

ZEN SMF85 deep groove ball bearings

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| | |
|-------------------------------|-----------|
| Size (mm) | 150x60x35 |
| Bore Diameter (mm) | 150 |
| Outer Diameter (mm) | 60 |
| Width (mm) | 35 |
| d | 60 mm |
| D | 150 mm |
| B | 35 mm |
| D1 | 118.5 mm |
| F | 83 mm |
| r1,2 – min. | 2.1 mm |
| r3,4 – min. | 2.1 mm |
| s | 2.5 mm |
| da – min. | 74 mm |
| da – max. | 80 mm |
| db – min. | 85 mm |
| Da – max. | 136 mm |
| ra – max. | 2 mm |
| rb – max. | 2 mm |
| Basic dynamic load rating – C | 168 kN |
| Basic static load rating – C0 | 173 kN |
| Fatigue load limit – Pu | 22 kN |

| | |
|---------------------------|--|
| Reference speed | 5000 r/min |
| Limiting speed | 6000 r/min |
| Calculation factor – kr | 0.15 |
| Inventory | 0.0 |
| Manufacturer Name | SKF |
| Minimum Buy Quantity | N/A |
| Weight / Kilogram | 3.068 |
| EAN | 7316577065223 |
| Product Group | B04144 |
| Bore Profile | Straight |
| Cage Material | Steel |
| Precision Class | RBEC 1 ISO P0 |
| Number of Rows of Rollers | Single Row |
| Separable | Inner Ring – Both Sides |
| Rolling Element | Cylindrical Roller Bearing |
| Profile | Complete with Outer and Inner Ring |
| Snap Ring | No |
| Internal Clearance | C0-Medium |
| Retainer | Yes |
| Relubricatable | Yes |
| Inch – Metric | Metric |
| Other Features | Plain Inner Ring 2 Rib Outer Ring Cage on Outer Ring ID |
| Long Description | 60MM Bore; Straight Bore Profile; 150MM Outside Diameter; 35MM Width; Steel Cage Matetrial; RBEC 1 |
| UNSPSC | 31171547 |
| Harmonized Tariff Code | 8482.50.00.00 |

| Noun | Bearing |
|------------------------------|-----------------------------|
| Manufacturer Item Number | NU 412 |
| Weight / LBS | 6.757 |
| Width | 1.378 Inch 35 Millimeter |
| Outside Diameter | 5.906 Inch 150 Millimeter |
| Bore | 2.362 Inch 60 Millimeter |
| bore diameter: | 60 mm |
| static load capacity: | 173 kN |
| outside diameter: | 150 mm |
| precision rating: | Not Rated |
| overall width: | 35 mm |
| maximum rpm: | 6000 RPM |
| flanges: | (2) Outer Ring |
| cage material: | Steel |
| bore type: | Straight |
| finish/coating: | Uncoated |
| number of rows: | 1 |
| closure type: | Open |
| internal clearance: | C0 |
| outer ring width: | 35 mm |
| ring separation: | Separable Ring |
| fillet radius: | 2 mm |
| operating temperature range: | Maximum of +300 °F |
| series: | NU4 |
| dynamic load capacity: | 168 kN |
| D1 ≈ | 118.5 mm |
| r1,2 min. | 2.1 mm |
| r3,4 min. | 2.1 mm |
| s max. | 2.5 mm |

| | |
|---|---------|
| da min. | 74 mm |
| da max. | 80 mm |
| db min. | 85 mm |
| Da max. | 136 mm |
| ra max. | 2 mm |
| rb max. | 2 mm |
| Basic dynamic load rating C | 168 kN |
| Basic static load rating C ₀ | 173 kN |
| Fatigue load limit P _u | 22 kN |
| Calculation factor k _r | 0.15 |
| Limiting value e | 0.2 |
| Axial load factor Y | 0.6 |
| Mass bearing | 3.02 kg |