



**Bearing No. NUP 2311 ECP**

F	70.5 mm
d	55 mm
B	43 mm
D	120 mm
Noun	Bearing
Bore	2.165 Inch   55 Millimeter
Width	1.693 Inch   43 Millimeter
UNSPSC	31171547
series:	NUP23
Profile	Complete with Outer and Inner Ring
Retainer	Yes
flanges:	(4) Flanges, Two-Piece Inner Ring
Category	Cylindrical Roller Bearing
Separable	No
Size (mm)	120x55x43
Inventory	0.0
Snap Ring	No
Width (mm)	43
bore type:	Straight
Bore Profile	Straight
Mass bearing	2.31 kg
Weight / LBS	5.194
maximum rpm:	7000 RPM
application:	Piston Type Machines, Rolling Mills, Spindles/Machine Tools
closure type:	Open

Product Group	B04144
D <sub>1</sub>	100.3 mm
Cage Material	Polymer
Inch - Metric	Metric
d <sub>1</sub>	77.5 mm
overall width:	43 mm
cage material:	Polyamide
Other Features	High Capacity   1 Rib Inner Ring with Side Plate   2 Rib Outer Ring   Cage on Outer Ring ID
Relubricatable	Yes
fillet radius:	2 mm
bore diameter:	55 mm
Bearing number	NUP 2311 ECP
Limiting speed	7000 r/min
finish/coating:	Uncoated
Reference speed	6000 r/min
number of rows:	1
Rolling Element	Cylindrical Roller Bearing
Precision Class	RBEC 1   ISO P0
ring separation:	Separable Ring
Long Description	55MM Bore; Straight Bore Profile; 120MM Outside Diameter; 43MM Width; Polymer Cage Material; RBEC 1   ISO P0; Single Row; Not Separable; No Snap Ring; Relubricatable; C0-Medium Internal Clearance; Re
Outside Diameter	4.724 Inch   120 Millimeter
Limiting value e	0.3

Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Name	SKF
precision rating:	RBEC 1 (ISO Class Normal)
outside diameter:	120 mm
outer ring width:	43 mm
bearing material:	Steel
Weight / Kilogram	2.358
$d_b$ min.	80 mm
$D_a$ max.	109.2 mm
$d_a$ min.	65 mm
Bore Diameter (mm)	120
$r_a$ max.	2 mm
Internal Clearance	C0-Medium
Axial load factor Y	0.4
internal clearance:	C0
Outer Diameter (mm)	55
$d_a$ - min.	65 mm
$D_a$ - max.	109.2 mm
Minimum Buy Quantity	N/A
$r_a$ - max.	2 mm
$r_{3,4}$ min.	2 mm
$r_{1,2}$ min.	2 mm
$d_b$ - min.	80 mm
$d_1$ ?	77.5 mm
$D_1$ ?	100.3 mm
static load capacity:	232 kN
dynamic load capacity:	232 kN
$r_{1,2}$ - min.	2 mm
$r_{3,4}$ - min.	2 mm
Harmonized Tariff Code	8482.50.00.00
Manufacturer Item Number	NUP 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