



**Bearing No. NU 2311 ECP**

D	120 mm
d	55 mm
B	43 mm
F	70.5 mm
s	3.5 mm
Bore	2.165 Inch   55 Millimeter
Noun	Bearing
Width	1.693 Inch   43 Millimeter
s max.	3.5 mm
UNSPSC	31171547
series:	NU23
Profile	Complete with Outer and Inner Ring
flanges:	(2) Outer Ring
Retainer	Yes
Category	Cylindrical Roller Bearing
Size (mm)	120x55x43
Snap Ring	No
Inventory	2.0
Separable	Inner Ring - Both Sides
bore type:	Straight
Width (mm)	43
Bore Profile	Straight
Mass bearing	2.23 kg
application:	Piston Type Machines, Rolling Mills, Spindles/Machine Tools
Weight / LBS	4.985
maximum rpm:	7000 RPM

closure type:	Open
Inch - Metric	Metric
Product Group	B04144
Cage Material	Polymer
D <sub>1</sub>	100.3 mm
bore diameter:	55 mm
overall width:	43 mm
cage material:	Polyamide
Other Features	High Capacity   Plain Inner Ring   2 Rib Outer Ring   Cage on Outer Ring ID
Relubricatable	Yes
fillet radius:	2 mm
Bearing number	NU 2311 ECP
Limiting speed	7000 r/min
Rolling Element	Cylindrical Roller Bearing
number of rows:	1
Precision Class	RBEC 1   ISO P0
finish/coating:	Uncoated
Reference speed	6000 r/min
ring separation:	Separable Ring
Limiting value e	0.3
Long Description	55MM Bore; Straight Bore Profile; 120MM Outside Diameter; 43MM Width; Polymer Cage Material; RBEC 1   ISO P0; Single Row; Inner Ring - Both Sides Separable; No Snap Ring; Relubricatable; C0-Medium In
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Outside Diameter	4.724 Inch   120

	Millimeter
bearing material:	Steel
outside diameter:	120 mm
precision rating:	RBEC 1 (ISO Class Normal)
outer ring width:	43 mm
Weight / Kilogram	2.263
Manufacturer Name	SKF
D <sub>a</sub> max.	109.2 mm
d <sub>a</sub> max.	68 mm
r <sub>a</sub> max.	2 mm
r <sub>b</sub> max.	2 mm
d <sub>a</sub> min.	65 mm
Bore Diameter (mm)	120
Internal Clearance	C0-Medium
d <sub>b</sub> min.	73 mm
Outer Diameter (mm)	55
Axial load factor Y	0.4
internal clearance:	C0
r <sub>3,4</sub> min.	2 mm
r <sub>1,2</sub> min.	2 mm
d <sub>a</sub> - min.	65 mm
r <sub>a</sub> - max.	2 mm
Minimum Buy Quantity	N/A
r <sub>b</sub> - max.	2 mm
d <sub>a</sub> - max.	68 mm
d <sub>b</sub> - min.	73 mm
D <sub>a</sub> - max.	109.2 mm
static load capacity:	232 kN
D <sub>1</sub> ?	100.3 mm
r <sub>3,4</sub> - min.	2 mm
Harmonized Tariff Code	8482.50.00.00
	2 mm

r<sub>1,2</sub> - min.

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dynamic load capacity:	232 kN
Manufacturer Item Number	NU 2311 ECP
Number of Rows of Rollers	Single Row
Basic dynamic load rating C	232 kN
operating temperature range:	Maximum of +300 °F
Basic dynamic load rating - C	232 kN
Fatigue load limit $P_u$	30.5 kN
Calculation factor $k_r$	0.25
Fatigue load limit - $P_u$	30.5 kN
Calculation factor - $k_r$	0.25
Basic static load rating $C_0$	232 kN
Basic static load rating - $C_0$	232 kN