



# NTN-BOWER LTD.



## 45 mm x 85 mm x 19 mm NTN NJ209 JAPAN Bearing

Bearing No. NJ209

Size	45x85x19 mm
Bore Diameter	45 mm
Outer Diameter	85 mm
Width	19 mm
d	45 mm
Fw	55 mm
D	85 mm
B	19 mm
C	19 mm
r min.	1,1 mm
r1 min.	1,1 mm
J	59 mm
Weight	0,432 Kg
Basic dynamic load rating (C)	46 kN
Basic static load rating (C0)	47 kN
(Grease) Lubrication Speed	8 400 r/min
E	75 mm
F	55 mm
d1	59 mm
rs min	1.1 mm
r1s min	1.1 mm
Radial clearance class	CN
Mass (without HJ ring)	0.47 kg
Dynamic load, C	46 kN
Static load, C0	47 kN

NJ209 Bearing 2D drawings and 3D CAD models



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Fatigue limit load, Cu	5.7 kN
Nlim (oil)	9,900 rpm
Nlim (grease)	8,400 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	6.35 Hz
Characteristic outer ring frequency, BPF0	5.92 Hz
Characteristic inner ring frequency, BPGI	8.08 Hz
da min	51.5 mm
da max	54 mm
dc min	61 mm
Da max	78.5 mm
ra max	1 mm
Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.441
Product Group	B04144
Bore Profile	Straight
Cage Material	Steel
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



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Snap Ring	No
Internal Clearance	C0-Medium
Retainer	Yes
Relubricatable	Yes
Inch - Metric	Metric
Other Features	1 Rib Inner Ring   2 Rib Outer Ring   Cage On Outer Ring ID
Long Description	45MM Bore; Straight Bore Profile; 85MM Outside Diameter; 19MM Width; Steel Cage Material; RBEC 1   ISO P0; Single Row; Inner Ring - One Side Separable; No Snap Ring; Relubricatable; C0-Medium Intern
Category	Cylindrical Roller Bearing
UNSPSC	31171547
Harmonized Tariff Code	8482.50.00.00
Noun	Bearing
Manufacturer URL	<a href="http://www.ntnamerica.com">http://www.ntnamerica.com</a>
Manufacturer Item Number	NJ209
Weight / LBS	0.975
Bore	1.772 Inch   45 Millimeter
Width	0.748 Inch   19 Millimeter
Outside Diameter	3.346 Inch   85 Millimeter
bore diameter:	45 mm
precision rating:	ISO Class 0
outside diameter:	85 mm
maximum rpm:	9900 rpm
overall width:	19 mm
bearing material:	Hardened Alloy Steel
flanges:	(2) Outer Ring, (1) Inner Ring



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cage material:	Pressed Steel
bore type:	Straight
finish/coating:	Uncoated
number of rows:	1
closure type:	Open
internal clearance:	CN
outer ring width:	19 mm
ring separation:	Non-Separable
fillet radius:	1 mm
operating temperature range:	-40 to 120 ° C
series:	NJ
dynamic load capacity:	46000 N
manufacturer product page:	<a href="#">Click here</a>
static load capacity:	47000 N