



# Shandong Tinghan Bearing Co., Ltd.



Factory Price Direct Supply SKF 51102 8102  
51104 8104 51106 8106 Thrust Ball Bearing in  
Stock

Bearing No. 51102

51102 Bearing 2D drawings and 3D CAD models

|                               |                     |
|-------------------------------|---------------------|
| Size                          | 15x28x9 mm          |
| Bore Diameter                 | 15 mm               |
| Outer Diameter                | 28 mm               |
| Width                         | 9 mm                |
| d                             | 15 mm               |
| D                             | 28 mm               |
| H                             | 9 mm                |
| d1                            | 28 mm               |
| r1 min.                       | 0,3 mm              |
| r2 min.                       | 0,3 mm              |
| D1                            | 16 mm               |
| da min.                       | 23 mm               |
| Da max.                       | 20 mm               |
| ra max.                       | 0,3 mm              |
| Weight                        | 0,023 Kg            |
| Basic dynamic load rating (C) | 10,6 kN             |
| Basic static load rating (C0) | 18,3 kN             |
| Fatigue load limit (Pu)       | 0,67                |
| Reference speed               | 8500 r/min          |
| Limiting speed                | 12000 r/min         |
| Category                      | Thrust Ball Bearing |
| Inventory                     | 0.0                 |
| Manufacturer Name             | SKF                 |
| Minimum Buy Quantity          | N/A                 |



## Shandong Tinghan Bearing Co., Ltd.

|                                     |  |
|-------------------------------------|--|
| Weight / Kilogram                   | 0.028  |
| EAN                                 | 7316577058409  |
| Product Group                       | B00308   |
| 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                    | 15MM Bore 1; 16MM Bore 2; 28MM 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            | 51102  |
| Weight / LBS                        | 0.062  |
| Bore 2                              | 0.63 Inch   16 Millimeter  |
| Overall Height with Aligning Washer | 0 Inch   0 Millimeter  |
| Outside Diameter                    | 1.102 Inch   28 Millimeter   |
| Bore 1                              | 0.591 Inch   15 Millimeter   |
| Height                              | 0.354 Inch   9 Millimeter  |
| bore diameter:                      | 15 mm  |
|                                     |  |



## Shandong Tinghan Bearing Co., Ltd.

|   |                           |
|---|---------------------------|
| static load capacity:                                 | 18.3 kN                   |
| outside diameter:                                     | 28 mm                     |
| dynamic load capacity:                                | 10.6 kN                   |
| overall width:  | 9 mm                      |
| maximum rpm:  | 12000 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) |
| $d_1$   | 28 mm                     |
| $D_1$   | 16 mm                     |
| $r_{1,2}$ min.  | 0.3 mm                    |
| $d_a$ min.  | 23 mm                     |
| $D_a$ max.  | 20 mm                     |
| $r_a$ max.  | 0.3 mm                    |
| Basic dynamic load rating C                           | 10.6 kN                   |
| Basic static load rating $C_0$                        | 18.3 kN                   |
| Fatigue load limit $P_u$                              | 0.67 kN                   |
| Minimum load factor A                                 | 0.0017                    |
| Mass bearing (including seat washer where applicable) | 0.023 kg                  |