm |
| $d_a - \text{min.}$ | 42 mm |
| $d_a - \text{max.}$ | 46.8 mm |
| $D_a - \text{max.}$ | 65 mm |
| $r_a - \text{max.}$ | 1 mm |
| Basic dynamic load rating – C | 27.5 kN |
| Basic static load rating – C_0 | 22 kN |
| Fatigue load limit – P_u | 0.93 kN |
| Reference speed | 17000 r/min |
| Limiting speed | 8000 r/min |
| Calculation factor – k_r | 0.04 |

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| Category | Single Row Ball Bearings |
| BDI Inventory | 0.0 |
| Manufacturer Name | SKF |
| Minimum Buy Quantity | N/A |
| Weight / Kilogram | 0.331 |
| EAN | 7316577292735 |
| 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 | 35MM Bore; 72MM Outside Diameter; 17MM 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 | 207 2Z |
| Weight / LBS | 0.7 |
| Bore | 1.378 Inch 35 Millimeter |
| Outside Diameter | 2.835 Inch 72 Millimeter |
| Outer Race Width | 0.669 Inch 17 Millimeter |
| bore diameter: | 35 mm |
| static load capacity: | 22 kN |
| outside diameter: | 72 mm |
| precision rating: | ABEC 3 (ISO Class 6) |
| overall width: | 17 mm |
| finish/coating: | Uncoated |
| bore type: | Round |
| cage material: | Steel |
| closure type: | Double Shielded |
| outer ring width: | 17 mm |
| row type & fill slot: | Single Row Filling Slot |
| fillet radius: | 1 mm |
| snap ring included: | Without Snap Ring |
| maximum rpm: | 10000 RPM |
| internal clearance: | C0 |
| series: | 20 |
| dynamic load capacity: | 27.5 kN |
| thrust application warning: | This product can not be used in Thrust Applications |
| $d_1 \approx$ | 46.94 mm |
| $D_2 \approx$ | 62.69 mm |
| $r_{1,2} \text{ min.}$ | 1.1 mm |
| $d_a \text{ min.}$ | 42 mm |
| $d_a \text{ max.}$ | 46.8 mm |

| | |
|--------------------------------|---------|
| D_a max. | 65 mm |
| r_a max. | 1 mm |
| Basic dynamic load rating C | 27.5 kN |
| Basic static load rating C_0 | 22 kN |
| Fatigue load limit P_u | 0.93 kN |
| Calculation factor k_r | 0.04 |
| Mass bearing | 0.31 kg |