



Bearing No. NU 2304 ECP

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| D | 52 mm |
| d | 20 mm |
| B | 21 mm |
| F | 27.5 mm |
| s | 1.9 mm |
| Bore | 0.787 Inch 20 Millimeter |
| Noun | Bearing |
| Width | 0.827 Inch 21 Millimeter |
| s max. | 1.9 mm |
| UNSPSC | 31171547 |
| series: | NU23 |
| Profile | Complete with Outer and Inner Ring |
| flanges: | (2) Outer Ring |
| Retainer | Yes |
| Category | Cylindrical Roller Bearing |
| Size (mm) | 52x20x21 |
| Snap Ring | No |
| Inventory | 0.0 |
| Separable | Inner Ring - Both Sides |
| bore type: | Straight |
| Width (mm) | 21 |
| Bore Profile | Straight |
| Mass bearing | 0.21 kg |
| application: | Piston Type Machines, Rolling Mills, Spindles/Machine Tools |
| Weight / LBS | 0.478 |
| maximum rpm: | 18000 RPM |

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| closure type: | Open |
| Inch - Metric | Metric |
| Product Group | B04144 |
| Cage Material | Polymer |
| D ₁ | 41.85 mm |
| bore diameter: | 20 mm |
| overall width: | 21 mm |
| cage material: | Polyamide |
| Other Features | High Capacity Plain Inner Ring 2 Rib Outer Ring Cage on Outer Ring ID |
| Relubricatable | Yes |
| fillet radius: | 1 mm |
| Bearing number | NU 2304 ECP |
| Limiting speed | 18000 r/min |
| Rolling Element | Cylindrical Roller Bearing |
| number of rows: | 1 |
| Precision Class | RBEC 1 ISO P0 |
| finish/coating: | Uncoated |
| Reference speed | 15000 r/min |
| ring separation: | Separable Ring |
| Manufacturer URL | http://www.skf.com |
| Outside Diameter | 2.047 Inch 52 Millimeter |
| Limiting value e | 0.3 |
| Long Description | 20MM Bore; Straight Bore Profile; 52MM Outside Diameter; 21MM Width; Polymer Cage Material; RBEC 1 ISO P0; Single Row; Inner Ring - Both Sides Separable; No Snap Ring; Relubricatable; |

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| | C0-Medium Int |
| outer ring width: | 21 mm |
| Manufacturer Name | SKF |
| Weight / Kilogram | 0.217 |
| bearing material: | Steel |
| precision rating: | RBEC 1 (ISO Class Normal) |
| outside diameter: | 52 mm |
| Internal Clearance | C0-Medium |
| Bore Diameter (mm) | 52 |
| r_b max. | 0.6 mm |
| d_a max. | 26.2 mm |
| d_b min. | 29 mm |
| D_a max. | 45.4 mm |
| r_a max. | 1 mm |
| d_a min. | 24.1 mm |
| Outer Diameter (mm) | 20 |
| Axial load factor Y | 0.4 |
| internal clearance: | C0 |
| $r_{3,4}$ min. | 0.6 mm |
| $r_{1,2}$ min. | 1.1 mm |
| d_a - min. | 24.1 mm |
| r_a - max. | 1 mm |
| Minimum Buy Quantity | N/A |
| r_b - max. | 0.6 mm |
| d_a - max. | 26.2 mm |
| d_b - min. | 29 mm |
| D_a - max. | 45.4 mm |
| static load capacity: | 38 kN |
| D_1 ? | 41.85 mm |
| $r_{3,4}$ - min. | 0.6 mm |
| Harmonized Tariff Code | 8482.50.00.00 |
| | 1.1 mm |

r^{1,2} - min.

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| dynamic load capacity: | 47.5 kN |
| Manufacturer Item Number | NU 2304 ECP |
| Number of Rows of Rollers | Single Row |
| Basic dynamic load rating C | 47.5 kN |
| operating temperature range: | Maximum of +300 °F |
| Basic dynamic load rating - C | 47.5 kN |
| Fatigue load limit P_u | 4.8 kN |
| Calculation factor k_r | 0.25 |
| Fatigue load limit - P_u | 4.8 kN |
| Calculation factor - k_r | 0.25 |
| Basic static load rating C_0 | 38 kN |
| Basic static load rating - C_0 | 38 kN |