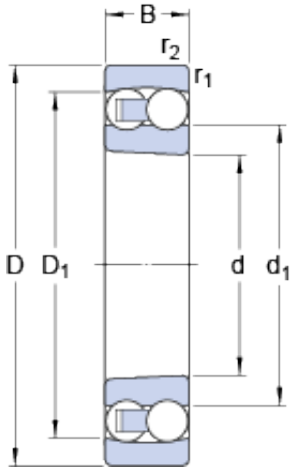
# Loyal | 2210 EKTN9




**Bearing No. 2210 EKTN9**

| | |
|---|---|
| D | 90 mm |
| d | 50 mm |
| B | 23 mm |
| Bore | 1.969 Inch \| 50 Millimeter |
| Noun | Bearing |
| UNSPSC | 31171532 |
| series: | 2200 |
| Category | Self Aligning Ball Bearings |
| Inventory | 0.0 |
| Size (mm) | 90x50x23 |
| Enclosure | Open |
| Width (mm) | 23 |
| bore type: | Tapered 1:12 |
| Mass bearing | 0.6 kg |
| Weight / LBS | 1.323 |
| maximum rpm: | 9500 RPM |
| closure type: | Open |
| $D_1$ | 80.2 mm |
| Inch - Metric | Metric |
| $d_1$ | 61.47 mm |
| Cage Material | Polyamide |
| Product Group | B00152 |
| bore diameter: | 50 mm |
| overall width: | 23 mm |
| Keyword String | Self Aligning |
| cage material: | Fiberglass Reinforced Nylon |
| fillet radius: | 1.1 mm |
| Other Features | Allowable Misalignment |

| | |
|---|---|
| | 2.5 Deg \| High Capacity Design \| 1:12 Taper |
| Adapter Sleeve | H-310 |
| Bearing number | 2210 EKTN9 |
| Limiting speed | 9500 r/min |
| Mounting Method | Tapered Adapter |
| Reference speed | 14000 r/min |
| Precision Class | ABEC 1 \| ISO P0 |
| finish/coating: | Uncoated |
| Rolling Element | Ball Bearing |
| Inner Race Width | 0.906 Inch \| 23 Millimeter |
| Outer Race Width | 0.906 Inch \| 23 Millimeter |
| Manufacturer URL | http://www.skf.com |
| Outside Diameter | 3.543 Inch \| 90 Millimeter |
| Long Description | 50MM Bore; Tapered Adapter Mount; 90MM Outside Diameter; 23MM Inner Race Width; 23MM Outer Race Width; Open; Polyamide Cage; Double Row of Balls; ABEC 1 \| ISO P0; C0-Medium |
| outer ring width: | 23 mm |
| Manufacturer Name | SKF |
| outside diameter: | 90 mm |
| Weight / Kilogram | 0.6 |
| precision rating: | Not Rated |
| $D_a$ max. | 83 mm |
| Bore Diameter (mm) | 90 |
| $r_a$ max. | 1.1 mm |
| Internal Clearance | C0-Medium |
| | |

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|---|---|
| Outer Diameter (mm) | 50 |
| internal clearance: | C0 |
| $r_{1,2}$ min. | 1.1 mm |
| Calculation factor e | 0.23 |
| $D_a$ - max. | 83 mm |
| $r_a$ - max. | 1.1 mm |
| Minimum Buy Quantity | N/A |
| $D_1$ ? | 80.2 mm |
| maximum misalignment: | 2.5 ° |
| static load capacity: | 11.2 kN |
| $d_1$ ? | 61.47 mm |
| Harmonized Tariff Code | 8482.10.50.68 |
| $r_{1,2}$ - min. | 1.1 mm |
| dynamic load capacity: | 33.8 kN |
| Calculation factor - e | 0.23 |
| Number of Rows of Balls | Double Row |
| Manufacturer Item Number | 2210 EKTN9 |
| Basic dynamic load rating C | 33.8 kN |
| Basic dynamic load rating - C | 33.8 kN |
| Fatigue load limit $P_u$ | 0.57 kN |
| Calculation factor $k_r$ | 0.045 |
| Calculation factor $Y_0$ | 2.8 |
| Calculation factor $Y_1$ | 2.7 |
| Calculation factor $Y_2$ | 4.2 |
| Calculation factor - $Y_2$ | 4.2 |
| Calculation factor - $Y_0$ | 2.8 |
| Calculation factor - $k_r$ | 0.045 |
| Fatigue load limit - $P_u$ | 0.57 kN |
| Calculation factor - $Y_1$ | 2.7 |
| | |

| | |
|---|---|
| Permissible angular misalignment ? | 2.5 ° |
| Basic static load rating $C_0$ | 11.2 kN |
| Basic static load rating - $C_0$ | 11.2 kN |