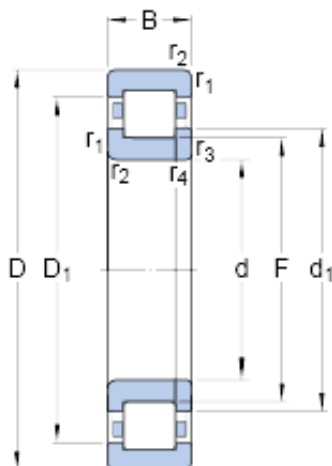




## BEARING USA CORP.

### 55 mm x 120 mm x 29 mm SKF NUP 311 ECP thrust ball bearings

Bearing No. NUP 311 ECP



NUP 311 ECP 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>	77.5 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
d <sub>a</sub> - min.	65 mm
d <sub>b</sub> - min.	80 mm
D <sub>a</sub> - max.	109.2 mm
r <sub>a</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
Category	Cylindrical Roller Bearings
Inventory	3.0



## BEARING USA CORP.

Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	1.536
EAN	7316577030306
Product Group	B04144
Bore Profile	Straight
Cage Material	Polymer
Precision Class	RBEC 1   ISO P0
Number of Rows of Rollers	Single Row
Separable	No
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   1 Rib Inner Ring with Side Plate   2 Rib Outer Ring   Cage on Outer Ring ID
Long Description	55MM Bore; Straight Bore Profile; 120MM Outside Diameter; 29MM Width; Polymer Cage Material; RBEC 1   ISO P0; Single Row; Not Separable; No Snap Ring; Relubricatable; C0-Medium Internal Clearance; Re
Category	Cylindrical Roller Bearing
UNSPSC	31171547
Harmonized Tariff Code	8482.50.00.00
Noun	Bearing
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>



## BEARING USA CORP.

Manufacturer Item Number	NUP 311 ECP
Weight / LBS	3.383
Outside Diameter	4.724 Inch   120 Millimeter
Bore	2.165 Inch   55 Millimeter
Width	1.142 Inch   29 Millimeter
bore diameter:	55 mm
precision rating:	RBEC 1 (ISO Class Normal)
outside diameter:	120 mm
maximum rpm:	7000 RPM
overall width:	29 mm
bearing material:	Steel
flanges:	(4) Flanges, Two-Piece Inner Ring
cage material:	Polyamide
bore type:	Straight
finish/coating:	Uncoated
number of rows:	1
closure type:	Open
internal clearance:	C0
application:	Piston Type Machines, Rolling Mills, Spindles/Machine Tools
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:	NUP3
static load capacity:	143 kN
d <sub>1</sub>	77.5 mm
D <sub>1</sub>	100.3 mm
r <sub>1,2</sub> min.	2 mm



## BEARING USA CORP.

$r_{3,4}$ min.	2 mm
$d_a$ min.	65 mm
$d_b$ min.	80 mm
$D_a$ max.	109.2 mm
$r_a$ 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	1.5 kg