



KRS Guide Wheel Bearing Co., Ltd



623 Bearing 2D drawings and 3D CAD models

Hot Sale SKF Deep Groove Ball Bearing 623 Size 3*10*4 623/624/625/626/627/628

Bearing No. 623

| | |
|---|--------------|
| Size | 10x3x4 mm |
| Bore Diameter | 10 mm |
| Outer Diameter | 3 mm |
| Width | 4 mm |
| d | 3 mm |
| D | 10 mm |
| B | 4 mm |
| d ₁ | 5.2 mm |
| D ₂ | 8.2 mm |
| r _{1,2} - min. | 0.15 mm |
| d _a - min. | 4.2 mm |
| D _a - max. | 8.8 mm |
| r _a - max. | 0.1 mm |
| Basic dynamic load rating - C | 0.54 kN |
| Basic static load rating - C ₀ | 0.18 kN |
| Fatigue load limit - P _u | 0.007 kN |
| Reference speed | 130000 r/min |
| Limiting speed | 80000 r/min |
| Calculation factor - k _r | 0.025 |
| Calculation factor - f ₀ | 7.5 |
| Size | 10x3x4 mm |
| Bore Diameter | 10 mm |
| Outer Diameter | 3 mm |
| Width | 4 mm |



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| Calculation factor - k _r | 0.025 |
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| Category | Single Row Ball Bearings |
| Inventory | 0.0 |
| Manufacturer Name | SKF |
| Minimum Buy Quantity | N/A |
| Weight / Kilogram | 0.004 |
| EAN | 7316577112026 |
| Product Group | 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 |



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| | |
|--------------------------|--|
| Internal Clearance | C0-Medium |
| Inch - Metric | Metric |
| 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 |
| Category | 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 | 623 |
| Weight / LBS | 0.01 |
| Outer Race Width | 0.157 Inch 4 Millimeter |
| Outside Diameter | 0.394 Inch 10 Millimeter |
| Bore | 0.118 Inch 3 Millimeter |
| bore diameter: | 3 mm |
| static load capacity: | 0.18 kN |
| outside diameter: | 10 mm |
| precision rating: | Not Rated |
| overall width: | 4 mm |
| finish/coating: | Uncoated |
| bore type: | Round |
| cage material: | Steel |
| closure type: | Open |
| outer ring width: | 4 mm |
| row type & fill slot: | Single Row Non-Fill Slot |
| fillet radius: | 0.1 mm |
| snap ring included: | Without Snap Ring |
| maximum rpm: | 80000 RPM |
| | |



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| | |
|--------------------------------|-----------|
| internal clearance: | C0 |
| series: | 62 |
| dynamic load capacity: | 0.54 kN |
| d_1 | 5.2 mm |
| D_2 | 8.2 mm |
| $r_{1,2}$ min. | 0.15 mm |
| d_a min. | 4.2 mm |
| D_a max. | 8.8 mm |
| r_a max. | 0.1 mm |
| Basic dynamic load rating C | 0.54 kN |
| Basic static load rating C_0 | 0.18 kN |
| Fatigue load limit P_u | 0.007 kN |
| Calculation factor k_f | 0.025 |
| Calculation factor f_0 | 7.5 |
| Mass bearing | 0.0015 kg |