



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 ₁	100.3 mm
F	70.5 mm
r _{1,2} - min.	2 mm
r _{3,4} - min.	2 mm
s	2 mm
d _a - min.	65 mm
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
Reference speed	6000 r/min
Limiting speed	7000 r/min
Calculation factor - k _r	0.15



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Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	1.512
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
Manufacturer URL	http://www.skf.com



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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_1	100.3 mm
$r_{1,2}$ min.	2 mm
$r_{3,4}$ min.	2 mm
s max.	2 mm
d_a min.	65 mm
d_a max.	68 mm



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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