



# NTN BEARING DRIVESHAFT, INC.



N 209 ECP Bearing 2D drawings and 3D CAD models

## 45 mm x 85 mm x 19 mm SKF N 209 ECP Cylindrical Roller Bearings

Bearing No. N 209 ECP

Category	Cylindrical Roller Bearings
Inventory	5.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.444
EAN	7316577040275
Product Group	B04144
Bore Profile	Straight
Cage Material	Polymer
Precision Class	RBEC 1   ISO P0
Number of Rows of Rollers	Single Row
Separable	Outer Ring - Both Sides
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   2 Rib Inner Ring   Plain Outer Ring   Cage on Inner Ring OD
Long Description	45MM Bore; Straight Bore Profile; 85MM Outside Diameter; 19MM Width; Polymer Cage Material; RBEC 1   ISO P0; Single



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	Row; Outer Ring - Both Sides Separable; No Snap Ring; Relubricatable; C0-Medium Int
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	N 209 ECP
Weight / LBS	0.977
B	0.748 Inch   19 Millimeter
d	1.772 Inch   45 Millimeter
D	3.346 Inch   85 Millimeter
bore diameter:	45 mm
precision rating:	RBEC 1 (ISO Class Normal)
outside diameter:	85 mm
maximum rpm:	9500 RPM
overall width:	19 mm
bearing material:	Steel
flanges:	(2) 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:	19 mm
operating temperature	Maximum of +300 ° F



## NTN BEARING DRIVESHAFT,INC.

range:	
fillet radius:	1 mm
dynamic load capacity:	69.5 kN
series:	N2
static load capacity:	64 kN
d	45 mm
D	85 mm
B	19 mm
d <sub>1</sub>	59 mm
E	76.5 mm
r <sub>1,2</sub> min.	1.1 mm
r <sub>3,4</sub> min.	1.1 mm
s max.	1.2 mm
d <sub>a</sub> min.	52 mm
d <sub>a</sub> max.	74 mm
D <sub>a</sub> min.	78 mm
D <sub>a</sub> max.	79.1 mm
r <sub>a</sub> max.	1 mm
r <sub>b</sub> max.	1 mm
Basic dynamic load rating C	69.5 kN
Basic static load rating C <sub>0</sub>	64 kN
Fatigue load limit P <sub>u</sub>	8.15 kN
Reference speed	9000 r/min
Limiting speed	9500 r/min
Calculation factor k <sub>r</sub>	0.12
Limiting value e	0.2
Axial load factor Y	0.6
Mass bearing	0.43 kg