



# SNR Bearing Argentina



1204 EKTN9 Bearing 2D drawings and 3D CAD models

## 20 mm x 47 mm x 14 mm SKF 1204 EKTN9 Self Aligning Ball Bearings

Bearing No. 1204 EKTN9

|                         |  |
|-------------------------|--|
| Category                | Self Aligning Ball Bearings  |
| Inventory               | 0.0  |
| Manufacturer Name       | SKF  |
| Minimum Buy Quantity    | N/A  |
| Weight                  | 0.12   |
| EAN                     | 7316576620492  |
| Product Group           | B00152   |
| Mounting Method         | Tapered Adapter  |
| Enclosure               | Open   |
| Rolling Element         | Ball Bearing   |
| Adapter Sleeve          | H-204  |
| Cage Material           | Polyamide  |
| Precision Class         | ABEC 1   ISO P0  |
| Internal Clearance      | C0-Medium  |
| Number of Rows of Balls | Double Row   |
| Other Features          | Allowable Misalignment 2.5 Deg   High Capacity Design   1:12 Taper   |
| Long Description        | 20MM Bore; Tapered Adapter Mount; 47MM Outside Diameter; 14MM Inner Race Width; 14MM Outer Race Width; Open; Polyamide Cage; Double Row of Balls; ABEC 1   ISO P0; C0-Medium |
| Inch - Metric           | Metric   |
| Category                | Self Aligning Ball Bearings  |
|                         |  |



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|                          |   |
|--------------------------|---|
| UNSPSC                   | 31171532  |
| Harmonized Tariff Code   | 8482.10.50.68                                       |
| Noun                     | Bearing   |
| Keyword String           | Self Aligning                                       |
| Manufacturer URL         | <a href="http://www.skf.com">http://www.skf.com</a> |
| Manufacturer Item Number | 1204 EKTN9  |
| Weight / LBS             | 0.265   |
| Outer Race Width         | 0.551 Inch   14 Millimeter                          |
| Inner Race Width         | 0.551 Inch   14 Millimeter                          |
| D                        | 1.85 Inch   47 Millimeter                           |
| d                        | 0.787 Inch   20 Millimeter                          |
| bore diameter:           | 20 mm   |
| precision rating:        | Not Rated   |
| outside diameter:        | 47 mm   |
| maximum rpm:             | 20000 RPM   |
| overall width:           | 14 mm   |
| cage material:           | Fiberglass Reinforced Nylon                         |
| bore type:               | Tapered 1:12  |
| finish/coating:          | Uncoated  |
| closure type:            | Open  |
| maximum misalignment:    | 2.5 °   |
| internal clearance:      | C3  |
| outer ring width:        | 14 mm   |
| dynamic load capacity:   | 12.7 kN   |
| fillet radius:           | 1 mm  |
| static load capacity:    | 3.4 kN  |
| series:                  | 1200  |
| d                        | 20 mm   |
| D                        | 47 mm   |
| B                        | 14 mm   |
| d <sub>1</sub>           | 28.88 mm  |
| D <sub>1</sub>           | 40 mm   |
|                          |   |



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|                                  |             |
|----------------------------------|-------------|
| $r_{1,2}$ min.                   | 1 mm        |
| $D_a$ max.                       | 41.4 mm     |
| $r_a$ max.                       | 1 mm        |
| Basic dynamic load rating C      | 12.7 kN     |
| Basic static load rating $C_0$   | 3.4 kN      |
| Fatigue load limit $P_u$         | 0.18 kN     |
| Reference speed                  | 32000 r/min |
| Limiting speed                   | 20000 r/min |
| Permissible angular misalignment | 2.5 °       |
| Calculation factor $k_r$         | 0.04        |
| Calculation factor e             | 0.3         |
| Calculation factor $Y_0$         | 2.2         |
| Calculation factor $Y_1$         | 2.1         |
| Calculation factor $Y_2$         | 3.3         |
| Mass bearing                     | 0.12 kg     |