



# GARLOCK BEARINGS LTD



## 65 mm x 140 mm x 33 mm SKF QJ 313 MA Angular Contact Ball Bearings

Bearing No. QJ 313 MA

QJ 313 MA Bearing 2D drawings and 3D CAD models

|                                 |   |
|---------------------------------|---|
| Category                        | Angular Contact Ball Bearings   |
| Inventory                       | 0.0   |
| Manufacturer Name               | SKF   |
| Minimum Buy Quantity            | N/A   |
| Weight                          | 2.65  |
| EAN                             | 7316576632570   |
| Product Group                   | B00308  |
| Enclosure                       | Open  |
| Flush Ground                    | No  |
| Rolling Element                 | Ball Bearing  |
| Number of Rows of Balls         | Single Row  |
| Precision Class                 | ABEC 3   ISO P6   |
| Maximum Capacity / Filling Slot | No  |
| Snap Ring                       | No  |
| Cage Material                   | Brass   |
| Contact Angle                   | 35 Degree   4 Point   |
| Internal Clearance              | C0-Medium   |
| Number of Bearings              | 1 (Single)  |
| Inch - Metric                   | Metric  |
| Long Description                | 65MM Bore; 140MM Outside Diameter; 33MM Width; Open; No Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3   ISO P6; No Filling Slot; No Snap Ring |



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|                               |   |
|-------------------------------|---|
| Other Features                | Split Inner Race                                    |
| Category                      | Angular Contact Ball Bearing                        |
| UNSPSC                        | 31171531  |
| Harmonized Tariff Code        | 8482.10.50.28                                       |
| Noun                          | Bearing   |
| Keyword String                | Angular Contact                                     |
| Manufacturer URL              | <a href="http://www.skf.com">http://www.skf.com</a> |
| Manufacturer Item Number      | QJ 313 MA   |
| Weight / LBS                  | 5.833   |
| D                             | 5.512 Inch   140 Millimeter                         |
| B                             | 1.299 Inch   33 Millimeter                          |
| d                             | 2.559 Inch   65 Millimeter                          |
| inside diameter:              | 65 mm   |
| precision rating:             | ABEC 1 (ISO Class Normal)                           |
| outside diameter:             | 140 mm  |
| cage material:                | Brass   |
| overall width:                | 33 mm   |
| maximum rpm:                  | 8500 RPM  |
| internal clearance:           | C0  |
| finish/coating:               | Uncoated  |
| closure type:                 | Open  |
| outer ring width:             | 33 mm   |
| radial dynamic load capacity: | 176 kN  |
| fillet radius:                | 2 mm  |
| radial static load capacity:  | 156 kN  |
| series:                       | QJ  |
| d                             | 65 mm   |
| D                             | 140 mm  |
| B                             | 33 mm   |
| d <sub>1</sub>                | 82.5 mm   |
|                               |   |



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|                                |            |
|--------------------------------|------------|
| $D_1$                          | 115 mm     |
| a                              | 72 mm      |
| $r_{1,2}$ min.                 | 2.1 mm     |
| $d_a$ min.                     | 77 mm      |
| $D_a$ max.                     | 128 mm     |
| $r_a$ max.                     | 2 mm       |
| Basic dynamic load rating C    | 176 kN     |
| Basic static load rating $C_0$ | 156 kN     |
| Fatigue load limit $P_u$       | 6.55 kN    |
| Limiting speed                 | 8500 r/min |
| Calculation factor A           | 0.0731     |
| Calculation factor e           | 0.95       |
| Calculation factor X           | 0.6        |
| Calculation factor $Y_0$       | 0.58       |
| Calculation factor $Y_1$       | 0.66       |
| Calculation factor $Y_2$       | 1.07       |
| Mass bearing                   | 2.7 kg     |