



Bearing No. NUP 311 ECJ

B	29 mm
F	70.5 mm
d	55 mm
D	120 mm
Bore	2.165 Inch 55 Millimeter
Noun	Bearing
Width	1.142 Inch 29 Millimeter
UNSPSC	31171547
Profile	Complete with Outer and Inner Ring
series:	NUP3
flanges:	(4) Flanges, Two-Piece Inner Ring
Category	Cylindrical Roller Bearing
Retainer	Yes
Size (mm)	120x55x29
Snap Ring	No
Separable	No
Inventory	3.0
Width (mm)	29
bore type:	Straight
maximum rpm:	7000 RPM
Weight / LBS	3.459
Bore Profile	Straight
Mass bearing	1.53 kg
D ₁	100.3 mm
Product Group	B04144
Cage Material	Steel

d ₁	77.5 mm
closure type:	Open
Inch - Metric	Metric
Bearing number	NUP 311 ECJ
cage material:	Steel
Limiting speed	7000 r/min
fillet radius:	2 mm
overall width:	29 mm
Other Features	High Capacity 1 Rib Inner Ring with Side Plate 2 Rib Outer Ring Cage on Outer Ring ID
Relubricatable	Yes
bore diameter:	55 mm
number of rows:	1
finish/coating:	Uncoated
Rolling Element	Cylindrical Roller Bearing
Precision Class	RBEC 1 ISO P0
Reference speed	6000 r/min
ring separation:	Separable Ring
Long Description	55MM Bore; Straight Bore Profile; 120MM Outside Diameter; 29MM Width; Steel Cage Material; RBEC 1 ISO P0; Single Row; Not Separable; No Snap Ring; Relubricatable; C0-Medium Internal Clearance; Reta
Manufacturer URL	http://www.skf.com
Limiting value e	0.2
Outside Diameter	4.724 Inch 120 Millimeter
bearing material:	Steel

outer ring width:	29 mm
outside diameter:	120 mm
precision rating:	Not Rated
Manufacturer Name	SKF
Weight / Kilogram	1.57
Bore Diameter (mm)	120
r _a max.	2 mm
d _a min.	65 mm
d _b min.	80 mm
D _a max.	109.2 mm
Internal Clearance	C0-Medium
Outer Diameter (mm)	55
internal clearance:	C0
Axial load factor Y	0.6
r _a - max.	2 mm
D _a - max.	109.2 mm
d _b - min.	80 mm
d _a - min.	65 mm
r _{3,4} min.	2 mm
r _{1,2} min.	2 mm
Minimum Buy Quantity	N/A
d ₁ ?	77.5 mm
static load capacity:	143 kN
D ₁ ?	100.3 mm
r _{1,2} - min.	2 mm
dynamic load capacity:	156 kN
r _{3,4} - min.	2 mm
Harmonized Tariff Code	8482.50.00.00
Manufacturer Item Number	NUP 311 ECJ
Number of Rows of Rollers	Single Row
Basic dynamic load	156 kN

rating C	
operating temperature range:	Maximum of +300 °F
Basic dynamic load rating - C	156 kN
Fatigue load limit P_u	18.6 kN
Calculation factor k_f	0.15
Fatigue load limit - P_u	18.6 kN
Calculation factor - k_f	0.15
Basic static load rating C_0	143 kN
Basic static load rating - C_0	143 kN