



# Shandong Shenjie Bearing Co., Ltd.



NJ 312 ECP Bearing 2D drawings and 3D CAD models

## 60 mm x 130 mm x 31 mm SKF NJ 312 ECP Cylindrical Roller Bearings

Bearing No. NJ 312 ECP

Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	1.87
EAN	7316577032249
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	60MM Bore; Straight Bore Profile; 130MM Outside Diameter; 31MM Width; Polymer Cage Material; RBEC 1   ISO P0; Single



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	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>
Manufacturer Item Number	NJ 312 ECP
Weight / LBS	4.118
B	1.22 Inch   31 Millimeter
d	2.362 Inch   60 Millimeter
D	5.118 Inch   130 Millimeter
bore diameter:	60 mm
precision rating:	RBEC 1 (ISO Class Normal)
outside diameter:	130 mm
maximum rpm:	6700 RPM
overall width:	31 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:	31 mm



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operating temperature range:	Maximum of +300 ° F
fillet radius:	2 mm
dynamic load capacity:	173 kN
series:	NJ3
static load capacity:	160 kN
d	60 mm
D	130 mm
B	31 mm
d <sub>1</sub>	84.3 mm
D <sub>1</sub>	108.6 mm
F	77 mm
r <sub>1,2</sub> min.	2.1 mm
r <sub>3,4</sub> min.	2.1 mm
s max.	2.1 mm
d <sub>a</sub> min.	72 mm
d <sub>a</sub> max.	74 mm
d <sub>b</sub> min.	87 mm
D <sub>a</sub> max.	118.1 mm
r <sub>a</sub> max.	2 mm
Basic dynamic load rating C	173 kN
Basic static load rating C <sub>0</sub>	160 kN
Fatigue load limit P <sub>u</sub>	21.2 kN
Reference speed	5600 r/min
Limiting speed	6700 r/min
Calculation factor k <sub>r</sub>	0.15
Limiting value e	0.2
Axial load factor Y	0.6
Mass bearing	1.83 kg
Angle ring	HJ 312 EC