



# NTN BEARING DRIVESHAFT, INC.



7312 BEM Bearing 2D drawings and 3D CAD models

## 60 mm x 130 mm x 31 mm SKF 7312 BEM Angular Contact Ball Bearings

Bearing No. 7312 BEM

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	1.9
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	40 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Inch - Metric	Metric
Long Description	60MM Bore; 130MM Outside Diameter; 31MM Width; Open; No Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3   ISO P6; No Filling Slot; No Snap Ring
Category	Angular Contact Ball



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	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	7312 BEM
Weight / LBS	4.187
D	5.118 Inch   130 Millimeter
B	1.22 Inch   31 Millimeter
d	2.362 Inch   60 Millimeter
d	60 mm
D	130 mm
B	31 mm
d <sub>1</sub>	87.25 mm
d <sub>2</sub>	72.6 mm
D <sub>1</sub>	104.8 mm
a	55 mm
r <sub>1,2</sub> min.	2.1 mm
r <sub>3,4</sub> min.	1.1 mm
d <sub>a</sub> min.	72 mm
D <sub>a</sub> max.	118 mm
D <sub>b</sub> max.	123 mm
r <sub>a</sub> max.	2 mm
r <sub>b</sub> max.	1 mm
Basic dynamic load rating C	95.6 kN
Basic static load rating C <sub>0</sub>	69.5 kN
Fatigue load limit P <sub>u</sub>	3 kN
Reference speed	6300 r/min
Limiting speed	6300 r/min
Calculation factor A	0.0846
Calculation factor k <sub>r</sub>	0.1



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Calculation factor e	1.14
Calculation factor X	0.35
Calculation factor $Y_0$	0.26
Calculation factor $Y_2$	0.57
Calculation factor X	0.57
Calculation factor $Y_0$	0.52
Calculation factor $Y_1$	0.55
Calculation factor $Y_2$	0.93
Mass bearing	1.75 kg