



## China 6204 2rs Bearing Supplier



### SKF 51100 Single Row Thrust Ball Bearings

Bearing No. 51100

|                               |                     |
|-------------------------------|---------------------|
| Size                          | 10x24x9 mm          |
| Bore Diameter                 | 10 mm               |
| Outer Diameter                | 24 mm               |
| Width                         | 9 mm                |
| d                             | 10 mm               |
| D                             | 24 mm               |
| H                             | 9 mm                |
| d1                            | 24 mm               |
| r1 min.                       | 0,3 mm              |
| r2 min.                       | 0,3 mm              |
| D1                            | 11 mm               |
| da min.                       | 19 mm               |
| Da max.                       | 15 mm               |
| ra max.                       | 0,3 mm              |
| Weight                        | 0,02 Kg             |
| Basic dynamic load rating (C) | 9,95 kN             |
| Basic static load rating (C0) | 15,3 kN             |
| Fatigue load limit (Pu)       | 0,56                |
| Reference speed               | 9500 r/min          |
| Limiting speed                | 13000 r/min         |
| Category                      | Thrust Ball Bearing |
| Inventory                     | 0.0                 |
| Manufacturer Name             | SKF                 |
| Minimum Buy Quantity          | N/A                 |
| Weight / Kilogram             | 0.024               |
| Product Group                 | B00308              |

51100 Bearing 2D drawings and 3D CAD models



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|                                     |  |
|-------------------------------------|--|
| Rolling Element                     | Ball Bearing   |
| Thrust Bearing                      | Yes  |
| Single or Double Direction          | Single Direction   |
| Banded                              | No   |
| Cage Material                       | Steel  |
| Precision Class                     | ABEC 1   ISO P0  |
| Component Description               | Roller Assembly Plus Raceways  |
| Other Features                      | Single Row   |
| Long Description                    | 10MM Bore 1; 11MM Bore 2; 24MM Outside Diameter; 9MM Height; Ball Bearing; Single Direction; Not Banded; Steel Cage; ABEC 1   ISO P0 Precision |
| Inch - Metric                       | Metric   |
| Category                            | Thrust Ball Bearings   |
| UNSPSC                              | 31171507   |
| Harmonized Tariff Code              | 8482.10.50.08  |
| Noun                                | Bearing  |
| Keyword String                      | Ball Thrust  |
| Manufacturer URL                    | <a href="http://www.skf.com">http://www.skf.com</a>  |
| Manufacturer Item Number            | 51100  |
| Weight / LBS                        | 0.052  |
| Outside Diameter                    | 0.945 Inch   24 Millimeter   |
| Bore 1                              | 0.394 Inch   10 Millimeter   |
| Bore 2                              | 0.433 Inch   11 Millimeter   |
| Overall Height with Aligning Washer | 0 Inch   0 Millimeter  |
| Height                              | 0.354 Inch   9 Millimeter  |
| bore diameter:                      | 10 mm  |
| static load capacity:               | 15.3 kN  |
| outside diameter:                   | 24 mm  |
| dynamic load capacity:              | 9.95 kN  |
|                                     |  |



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|   |                           |
|---|---------------------------|
| overall width:  | 9 mm                      |
| maximum rpm:  | 13000 RPM                 |
| thrust bearing type:                                  | Single-Direction          |
| cage material:  | Steel                     |
| outside diameter design:                              | Straight                  |
| fillet radius:  | 0.3 mm                    |
| separable or banded:                                  | Separable                 |
| series:   | 511                       |
| precision rating:                                     | ABEC 1 (ISO Class Normal) |
| $d_1$   | 24 mm                     |
| $D_1$   | 11 mm                     |
| $r_{1,2}$ min.  | 0.3 mm                    |
| $d_a$ min.  | 19 mm                     |
| $D_a$ max.  | 15 mm                     |
| $r_a$ max.  | 0.3 mm                    |
| Basic dynamic load rating C                           | 8.71 kN                   |
| Basic static load rating $C_0$                        | 12.2 kN                   |
| Fatigue load limit $P_u$                              | 0.45 kN                   |
| Minimum load factor A                                 | 0.0012                    |
| Mass bearing (including seat washer where applicable) | 0.02 kg                   |