

# 1309 NACHI Weight / Kilogram

## 0 45x100x25mm Self aligning ball bearings

|                               |            |
|-------------------------------|------------|
| Bearing number                | 1309       |
| Size (mm)                     | 45x100x25  |
| Brand                         | NACHI      |
| Bore Diameter (mm)            | 45         |
| Outer Diameter (mm)           | 100        |
| Width (mm)                    | 25         |
| d                             | 45 mm      |
| D                             | 100 mm     |
| B                             | 25 mm      |
| C                             | 25 mm      |
| r1 min.                       | 1.5 mm     |
| da min.                       | 53 mm      |
| Da max.                       | 92 mm      |
| ra max.                       | 1.5 mm     |
| Weight                        | 0.957 Kg   |
| Basic dynamic load rating (C) | 38.1 kN    |
| Basic static load rating (C0) | 12.7 kN    |
| (Grease) Lubrication Speed    | 6200 r/min |
| (Oil) Lubrication Speed       | 7600 r/min |
| Calculation factor (e)        | 0.25       |
| Calculation factor (Y0)       | 2.68       |
| Calculation factor (Y1)       | 2.56       |

|                         |   |
|-------------------------|---|
| Category                | Self Aligning Ball Bearings   |
| BDI Inventory           | 0.0   |
| Manufacturer Name       | NACHI   |
| Minimum Buy Quantity    | N/A   |
| Weight / Kilogram       | 0   |
| Product Group – BDI     | 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 3 Deg  |
| Long Description        | 45MM Bore; Shaft Mount; 100MM Outside Diameter; 25MM Inner Race Width; 25MM Outer Race Width; Open; Steel Cage; Double Row of Balls; ABEC 1   ISO P0; C0-Medium |
| Inch – Metric           | Metric  |
| Category – BDI          | 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.nachi.com">http://www.nachi.com</a>   |
| Weight / LBS            | 2.10982   |
| Bore                    | 1.772 Inch   45 Millimeter  |
| Inner Race Width        | 0.984 Inch   25 Millimeter  |
| Outside Diameter        | 3.937 Inch   100 Millimeter   |

|                  |                            |
|------------------|----------------------------|
| Outer Race Width | 0.984 Inch   25 Millimeter |
|------------------|----------------------------|