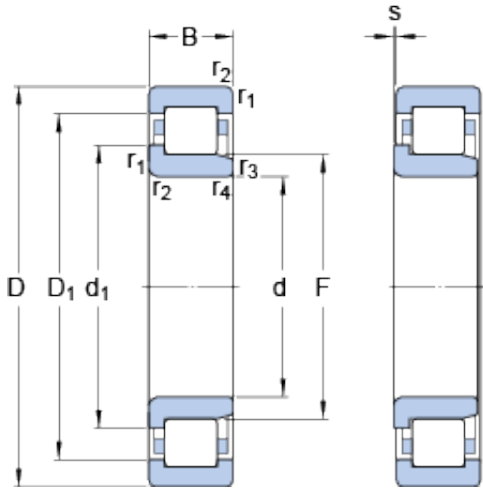




# SKF BEARING rolling stock(Europe) G.m...



## 55 mm x 120 mm x 43 mm SKF NJ 2311 ECP thrust ball bearings

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 <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
s	3.5 mm
d <sub>a</sub> - min.	65 mm
d <sub>a</sub> - max.	68 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	232 kN
Basic static load rating - C <sub>0</sub>	232 kN
Fatigue load limit - P <sub>u</sub>	30.5 kN
Reference speed	6000 r/min
Limiting speed	7000 r/min
Calculation factor - k <sub>r</sub>	0.25

NJ 2311 ECP Bearing 2D drawings and 3D CAD models



## SKF BEARING rolling stock(Europe) G.m...

Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	2.309
Product Group	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 Inte
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>



## SKF BEARING rolling stock(Europe) G.m...

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 <sub>1</sub>	77.5 mm
D <sub>1</sub>	100.3 mm
r <sub>1,2</sub> min.	2 mm



## SKF BEARING rolling stock(Europe) G.m...

$r_{3,4}$ 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