



# PRD BEARINGS LLC



MM204K Bearing 2D drawings and 3D CAD models

0.787 Inch | 20 Millimeter x 1.85 Inch | 47  
Millimeter x 0.551 Inch | 14 Millimeter TIMKEN  
MM204K Precision Ball Bearings

Bearing No. MM204K

|                      |                                                                                                                                                            |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Category             | Precision Ball Bearings                                                                                                                                    |
| Inventory            | 0.0                                                                                                                                                        |
| Manufacturer Name    | TIMKEN                                                                                                                                                     |
| Minimum Buy Quantity | N/A                                                                                                                                                        |
| Weight               | 0.1                                                                                                                                                        |
| EAN                  | 0087796051928                                                                                                                                              |
| Product Group        | B04270                                                                                                                                                     |
| Enclosure            | Open                                                                                                                                                       |
| Precision Class      | ABEC 7   ISO P4                                                                                                                                            |
| Material - Ball      | Steel                                                                                                                                                      |
| Number of Bearings   | 1 (Single)                                                                                                                                                 |
| Contact Angle        | 0 Degree                                                                                                                                                   |
| Preload              | None                                                                                                                                                       |
| Raceway Style        | Not Applicable                                                                                                                                             |
| Cage Material        | Phenolic                                                                                                                                                   |
| Rolling Element      | Ball Bearing                                                                                                                                               |
| Flush Ground         | No                                                                                                                                                         |
| Inch - Metric        | Metric                                                                                                                                                     |
| Other Features       | Single Row   Deep Groove  <br>Super Precision   Conrad  <br>Non Filling Slot                                                                               |
| Long Description     | 20MM Bore; 47MM<br>Outside Diameter; 14MM<br>Width; Open Enclosure;<br>ABEC 7   ISO P4 Precision;<br>Steel Ball Material; 1<br>(Single) Bearings; 0 Degree |



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|                                             |                                                           |
|---------------------------------------------|-----------------------------------------------------------|
|                                             | Contact Angle; Phenolic Cage Material; Ball Bearing       |
| Category                                    | Precision Ball Bearings                                   |
| UNSPSC                                      | 31171504                                                  |
| Harmonized Tariff Code                      | 8482.10.50.68                                             |
| Noun                                        | Bearing                                                   |
| Keyword String                              | Deep Groove Ball                                          |
| Manufacturer URL                            | <a href="http://www.timken.com">http://www.timken.com</a> |
| Manufacturer Item Number                    | MM204K                                                    |
| Weight / LBS                                | 0.221                                                     |
| d                                           | 0.787 Inch   20 Millimeter                                |
| B                                           | 0.551 Inch   14 Millimeter                                |
| D                                           | 1.85 Inch   47 Millimeter                                 |
| Design Units                                | METRIC                                                    |
| Ball Type                                   | STEEL                                                     |
| Cage Type                                   | CR - Phenolic Inner Land Riding Cage                      |
| Bearing Weight                              | 0.10 Kg                                                   |
| d - Bore                                    | 20 mm                                                     |
| D - Outer Diameter                          | 47 mm                                                     |
| Bearing Width                               | 14 mm                                                     |
| do - Ball Diameter                          | 7.937500 mm                                               |
| Ce - Dynamic Radial Rating <sup>1</sup>     | 14200 N                                                   |
| C0 - Static Radial Rating                   | 6500 N                                                    |
| Limiting Speed (Grease)                     | 32800 rpm                                                 |
| Limiting Speed (Oil)                        | 65600 rpm                                                 |
| R - Inner Ring To Clear Radius <sup>2</sup> | 1.0 mm                                                    |
| r - Outer Ring To Clear Radius <sup>3</sup> | 1.0 mm                                                    |
| da - Inner Ring Backing Diameter            | 25.800 mm                                                 |
| Da - Outer Ring Backing                     | 41.500 mm                                                 |



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|          |  |
|----------|--|
| Diameter |  |
|----------|--|