



# KOYO BEARING LIMITED



## 45 mm x 100 mm x 25 mm SKF NJ 309 ECP Cylindrical Roller Bearings

Bearing No. NJ 309 ECP

NJ 309 ECP Bearing 2D drawings and 3D CAD models

Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.918
EAN	7316577027962
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	45MM Bore; Straight Bore Profile; 100MM Outside Diameter; 25MM 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 309 ECP
Weight / LBS	2.021
D	3.937 Inch   100 Millimeter
B	0.984 Inch   25 Millimeter
d	1.772 Inch   45 Millimeter
bore diameter:	45 mm
precision rating:	RBEC 1 (ISO Class Normal)
outside diameter:	100 mm
maximum rpm:	8500 RPM
overall width:	25 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:	25 mm



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operating temperature range:	Maximum of +300 ° F
fillet radius:	1.5 mm
dynamic load capacity:	112 kN
series:	NJ3
static load capacity:	100 kN
d	45 mm
D	100 mm
B	25 mm
d <sub>1</sub>	64.4 mm
D <sub>1</sub>	83.2 mm
F	58.5 mm
r <sub>1,2</sub> min.	1.5 mm
r <sub>3,4</sub> min.	1.5 mm
s max.	1.7 mm
d <sub>a</sub> min.	54 mm
d <sub>a</sub> max.	56 mm
d <sub>b</sub> min.	67 mm
D <sub>a</sub> max.	91.4 mm
r <sub>a</sub> max.	1.5 mm
Basic dynamic load rating C	112 kN
Basic static load rating C <sub>0</sub>	100 kN
Fatigue load limit P <sub>u</sub>	12.9 kN
Reference speed	7500 r/min
Limiting speed	8500 r/min
Calculation factor k <sub>r</sub>	0.15
Limiting value e	0.2
Axial load factor Y	0.6
Mass bearing	0.89 kg