

16004 SKF 42x20x8mm

Calculation factor k_r 0.02

Deep groove ball bearings

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| Bearing number | 16004 |
| Size (mm) | 42x20x8 |
| Brand | SKF |
| Bore Diameter (mm) | 42 |
| Outer Diameter (mm) | 20 |
| Width (mm) | 8 |
| d | 20 mm |
| D | 42 mm |
| B | 8 mm |
| d_1 | 27.25 mm |
| D_2 | 37.19 mm |
| $r_{1,2} - \text{min.}$ | 0.3 mm |
| $d_a - \text{min.}$ | 22 mm |
| $D_a - \text{max.}$ | 40 mm |
| $r_a - \text{max.}$ | 0.3 mm |
| Basic dynamic load rating – C | 7.3 kN |
| Basic static load rating – C_0 | 4 kN |
| Fatigue load limit – P_u | 0.173 kN |
| Reference speed | 38000 r/min |
| Limiting speed | 24000 r/min |
| Calculation factor – k_r | 0.02 |
| Calculation factor – f_0 | 15 |

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| Category | Single Row Ball Bearings |
| BDI Inventory | 0.0 |
| Manufacturer Name | SKF |
| Minimum Buy Quantity | N/A |
| Weight / Kilogram | 0.052 |
| EAN | 7316577015839 |
| Product Group – BDI | B00308 |
| Enclosure | Open |
| Precision Class | ABEC 1 ISO P0 |
| Maximum Capacity / Filling Slot | No |
| Rolling Element | Ball Bearing |
| Snap Ring | No |
| Internal Special Features | No |
| Cage Material | Steel |
| Internal Clearance | C0-Medium |
| Inch – Metric | Metric |
| Long Description | 20MM Bore; 42MM Outside Diameter; 8MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; No 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 |
| Manufacturer Item Number | 16004 |

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| Weight / LBS | 0.115 |
| Bore | 0.787 Inch 20 Millimeter |
| Outer Race Width | 0.315 Inch 8 Millimeter |
| Outside Diameter | 1.654 Inch 42 Millimeter |
| $d_1 \approx$ | 27.25 mm |
| $d_a \text{ min.}$ | 22 mm |
| $D_a \text{ max.}$ | 40 mm |
| $r_a \text{ max.}$ | 0.3 mm |
| Basic dynamic load rating C | 7.28 kN |
| Basic static load rating C_0 | 4.05 kN |
| Fatigue load limit P_u | 0.173 kN |
| Calculation factor k_r | 0.02 |
| Calculation factor f_0 | 14.9 |
| Mass bearing | 0.051 kg |