



# Timken BEARINGS INDUSTRY



20 mm x 47 mm x 14 mm KOYO 1204 self aligning ball bearings

Bearing No. 1204

1204 Bearing 2D drawings and 3D CAD models

|                               |                             |
|-------------------------------|-----------------------------|
| Size                          | 20x47x14 mm                 |
| Bore Diameter                 | 20 mm                       |
| Outer Diameter                | 47 mm                       |
| Width                         | 14 mm                       |
| d                             | 20 mm                       |
| D                             | 47 mm                       |
| B                             | 14 mm                       |
| C                             | 14 mm                       |
| r min.                        | 1 mm                        |
| da min.                       | 25 mm                       |
| Da max.                       | 42 mm                       |
| ra max.                       | 1 mm                        |
| Weight                        | 0.120 Kg                    |
| Basic dynamic load rating (C) | 9.90 kN                     |
| Basic static load rating (C0) | 2.60 kN                     |
| (Grease) Lubrication Speed    | 14000 r/min                 |
| (Oil) Lubrication Speed       | 17000 r/min                 |
| Calculation factor (e)        | 0.29                        |
| Calculation factor (Y0)       | 2.27                        |
| Calculation factor (Y1)       | 2.16                        |
| Category                      | Self Aligning Ball Bearings |
| Inventory                     | 0.0                         |
| Manufacturer Name             | KOYO                        |
| Minimum Buy Quantity          | N/A                         |
| Weight / Kilogram             | 0.13                        |



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|                          |  |
|--------------------------|--|
| EAN                      | 0605790000867  |
| Product Group            | B00152   |
| Mounting Method          | Shaft  |
| Enclosure                | Open   |
| Rolling Element          | Ball Bearing   |
| Cage Material            | Steel  |
| Precision Class          | ABEC 1   ISO P0  |
| Internal Clearance       | C0-Medium  |
| Number of Rows of Balls  | Double Row   |
| Other Features           | Allowable Misalignment 2.5 Deg   |
| Long Description         | 20MM Bore; Shaft Mount; 47MM Outside Diameter; 14MM Inner Race Width; 14MM Outer Race Width; Open; Steel Cage; Double Row of Balls; ABEC 1   ISO P0; C0-Medium |
| Inch - Metric            | Metric   |
| Category                 | Self Aligning Ball Bearings  |
| UNSPSC                   | 31171532   |
| Harmonized Tariff Code   | 8482.10.50.68  |
| Noun                     | Bearing  |
| Keyword String           | Self Aligning  |
| Manufacturer URL         | <a href="http://www.koyousa.com">http://www.koyousa.com</a>  |
| Manufacturer Item Number | 1204   |
| Weight / LBS             | 0.26455  |
| Bore                     | 0.787 Inch   20 Millimeter   |
| Inner Race Width         | 0.551 Inch   14 Millimeter   |
| Outside Diameter         | 1.85 Inch   47 Millimeter  |
| Outer Race Width         | 0.551 Inch   14 Millimeter   |
| Bearing No.              | 1204   |
| r(min)                   | 1  |
| Cr                       | 9.90   |
|                          |  |



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|                  |       |
|------------------|-------|
| C0r              | 2.65  |
| Cu               | 0.16  |
| Grease lub.      | 14000 |
| Oil lub.         | 17000 |
| da(min)          | 25    |
| Da(max)          | 42    |
| ra(max)          | 1     |
| e                | 0.29  |
| Y1               | 2.16  |
| Y2               | 3.35  |
| Y0               | 2.27  |
| (Refer.)Mass(kg) | 0.120 |