



BROWNING BEARING COMPANY



80 mm x 100 mm x 10 mm skf 61816 bearing

Bearing No. 61816

61816 Bearing 2D drawings and 3D CAD models

| | |
|---|--------------------------|
| Size | 100x80x10 mm |
| Bore Diameter | 100 mm |
| Outer Diameter | 80 mm |
| Width | 10 mm |
| d | 80 mm |
| D | 100 mm |
| B | 10 mm |
| d ₁ | 86.7 mm |
| D ₂ | 95.7 mm |
| r _{1,2} - min. | 1.3 mm |
| d _a - min. | 83.2 mm |
| D _a - max. | 96.8 mm |
| r _a - max. | 0.6 mm |
| Basic dynamic load rating - C | 12.7 kN |
| Basic static load rating - C ₀ | 11.2 kN |
| Fatigue load limit - P _u | 0.61 kN |
| Reference speed | 13000 r/min |
| Limiting speed | 8000 r/min |
| Calculation factor - k _r | 0.015 |
| Calculation factor - f ₀ | 13.3 |
| Category | Single Row Ball Bearings |
| Inventory | 0.0 |
| Manufacturer Name | SKF |
| Minimum Buy Quantity | N/A |
| Weight / Kilogram | 0.173 |



BROWNING BEARING COMPANY

| | |
|---------------------------------|---|
| EAN | 7316576641855 |
| Product Group | B00308 |
| Enclosure | Open |
| Precision Class | ABEC 1 ISO P0 |
| Maximum Capacity / Filling Slot | No |
| Rolling Element | Ball Bearing |
| Snap Ring | No |
| Internal Special Features | No |
| Cage Material | Steel |
| Internal Clearance | C0-Medium |
| Inch - Metric | Metric |
| Long Description | 80MM Bore; 100MM Outside Diameter; 10MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features |
| Category | Single Row Ball Bearing |
| UNSPSC | 31171504 |
| Harmonized Tariff Code | 8482.10.50.68 |
| Noun | Bearing |
| Keyword String | Ball |
| Manufacturer URL | http://www.skf.com |
| Manufacturer Item Number | 61816 |
| Weight / LBS | 0.38 |
| Outside Diameter | 3.937 Inch 100 Millimeter |
| Outer Race Width | 0.394 Inch 10 Millimeter |
| Bore | 3.15 Inch 80 Millimeter |
| bore diameter: | 80 mm |
| static load capacity: | 15 kN |
| outside diameter: | 100 mm |
| precision rating: | Not Rated |
| | |



BROWNING BEARING COMPANY

| | |
|--------------------------------|--------------------------|
| overall width: | 10 mm |
| finish/coating: | Uncoated |
| bore type: | Round |
| cage material: | Steel |
| closure type: | Open |
| outer ring width: | 10 mm |
| row type & fill slot: | Single Row Non-Fill Slot |
| fillet radius: | 0.6 mm |
| snap ring included: | Without Snap Ring |
| maximum rpm: | 8000 RPM |
| internal clearance: | C0 |
| series: | 61 |
| dynamic load capacity: | 13 kN |
| d_1 | 86.7 mm |
| D_2 | 95.7 mm |
| $r_{1,2}$ min. | 1.3 mm |
| d_a min. | 83.2 mm |
| D_a max. | 96.8 mm |
| r_a max. | 0.6 mm |
| Basic dynamic load rating C | 12.7 kN |
| Basic static load rating C_0 | 11.2 kN |
| Fatigue load limit P_u | 0.61 kN |
| Calculation factor k_r | 0.015 |
| Calculation factor f_0 | 13.3 |
| Mass bearing | 0.15 kg |