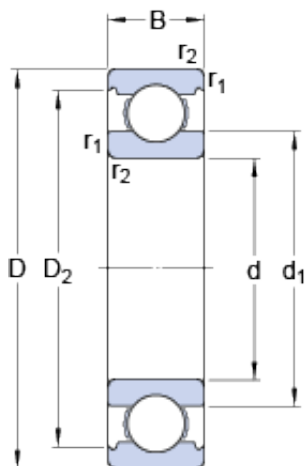




# TIMKEN BEARING-SINGAPORE (PTE)LTD.



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

Bearing No. 623

623 Bearing 2D drawings and 3D CAD models

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



## TIMKEN BEARING-SINGAPORE (PTE)LTD.

|   |                          |
|---|--------------------------|
| d   | 3 mm                     |
| D   | 10 mm                    |
| B   | 4 mm                     |
| d <sub>1</sub>                            | 5.2 mm                   |
| D <sub>2</sub>                            | 8.2 mm                   |
| r <sub>1,2</sub> - min.                   | 0.15 mm                  |
| d <sub>a</sub> - min.                     | 4.2 mm                   |
| D <sub>a</sub> - max.                     | 8.8 mm                   |
| r <sub>a</sub> - max.                     | 0.1 mm                   |
| Basic dynamic load rating - C             | 0.54 kN                  |
| Basic static load rating - C <sub>0</sub> | 0.18 kN                  |
| Fatigue load limit - P <sub>u</sub>       | 0.007 kN                 |
| Reference speed                           | 130000 r/min             |
| Limiting speed                            | 80000 r/min              |
| Calculation factor - k <sub>r</sub>       | 0.025                    |
| Calculation factor - f <sub>0</sub>       | 7.5                      |
| Category                                  | Single Row Ball Bearings |
| Inventory                                 | 0.0                      |
| Manufacturer Name                         | SKF                      |
| Minimum Buy Quantity                      | N/A                      |
| Weight / Kilogram                         | 0.004                    |
| 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                    |
| Internal Clearance                        | C0-Medium                |



## TIMKEN BEARING-SINGAPORE (PTE)LTD.

| 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         | <a href="http://www.skf.com">http://www.skf.com</a>  |
| 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  |
| internal clearance:      | C0   |



## TIMKEN BEARING-SINGAPORE (PTE)LTD.

|                                |           |
|--------------------------------|-----------|
| 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 $k_r$       | 0.025     |
| Calculation factor $f_0$       | 7.5       |
| Mass bearing                   | 0.0015 kg |