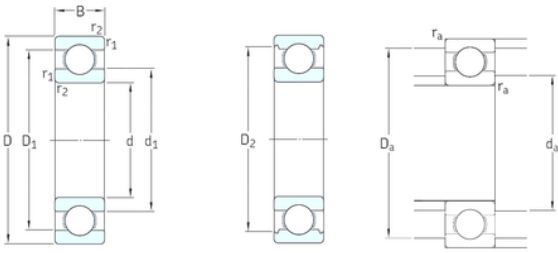




NTN BEARING CORP.OF CANADA LTD.



SKF/ NSK/ NTN/Timken Deep Groove Ball Bearing for Instrument, High Speed Precision Engine or Auto Parts Rolling Bearings 61801 61803 61805

Bearing No. 61801

61801 Bearing 2D drawings and 3D CAD models

| | |
|-------------------------------|-------------|
| Size | 12x21x5 mm |
| Bore Diameter | 12 mm |
| Outer Diameter | 21 mm |
| Width | 5 mm |
| d | 12 mm |
| D | 21 mm |
| B | 5 mm |
| C | 5 mm |
| d1 | 14,8 mm |
| r1 min. | 0,3 mm |
| r2 min. | 0,3 mm |
| D1 | 18,3 mm |
| D2 | – mm |
| da min. | 14 mm |
| Da max. | 19 mm |
| rc max. | 0,3 mm |
| Weight | 0,0063 Kg |
| Basic dynamic load rating (C) | 1,74 kN |
| Basic static load rating (C0) | 0,915 kN |
| Fatigue load limit (Pu) | 0,039 |
| Reference speed | 70000 r/min |
| Limiting speed | 43000 r/min |
| Calculation factor (f0) | 13 |
| | |



NTN BEARING CORP.OF CANADA LTD.

| | |
|---------------------------------|---|
| Category | Single Row Ball Bearings |
| Inventory | 0.0 |
| Manufacturer Name | SKF |
| Minimum Buy Quantity | N/A |
| Weight / Kilogram | 0.008 |
| EAN | 7316576639777 |
| 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 | 12MM Bore; 21MM Outside Diameter; 5MM 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 | 61801 J |
| Weight / LBS | 0.02 |
| Bore | 0.472 Inch 12 Millimeter |
| Outside Diameter | 0.827 Inch 21 Millimeter |
| | |



NTN BEARING CORP.OF CANADA LTD.

| | |
|--------------------------------|---------------------------|
| Outer Race Width | 0.197 Inch 5 Millimeter |
| bore diameter: | 12 mm |
| static load capacity: | 0.915 kN |
| outside diameter: | 21 mm |
| precision rating: | Not Rated |
| overall width: | 5 mm |
| finish/coating: | Uncoated |
| bore type: | Round |
| cage material: | Steel |
| closure type: | Open |
| outer ring width: | 5 mm |
| row type & fill slot: | Single Row Non-Fill Slot |
| fillet radius: | 0.3 mm |
| snap ring included: | Without Snap Ring |
| maximum rpm: | 43000 RPM |
| internal clearance: | C0 |
| series: | 61 |
| dynamic load capacity: | 1.74 kN |
| d_1 | 14.8 mm |
| D_1 | 18.3 mm |
| $r_{1,2}$ min. | 0.3 mm |
| d_a min. | 14 mm |
| D_a max. | 19 mm |
| r_a max. | 0.3 mm |
| Basic dynamic load rating C | 1.74 kN |
| Basic static load rating C_0 | 0.915 kN |
| Fatigue load limit P_u | 0.039 kN |
| Calculation factor k_r | 0.015 |
| Calculation factor f_0 | 13.4 |
| Mass bearing | 0.0063 kg |