

16005 SKF UNSPSC 31171504 47x25x8mm Deep groove ball bearings

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| Bearing number | 16005 |
| Size (mm) | 47x25x8 |
| Brand | SKF |
| Bore Diameter (mm) | 47 |
| Outer Diameter (mm) | 25 |
| Width (mm) | 8 |
| d | 25 mm |
| D | 47 mm |
| B | 8 mm |
| d ₁ | 33.35 mm |
| D ₂ | 42.4 mm |
| r _{1,2} – min. | 0.3 mm |
| d _a – min. | 27 mm |
| D _a – max. | 45 mm |
| r _a – max. | 0.3 mm |
| Basic dynamic load rating – C | 8.1 kN |
| Basic static load rating – C ₀ | 4.8 kN |
| Fatigue load limit – P _u | 0.212 kN |
| Reference speed | 32000 r/min |
| Limiting speed | 20000 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 | 0.063 |
| EAN | 7316576676611 |
| 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 | 25MM Bore; 47MM 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 | 16005 |
| Weight / LBS | 0.139 |

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| Bore | 0.984 Inch 25 Millimeter |
| Outer Race Width | 0.315 Inch 8 Millimeter |
| Outside Diameter | 1.85 Inch 47 Millimeter |
| bore diameter: | 25 mm |
| static load capacity: | 4.75 kN |
| outside diameter: | 47 mm |
| precision rating: | Not Rated |
| overall width: | 8 mm |
| finish/coating: | Uncoated |
| bore type: | Round |
| cage material: | Steel |
| closure type: | Open |
| outer ring width: | 8 mm |
| row type & fill slot: | Single Row Non-Fill Slot |
| fillet radius: | 0.3 mm |
| snap ring included: | Without Snap Ring |
| maximum rpm: | 20000 RPM |
| internal clearance: | C0 |
| series: | 16 |
| dynamic load capacity: | 8.06 kN |
| $d_1 \approx$ | 33.35 mm |
| $r_{1,2} \text{ min.}$ | 0.3 mm |
| $d_a \text{ min.}$ | 27 mm |
| $D_a \text{ max.}$ | 45 mm |
| $r_a \text{ max.}$ | 0.3 mm |
| Basic dynamic load rating C | 8.06 kN |
| Basic static load rating C_0 | 4.75 kN |
| Fatigue load limit P_u | 0.212 kN |

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| Calculation factor k_r | 0.02 |
| Calculation factor f_θ | 15 |
| Mass bearing | 0.055 kg |