



# Nice Ball Bearings CO,LTD



7304WN Bearing 2D drawings and 3D CAD models

## 20 mm x 52 mm x 15 mm Timken 7304WN Angular Contact Bearings

Bearing No. 7304WN

|                                 |   |
|---------------------------------|---|
| Category                        | Angular Contact Ball Bearings   |
| Inventory                       | 0.0   |
| Manufacturer Name               | TIMKEN  |
| Minimum Buy Quantity            | N/A   |
| Weight                          | 0.15  |
| Product Group                   | B00308  |
| Enclosure                       | Open  |
| Flush Ground                    | No  |
| Rolling Element                 | Ball Bearing  |
| Number of Rows of Balls         | Single Row  |
| Precision Class                 | ABEC 1   ISO P0   |
| Maximum Capacity / Filling Slot | Yes   |
| Snap Ring                       | No  |
| Cage Material                   | Brass   |
| Contact Angle                   | 40 Degree   |
| Internal Clearance              | C0-Medium   |
| Number of Bearings              | 1 (Single)  |
| Inch - Metric                   | Metric  |
| Long Description                | 20MM Bore; 52MM Outside Diameter; 15MM Width; Open; No Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1   ISO P0; Yes Filling Slot; No Snap Ring; C0-Medium; Brass Cage; 40 Degree; 1 (Single) |



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|   |   |
|---|---|
| Category                                    | Angular Contact Ball Bearing                              |
| UNSPSC                                      | 31171531  |
| Harmonized Tariff Code                      | 8482.10.50.28   |
| Noun  | Bearing   |
| Keyword String                              | Angular Contact   |
| Manufacturer URL                            | <a href="http://www.timken.com">http://www.timken.com</a> |
| Weight / LBS                                | 0.33  |
| B   | 0.591 Inch   15 Millimeter                                |
| D   | 2.047 Inch   52 Millimeter                                |
| d   | 0.787 Inch   20 Millimeter                                |
| d - Bore                                    | 20 mm   |
| D - Outer Diameter                          | 52 mm   |
| Bearing Width                               | 15 mm   |
| do - Ball Diameter                          | 9.525 mm  |
| C0 - Static Radial Rating                   | 9590 N  |
| Ce - Dynamic Radial Rating <sup>1</sup>     | 19500 N   |
| Limiting Speed (Grease)                     | 9760 rpm  |
| Limiting Speed (Oil)                        | 11150 rpm   |
| Ball Type                                   | STEEL   |
| Cage Type                                   | Ball Piloted, Pressed Brass Cage                          |
| Bearing Weight                              | 0.150 Kg  |
| Design Units                                | METRIC  |
| R - Inner Ring To Clear Radius <sup>2</sup> | 1.1 mm  |
| r - Outer Ring To Clear Radius <sup>3</sup> | 1.1 mm  |
| da - Inner Ring Backing Diameter            | 23.900 mm   |
| Da - Outer Ring Backing Diameter            | 45.0 mm   |