



## NTN Bearing Rolamentos do Brasil Ltda.



6311 NR Bearing 2D drawings and 3D CAD models

55 mm x 120 mm x 29 mm skf 6311 NR Deep groove ball bearings

Bearing No. 6311 NR

Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	1.419
EAN	7316577612854
Product Group	B00308
Enclosure	Open
Precision Class	ABEC 1   ISO P0
Maximum Capacity / Filling Slot	No
Rolling Element	Ball Bearing
Snap Ring	Yes
Internal Special Features	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	55MM Bore; 120MM Outside Diameter; 29MM Outer Race Width; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; Yes Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Steel Cage
Other Features	Deep Groove   With Snap Ring



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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	6311 NR
Weight / LBS	3.125
Outer Race Width	1.142 Inch   29 Millimeter
Inner Race Width	0 Inch   0 Millimeter
d	2.165 Inch   55 Millimeter
D	4.724 Inch   120 Millimeter
d	55 mm
D	120 mm
B	29 mm
d <sub>1</sub>	75.34 mm
D <sub>2</sub>	103.7 mm
D <sub>3</sub>	115.21 mm
D <sub>4</sub>	129.7 mm
b	3.1 mm
C	4.06 mm
f	2.82 mm
r <sub>0</sub> max.	0.6 mm
r <sub>1,2</sub> min.	2 mm
d <sub>a</sub> min.	66 mm
D <sub>a</sub> max.	109 mm
D <sub>b</sub> min.	131 mm
b <sub>a</sub> min.	3.5 mm
C <sub>a</sub> max.	6.88 mm
r <sub>a</sub> max.	2 mm
Basic dynamic load rating C	74.1 kN
Basic static load rating C <sub>0</sub>	45 kN



## NTN Bearing Rolamentos do Brasil Ltda.

Fatigue load limit $P_u$	1.9 kN
Reference speed	12000 r/min
Limiting speed	8000 r/min
Calculation factor $k_r$	0.03
Calculation factor $f_0$	13
Mass bearing	1.41 kg
Snap ring	SP 120