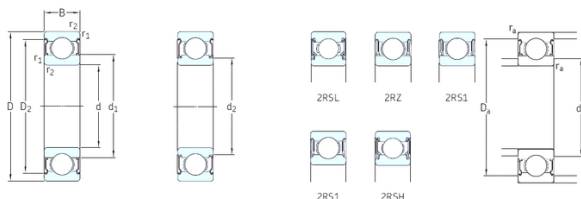




# BEARING CORP.OF AMERICA



8 mm x 22 mm x 11 mm skf 630/8-2RS1 Deep groove ball bearings

Bearing No. 630/8-2RS1

630/8-2RS1 Bearing 2D drawings and 3D CAD models

|                               |                          |
|-------------------------------|--------------------------|
| Size                          | 8x22x11 mm               |
| Bore Diameter                 | 8 mm                     |
| Outer Diameter                | 22 mm                    |
| Width                         | 11 mm                    |
| d                             | 8 mm                     |
| D                             | 22 mm                    |
| B                             | 11 mm                    |
| C                             | 11 mm                    |
| d1                            | 11,8 mm                  |
| d2                            | – mm                     |
| r1 min.                       | 10 mm                    |
| r2 min.                       | 10 mm                    |
| D1                            | 19 mm                    |
| D2                            | 0,3 mm                   |
| da min.                       | 11,7 mm                  |
| Da max.                       | 20 mm                    |
| ra max.                       | 0,3 mm                   |
| Weight                        | 0,016 Kg                 |
| Basic dynamic load rating (C) | 3,45 kN                  |
| Basic static load rating (C0) | 1,37 kN                  |
| Fatigue load limit (Pu)       | 0,057                    |
| Reference speed               | – r/min                  |
| Limiting speed                | 22000 r/min              |
| Calculation factor (f0)       | 12                       |
| Category                      | Single Row Ball Bearings |



## BEARING CORP.OF AMERICA

|                                 |  |
|---------------------------------|--|
| Inventory                       | 0.0  |
| Manufacturer Name               | SKF  |
| Minimum Buy Quantity            | N/A  |
| Weight / Kilogram               | 0.02   |
| EAN                             | 7316571182070  |
| Product Group                   | B00308   |
| Enclosure                       | 2 Seals  |
| 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  |
| Enclosure Type                  | Contact Seal   |
| Internal Clearance              | C0-Medium  |
| Inch - Metric                   | Metric   |
| Long Description                | 8MM Bore; 22MM Outside Diameter; 11MM Outer Race Diameter; 2 Seals; 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                | <a href="http://www.skf.com">http://www.skf.com</a>  |
| Manufacturer Item Number        | 630/8-2RS1   |
| Weight / LBS                    | 0.044  |
| Bore                            | 0.315 Inch   8 Millimeter  |
| Outside Diameter                | 0.866 Inch   22 Millimeter   |
|                                 |  |



## BEARING CORP.OF AMERICA

|                                |                            |
|--------------------------------|----------------------------|
| Outer Race Width               | 0.433 Inch   11 Millimeter |
| bore diameter:                 | 8 mm                       |
| static load capacity:          | 1.37 kN                    |
| outside diameter:              | 22 mm                      |
| precision rating:              | Not Rated                  |
| overall width:                 | 11 mm                      |
| finish/coating:                | Uncoated                   |
| bore type:                     | Round                      |
| cage material:                 | Steel                      |
| closure type:                  | Double Sealed              |
| outer ring width:              | 11 mm                      |
| row type & fill slot:          | Single Row Non-Fill Slot   |
| fillet radius:                 | 0.3 mm                     |
| internal clearance:            | C0                         |
| maximum rpm:                   | 22000 RPM                  |
| operating temperature range:   | -40 to +210 ° F            |
| series:                        | 63                         |
| dynamic load capacity:         | 3.45 kN                    |
| $d_1$                          | 11.8 mm                    |
| $D_2$                          | 19 mm                      |
| $r_{1,2}$ min.                 | 0.3 mm                     |
| $d_a$ min.                     | 10 mm                      |
| $d_a$ max.                     | 11.7 mm                    |
| $D_a$ max.                     | 20 mm                      |
| $r_a$ max.                     | 0.3 mm                     |
| Basic dynamic load rating C    | 3.45 kN                    |
| Basic static load rating $C_0$ | 1.37 kN                    |
| Fatigue load limit $P_u$       | 0.057 kN                   |
| Calculation factor $k_r$       | 0.025                      |
| Calculation factor $f_0$       | 12                         |
| Mass bearing                   | 0.016 kg                   |