



# BEARING BOWER CORP.



20 mm x 42 mm x 12 mm 523695 Bearings  
380x620x388mm

Bearing No. 6004

6004 Bearing 2D drawings and 3D CAD models

|                               |                          |
|-------------------------------|--------------------------|
| Size                          | 20x42x12 mm              |
| Bore Diameter                 | 20 mm                    |
| Outer Diameter                | 42 mm                    |
| Width                         | 12 mm                    |
| d                             | 20 mm                    |
| D                             | 42 mm                    |
| B                             | 12 mm                    |
| C                             | 12 mm                    |
| r min.                        | 0,6 mm                   |
| da min.                       | 24 mm                    |
| Da max.                       | 38 mm                    |
| ra max.                       | 0,6 mm                   |
| Weight                        | 0,069 Kg                 |
| Basic dynamic load rating (C) | 9,4 kN                   |
| Basic static load rating (C0) | 5,05 kN                  |
| (Grease) Lubrication Speed    | 17000 r/min              |
| (Oil) Lubrication Speed       | 21000 r/min              |
| Category                      | Single Row Ball Bearings |
| Inventory                     | 0.0                      |
| Manufacturer Name             | KOYO                     |
| Minimum Buy Quantity          | N/A                      |
| Weight / Kilogram             | 0.073                    |
| Product Group                 | B00308                   |
| Enclosure                     | Open                     |
| Precision Class               | ABEC 1   ISO P0          |



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|                                 |  |
|---------------------------------|--|
| Maximum Capacity / Filling Slot | No   |
| Rolling Element                 | Ball Bearing   |
| Snap Ring                       | No   |
| Internal Special Features       | No   |
| Cage Material                   | Steel  |
| Internal Clearance              | C0-Medium  |
| Inch - Metric                   | Metric   |
| Long Description                | 20MM Bore; 42MM Outside Diameter; 12MM Outer Race Diameter; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features |
| Category                        | Single Row Ball Bearing  |
| UNSPSC                          | 31171504   |
| Harmonized Tariff Code          | 8482.10.50.68  |
| Noun                            | Bearing  |
| Keyword String                  | Ball   |
| Manufacturer URL                | <a href="http://www.koyousa.com">http://www.koyousa.com</a>  |
| Manufacturer Item Number        | 6004   |
| Weight / LBS                    | 0.161  |
| Outside Diameter                | 1.654 Inch   42 Millimeter   |
| Bore                            | 0.787 Inch   20 Millimeter   |
| Outer Race Width                | 0.472 Inch   12 Millimeter   |
| Bearing No.                     | 6004   |
| r(min)                          | 0.6  |
| Cr                              | 11.7   |
| C0r                             | 5.05   |
| Cu                              | 0.350  |
| f0                              | 13.9   |
| Grease lub.                     | 17000  |
| Oil lub.                        | 21000  |
|                                 |  |



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|                  |       |
|------------------|-------|
| da(min)          | 24    |
| Da(max)          | 38    |
| ra(max)          | 0.6   |
| (Refer.)Mass(kg) | 0.069 |