

13944 SKF 220x300x60mm

Calculation factor Y0 3.6

Self aligning ball bearings

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| Bearing number | 13944 |
| Size (mm) | 220x300x60 |
| Brand | SKF |
| Bore Diameter (mm) | 220 |
| Outer Diameter (mm) | 300 |
| Width (mm) | 60 |
| d | 220 mm |
| D | 300 mm |
| B | 60 mm |
| C | 60 mm |
| b | 8.3 mm |
| d2 | 249 mm |
| r1 min. | 2.1 mm |
| r2 min. | 2.1 mm |
| D1 | 278 mm |
| K | 4.5 mm |
| da min. | 231 mm |
| Da max. | 289 mm |
| ra max. | 2 mm |
| Weight | 11 Kg |
| Basic dynamic load rating (C) | 60.5 kN |
| Basic static load rating (C0) | 30.5 kN |
| Fatigue load limit (Pu) | 0.97 |
| Reference speed | 3800 r/min |

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| Limiting speed | 2400 r/min |
| Calculation factor (e) | 0.18 |
| Calculation factor (kr) | 0.015 |
| Calculation factor (Y0) | 3.6 |
| Calculation factor (Y1) | 3.5 |
| Rolling Element | Ball Bearing |
| Cage Material | Steel |
| Category | Self Aligning Ball Bearings |
| BDI Inventory | 0.0 |
| Manufacturer Name | SKF |
| Minimum Buy Quantity | N/A |
| Weight / Kilogram | 11.94 |
| EAN | 7316571591339 |
| Product Group – BDI | B00152 |
| Mounting Method | Shaft |
| Enclosure | Open |
| 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 | 220MM Bore; Shaft Mount; 300MM Outside Diameter; 60MM Inner Race Width; 60MM 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 | http://www.skf.com |
| Manufacturer Item Number | 13944 |
| Weight / LBS | 26.296 |
| Bore | 8.661 Inch 220 Millimeter |
| Inner Race Width | 2.362 Inch 60 Millimeter |
| Outside Diameter | 11.811 Inch 300 Millimeter |
| Outer Race Width | 2.362 Inch 60 Millimeter |
| $d_1 \approx$ | 248.9 mm |
| $D_1 \approx$ | 277.8 mm |
| $r_{1,2} \text{ min.}$ | 2.1 mm |
| $d_a \text{ min.}$ | 231 mm |
| $D_a \text{ max.}$ | 289 mm |
| $r_a \text{ max.}$ | 2 mm |
| Basic dynamic load rating C | 60.5 kN |
| Basic static load rating C_0 | 30.5 kN |
| Fatigue load limit P_u | 0.97 kN |
| Permissible angular misalignment α | 3 ° |
| Calculation factor k_r | 0.015 |
| Calculation factor e | 0.18 |
| Calculation factor Y_0 | 3.6 |
| Calculation factor Y_1 | 3.5 |
| Calculation factor Y_2 | 5.4 |
| Mass bearing | 11 kg |