



Bearing No. NJ 2311 ECP

Size	120x55x43 mm
Bore Diameter	120 mm
Outer Diameter	55 mm
Width	43 mm
d	55 mm
D	120 mm
B	43 mm
d ₁	77.5 mm
D ₁	100.3 mm
F	70.5 mm
r _{1,2} - min.	2 mm
r _{3,4} - min.	2 mm
s	3.5 mm
d _a - min.	65 mm
d _a - max.	68 mm
d _b - min.	80 mm
D _a - max.	109.2 mm
r _a - max.	2 mm
Basic dynamic load rating - C	232 kN
Basic static load rating - C ₀	232 kN
Fatigue load limit - P _u	30.5 kN
Reference speed	6000 r/min
Limiting speed	7000 r/min
Calculation factor - k _r	0.25
Category	Cylindrical Roller Bearings
BDI Inventory	0.0
Manufacturer Name	SKF

Minimum Buy Quantity	N/A
Weight / Kilogram	2.309
EAN	7316577069108
Product Group - BDI	B04144
Bore Profile	Straight
Cage Material	Polymer
Precision Class	RBEC 1 ISO P0
Number of Rows of Rollers	Single Row
Separable	Inner Ring - One Side
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 2 Rib Outer Ring Cage on Outer Ring ID
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 Internal Clearance; Retainer
Category - BDI	Cylindrical Roller Bearing
UNSPSC	31171547

Harmonized Tariff Code	8482.50.00.00
Noun	Bearing
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	NJ 2311 ECP
Weight / LBS	5.085
Width	1.693 Inch 43 Millimeter
Outside Diameter	4.724 Inch 120 Millimeter
Bore	2.165 Inch 55 Millimeter
bore diameter:	55 mm
precision rating:	RBEC 1 (ISO Class Normal)
outside diameter:	120 mm
maximum rpm:	7000 RPM
overall width:	43 mm
bearing material:	Steel
flanges:	(2) Outer Ring, (1) 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:	43 mm
operating temperature range:	Maximum of +300 °F
fillet radius:	2 mm

dynamic load capacity:	232 kN
series:	NJ23
static load capacity:	232 kN
d_1 ?	77.5 mm
D_1 ?	100.3 mm
$r_{1,2}$ min.	2 mm
$r_{3,4}$ min.	2 mm
s max.	3.5 mm
d_a min.	65 mm
d_a max.	68 mm
d_b min.	80 mm
D_a max.	109.2 mm
r_a max.	2 mm
Basic dynamic load rating C	232 kN
Basic static load rating C_0	232 kN
Fatigue load limit P_u	30.5 kN
Calculation factor k_r	0.25
Limiting value e	0.3
Axial load factor Y	0.4
Mass bearing	2.26 kg
Angle ring	HJ 2311 EC