

# ISB 23124 EKW33+H3124 spherical roller bearings

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|                               |             |
|-------------------------------|-------------|
| Size (mm)                     | 47x25x12    |
| Bore Diameter (mm)            | 47          |
| Outer Diameter (mm)           | 25          |
| Width (mm)                    | 12          |
| d                             | 25 mm       |
| D                             | 47 mm       |
| B                             | 12 mm       |
| d2                            | 29.7 mm     |
| D2                            | 42.2 mm     |
| r1,2 – min.                   | 0.6 mm      |
| da – min.                     | 28.2 mm     |
| da – max.                     | 29.5 mm     |
| Da – max.                     | 43.8 mm     |
| ra – max.                     | 0.6 mm      |
| Basic dynamic load rating – C | 11.9 kN     |
| Basic static load rating – C0 | 6.6 kN      |
| Fatigue load limit – Pu       | 0.275 kN    |
| Reference speed               | 40000 r/min |
| Limiting speed                | 22000 r/min |
| Calculation factor – kr       | 0.025       |

|                                 |   |
|---------------------------------|---|
| Calculation factor – f0         | 14.3  |
| Inventory                       | 0.0   |
| Manufacturer Name               | SKF   |
| Minimum Buy Quantity            | N/A   |
| Weight / Kilogram               | 0.066   |
| EAN                             | 7316572070772   |
| Product Group                   | B00308  |
| Enclosure                       | 2 Seals   |
| Precision Class                 | ABEC 1   ISO P0   |
| Maximum Capacity / Filling Slot | No  |
| Rolling Element                 | Ball Bearing  |
| Snap Ring                       | No  |
| Internal Special Features       | Silicon Nitride Rolling Element   Electrical Insulated  |
| Cage Material                   | Polyamide   |
| Enclosure Type                  | Contact Seal  |
| Internal Clearance              | C3-Loose  |
| Inch – Metric                   | Metric  |
| Long Description                | 25MM Bore; 47MM Outside Diameter; 12MM Outer Race Width; 2 Seals; Ball Bearing; ABEC 1   ISO P0; No |
| Other Features                  | Deep Groove   Low Friction   NBR Seal   Hybrid Silicon Nitride Rolling Element   WT Standard Grease |
| UNSPSC                          | 31171504  |
| Harmonized Tariff Code          | 8482.10.50.68   |
| Noun                            | Bearing   |
| Keyword String                  | Ball  |

|                             |                            |
|-----------------------------|----------------------------|
| Manufacturer Item Number    | 6005-2RSLTN9/HC5C3WT       |
| Weight / LBS                | 0.073                      |
| Inner Race Width            | 0 Inch   0 Millimeter      |
| Bore                        | 0.984 Inch   25 Millimeter |
| Outside Diameter            | 1.85 Inch   47 Millimeter  |
| Outer Race Width            | 0.472 Inch   12 Millimeter |
| d2 ≈                        | 29.7 mm                    |
| D2 ≈                        | 42.2 mm                    |
| r1,2 min.                   | 0.6 mm                     |
| da min.                     | 28.2 mm                    |
| da max.                     | 29.5 mm                    |
| Da max.                     | 43.8 mm                    |
| ra max.                     | 0.3 mm                     |
| Basic dynamic load rating C | 11.9 kN                    |
| Basic static load rating C0 | 6.55 kN                    |
| Fatigue load limit Pu       | 0.275 kN                   |
| Calculation factor kr       | 0.025                      |
| Calculation factor f0       | 14.3                       |
| Mass bearing                | 0.073 kg                   |