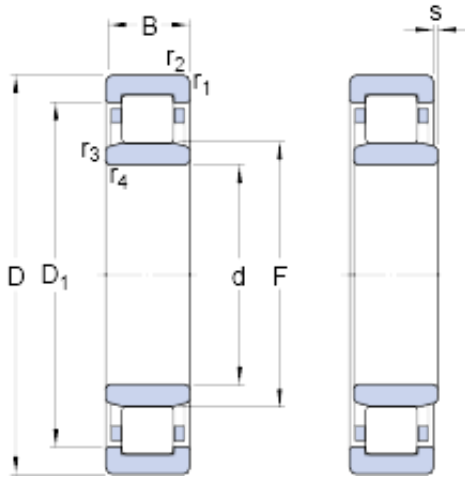




# BEARING USA CORP.



## 55 mm x 120 mm x 29 mm SKF NU 311 ECJ thrust ball bearings

Bearing No. NU 311 ECJ

NU 311 ECJ Bearing 2D drawings and 3D CAD models

Size	120x55x29 mm
Bore Diameter	120 mm
Outer Diameter	55 mm
Width	29 mm
d	55 mm
D	120 mm
B	29 mm
D <sub>1</sub>	100.3 mm
F	70.5 mm
r <sub>1,2</sub> - min.	2 mm
r <sub>3,4</sub> - min.	2 mm
s	2 mm
d <sub>a</sub> - min.	65 mm
d <sub>a</sub> - max.	68 mm
d <sub>b</sub> - min.	73 mm
D <sub>a</sub> - max.	109.2 mm
r <sub>a</sub> - max.	2 mm
r <sub>b</sub> - max.	2 mm
Basic dynamic load rating - C	156 kN
Basic static load rating - C <sub>0</sub>	143 kN
Fatigue load limit - P <sub>u</sub>	18.6 kN
Reference speed	6000 r/min
Limiting speed	7000 r/min
Calculation factor - k <sub>r</sub>	0.15



## BEARING USA CORP.

Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	1.512
EAN	7316577034908
Product Group	B04144
Bore Profile	Straight
Cage Material	Steel
Precision Class	RBEC 1   ISO P0
Number of Rows of Rollers	Single Row
Separable	Inner Ring - Both Sides
Rolling Element	Cylindrical Roller Bearing
Profile	Complete with Outer and Inner Ring
Snap Ring	No
Internal Clearance	C0-Medium
Retainer	Yes
Relubricatable	Yes
Inch - Metric	Metric
Other Features	High Capacity   Plain Inner Ring   2 Rib Outer Ring   Cage on Outer Ring ID
Long Description	55MM Bore; Straight Bore Profile; 120MM Outside Diameter; 29MM Width; Steel Cage Material; RBEC 1   ISO P0; Single Row; Inner Ring - Both Sides Separable; No Snap Ring; Relubricatable; C0-Medium Inte
Category	Cylindrical Roller Bearing
UNSPSC	31171547
Harmonized Tariff Code	8482.50.00.00
Noun	Bearing



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Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	NU 311 ECJ
Weight / LBS	3.331
Width	1.142 Inch   29 Millimeter
Outside Diameter	4.724 Inch   120 Millimeter
Bore	2.165 Inch   55 Millimeter
bore diameter:	55 mm
static load capacity:	143 kN
outside diameter:	120 mm
precision rating:	Not Rated
overall width:	29 mm
maximum rpm:	7000 RPM
flanges:	(2) Outer Ring
bearing material:	Steel
bore type:	Straight
cage material:	Steel
number of rows:	1
finish/coating:	Uncoated
internal clearance:	C0
closure type:	Open
ring separation:	Separable Ring
outer ring width:	29 mm
operating temperature range:	Maximum of +300 ° F
fillet radius:	2 mm
dynamic load capacity:	156 kN
series:	NU3
D <sub>1</sub>	100.3 mm
r <sub>1,2</sub> min.	2 mm
r <sub>3,4</sub> min.	2 mm
s max.	2 mm
d <sub>a</sub> min.	65 mm



## BEARING USA CORP.

$d_a$ max.	68 mm
$d_b$ min.	73 mm
$D_a$ max.	109.2 mm
$r_a$ max.	2 mm
$r_b$ max.	2 mm
Basic dynamic load rating C	156 kN
Basic static load rating $C_0$	143 kN
Fatigue load limit $P_u$	18.6 kN
Calculation factor $k_r$	0.15
Limiting value e	0.2
Axial load factor Y	0.6
Mass bearing	1.48 kg
Angle ring	HJ311 EC