



Bearing No. 623

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|----------------|---------------------------|
| D | 10 mm |
| d | 3 mm |
| B | 4 mm |
| Bore | 0.118 Inch 3 Millimeter |
| Noun | Bearing |
| UNSPSC | 31171504 |
| series: | 62 |
| Category | Single Row Ball Bearing |
| Enclosure | Open |
| Inventory | 0.0 |
| Size (mm) | 10x3x4 |
| Snap Ring | No |
| Width (mm) | 4 |
| bore type: | Round |
| Weight / LBS | 0.01 |
| Mass bearing | 0.0015 kg |
| maximum rpm: | 80000 RPM |
| closure type: | Open |
| D ₂ | 8.2 mm |
| d ₁ | 5.2 mm |
| Inch - Metric | Metric |
| Cage Material | Steel |
| Product Group | B00308 |
| bore diameter: | 3 mm |
| cage material: | Steel |
| Keyword String | Ball |
| fillet radius: | 0.1 mm |
| overall width: | 4 mm |
| Bearing number | 623 |
| Limiting speed | 80000 r/min |

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| finish/coating: | Uncoated |
| Precision Class | ABEC 1 ISO P0 |
| Rolling Element | Ball Bearing |
| Reference speed | 130000 r/min |
| Outer Race Width | 0.157 Inch 4 Millimeter |
| Manufacturer URL | http://www.skf.com |
| Outside Diameter | 0.394 Inch 10 Millimeter |
| Long Description | 3MM Bore; 10MM Outside Diameter; 4MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features |
| Manufacturer Name | SKF |
| Weight / Kilogram | 0.004 |
| outer ring width: | 4 mm |
| precision rating: | Not Rated |
| outside diameter: | 10 mm |
| Internal Clearance | C0-Medium |
| D _a max. | 8.8 mm |
| Bore Diameter (mm) | 10 |
| d _a min. | 4.2 mm |
| r _a max. | 0.1 mm |
| internal clearance: | C0 |
| snap ring included: | Without Snap Ring |
| Outer Diameter (mm) | 3 |
| Minimum Buy Quantity | N/A |
| r _{1,2} min. | 0.15 mm |
| r _a - max. | 0.1 mm |
| D _a - max. | 8.8 mm |
| d _a - min. | 4.2 mm |
| static load capacity: | 0.18 kN |

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|----------------------------------|--------------------------|
| d_1 ? | 5.2 mm |
| D_2 ? | 8.2 mm |
| row type & fill slot: | Single Row Non-Fill Slot |
| dynamic load capacity: | 0.54 kN |
| Harmonized Tariff Code | 8482.10.50.68 |
| $r_{1,2}$ - min. | 0.15 mm |
| Manufacturer Item Number | 623 |
| Internal Special Features | No |
| Basic dynamic load rating C | 0.54 kN |
| Basic dynamic load rating - C | 0.54 kN |
| Maximum Capacity / Filling Slot | No |
| Fatigue load limit P_u | 0.007 kN |
| Calculation factor k_r | 0.025 |
| Calculation factor f_0 | 7.5 |
| Fatigue load limit - P_u | 0.007 kN |
| Calculation factor - k_r | 0.025 |
| Calculation factor - f_0 | 7.5 |
| Basic static load rating C_0 | 0.18 kN |
| Basic static load rating - C_0 | 0.18 kN |