



# NTN BEARING DRIVESHAFT,INC.



## 55 mm x 120 mm x 49.2 mm SKF 3311 DNRCBM Angular Contact Ball Bearings

Bearing No. 3311 DNRCBM

3311 DNRCBM Bearing 2D drawings and 3D CAD models

Category	Angular Contact Ball Bearings
Inventory	1.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	2.65
EAN	7316571251974
Product Group	B00152
Enclosure	Open
Flush Ground	No
Rolling Element	Ball Bearing
Number of Rows of Balls	Double Row
Precision Class	ABEC 3   ISO P6
Maximum Capacity / Filling Slot	No
Snap Ring	Yes
Cage Material	Brass
Contact Angle	40 Degree
Internal Clearance	CB
Number of Bearings	1 (Single)
Inch - Metric	Metric
Long Description	55MM Bore; 120MM Outside Diameter; 49.2MM Width; Open; No Flush Ground; Ball Bearing; Double Row of Balls; ABEC 3   ISO P6; No Filling Slot; Yes Snap Ring



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Other Features	Split Inner Race   Normal Axial Internal Clearance
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	3311 DNRCBM
Weight / LBS	5.842
d	2.165 Inch   55 Millimeter
D	4.724 Inch   120 Millimeter
B	1.937 Inch   49.2 Millimeter
bore diameter:	55 mm
radial static load capacity:	83 kN
outside diameter:	120 mm
cage material:	Brass
overall width:	1.9375 in
outer ring width:	49.2 mm
contact angle:	40 °
maximum rpm:	5300 RPM
row type & fill slot:	Double-Row Non-Fill Slot
finish/coating:	Uncoated
internal clearance:	C0
precision rating:	Not Rated
closure type:	Open
fillet radius:	2 mm
radial dynamic load capacity:	95.6 kN
series:	33
d	55 mm
D	120 mm



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B	49.2 mm
d <sub>1</sub>	81.55 mm
D <sub>1</sub>	105.43 mm
D <sub>3</sub>	115.2 mm
D <sub>4</sub>	129.7 mm
C	4.9 mm
b	3.1 mm
f	2.82 mm
r <sub>0</sub> max.	0.6 mm
r <sub>1,2</sub> min.	2 mm
a	97 mm
d <sub>a</sub> min.	66 mm
r <sub>a</sub> max.	2 mm
Basic dynamic load rating C	95.6 kN
Basic static load rating C <sub>0</sub>	83 kN
Fatigue load limit P <sub>u</sub>	3.55 kN
Reference speed	6000 r/min
Limiting speed	5300 r/min
Calculation factor k <sub>r</sub>	0.095
Calculation factor e	1.14
Calculation factor X	0.57
Calculation factor Y <sub>0</sub>	0.52
Calculation factor Y <sub>1</sub>	0.55
Calculation factor Y <sub>2</sub>	0.93
Mass bearing	2.55 kg