



# COOPER BEARING LIMITED



3311 A Bearing 2D drawings and 3D CAD models

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

Bearing No. 3311 A

Category	Angular Contact Ball Bearings
Inventory	1.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	2.307
EAN	7316570216561
Product Group	B00152
Enclosure	Open
Flush Ground	No
Rolling Element	Ball Bearing
Number of Rows of Balls	Double Row
Precision Class	ABEC 1   ISO P0
Maximum Capacity / Filling Slot	No
Snap Ring	No
Cage Material	Steel
Contact Angle	30 Degree
Internal Clearance	C0-Medium
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 1   ISO P0; No Filling Slot; No Snap Ring;



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	C0-Medium; Steel Cage; 30 Degree; 1 (Single)
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 A
Weight / LBS	5.0816
d	2.165 Inch   55 Millimeter
B	1.937 Inch   49.2 Millimeter
D	4.724 Inch   120 Millimeter
bore diameter:	55 mm
radial static load capacity:	81.5 kN
outside diameter:	120 mm
cage material:	Metal
overall width:	1.9375 in
outer ring width:	49.2 mm
contact angle:	30 °
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:	112 kN
series:	33
d	55 mm
D	120 mm



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B	49.2 mm
$d_2$	68.4 mm
$D_2$	109.4 mm
$r_{1,2}$ min.	2 mm
a	72 mm
$d_a$ min.	66 mm
$D_a$ max.	109 mm
$r_a$ max.	2 mm
Basic dynamic load rating C	112 kN
Basic static load rating $C_0$	81.5 kN
Fatigue load limit $P_u$	3.45 kN
Reference speed	6000 r/min
Limiting speed	5300 r/min
Calculation factor $k_r$	0.07
Calculation factor e	0.8
Calculation factor X	0.63
Calculation factor $Y_0$	0.66
Calculation factor $Y_1$	0.78
Calculation factor $Y_2$	1.24
Mass bearing	2.65 kg