



Bearing No. NJ 2311 ECP

F	70.5 mm
s	3.5 mm
d	55 mm
D	120 mm
B	43 mm
Bore	2.165 Inch 55 Millimeter
Noun	Bearing
Width	1.693 Inch 43 Millimeter
s max.	3.5 mm
UNSPSC	31171547
Profile	Complete with Outer and Inner Ring
series:	NJ23
flanges:	(2) Outer Ring, (1) Inner Ring
Retainer	Yes
Category	Cylindrical Roller Bearing
Separable	Inner Ring - One Side
Size (mm)	120x55x43
Inventory	0.0
Snap Ring	No
Width (mm)	43
bore type:	Straight
Bore Profile	Straight
Mass bearing	2.26 kg
Weight / LBS	5.085
application:	Piston Type Machines, Rolling Mills, Spindles/Machine Tools

maximum rpm:	7000 RPM
closure type:	Open
Product Group	B04144
Cage Material	Polymer
Inch - Metric	Metric
D ₁	100.3 mm
d ₁	77.5 mm
bore diameter:	55 mm
overall width:	43 mm
cage material:	Polyamide
Other Features	High Capacity 1 Rib Inner Ring 2 Rib Outer Ring Cage on Outer Ring ID
fillet radius:	2 mm
Relubricatable	Yes
Bearing number	NJ 2311 ECP
Limiting speed	7000 r/min
Rolling Element	Cylindrical Roller Bearing
Precision Class	RBEC 1 ISO P0
number of rows:	1
finish/coating:	Uncoated
Reference speed	6000 r/min
Manufacturer URL	http://www.skf.com
Outside Diameter	4.724 Inch 120 Millimeter
Long Description	55MM Bore; Straight Bore Profile; 120MM Outside Diameter; 43MM Width; Polymer Cage Material; RBEC 1 ISO P0; Single Row; Inner Ring - One Side Separable; No Snap Ring; Relubricatable;

	C0-Medium Inte
Limiting value e	0.3
ring separation:	Separable Ring
precision rating:	RBEC 1 (ISO Class Normal)
bearing material:	Steel
outer ring width:	43 mm
Weight / Kilogram	2.309
Manufacturer Name	SKF
outside diameter:	120 mm
Bore Diameter (mm)	120
Internal Clearance	C0-Medium
d_a min.	65 mm
d_a max.	68 mm
D_a max.	109.2 mm
r_a max.	2 mm
d_b min.	80 mm
Outer Diameter (mm)	55
Axial load factor Y	0.4
internal clearance:	C0
$r_{3,4}$ min.	2 mm
$r_{1,2}$ min.	2 mm
d_a - min.	65 mm
D_a - max.	109.2 mm
Minimum Buy Quantity	N/A
r_a - max.	2 mm
d_a - max.	68 mm
d_b - min.	80 mm
static load capacity:	232 kN
d_1 ?	77.5 mm
D_1 ?	100.3 mm
$r_{3,4}$ - min.	2 mm
Harmonized Tariff Code	8482.50.00.00

r _{1,2} - min.	2 mm
dynamic load capacity:	232 kN
Manufacturer Item Number	NJ 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