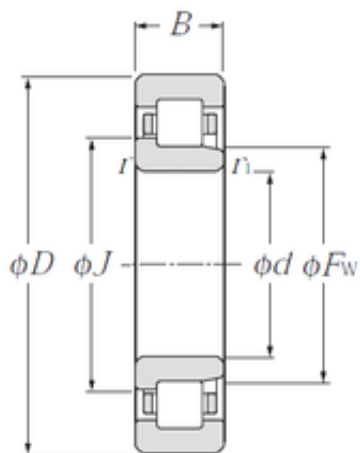




Bearing Rolamentos do Brasil Ltda.



45 mm x 100 mm x 25 mm NTN NJ309
cylindrical roller bearings

Bearing No. NJ309

Size	45x100x25 mm
Bore Diameter	45 mm
Outer Diameter	100 mm
Width	25 mm
d	45 mm
Fw	58,5 mm
D	100 mm
B	25 mm
C	25 mm
r min.	1,5 mm
r1 min.	1,5 mm
J	64 mm
Weight	0,877 Kg
Basic dynamic load rating (C)	74 kN
Basic static load rating (C0)	71 kN
(Grease) Lubrication Speed	7 200 r/min
E	86.5 mm
F	58.5 mm
d1	64 mm
rs min	1.5 mm
r1s min	1.5 mm
Radial clearance class	CN
Mass (without HJ ring)	0.9 kg
Dynamic load, C	74 kN
Static load, C0	71 kN

NJ309 Bearing 2D drawings and 3D CAD models



Bearing Rolamentos do Brasil Ltda.

Fatigue limit load, Cu	8.7 kN
Nlim (oil)	8,400 rpm
Nlim (grease)	7,200 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.4 Hz
Characteristic rolling element frequency, BSF	4.98 Hz
Characteristic outer ring frequency, BPF0	4.44 Hz
Characteristic inner ring frequency, BRFI	6.56 Hz
da min	53 mm
da max	57 mm
dc min	66 mm
Da max	92 mm
ra max	1.5 mm
Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.88
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



Bearing Rolamentos do Brasil Ltda.

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; 100MM Outside Diameter; 25MM 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	http://www.ntnamerica.com
Manufacturer Item Number	NJ309
Weight / LBS	1.943
Outside Diameter	3.937 Inch 100 Millimeter
Width	0.984 Inch 25 Millimeter
Bore	1.772 Inch 45 Millimeter
bore diameter:	45 mm
static load capacity:	71000 N
outside diameter:	100 mm
precision rating:	ISO Class 0
overall width:	25 mm
maximum rpm:	8400 rpm
flanges:	(2) Outer Ring, (1) Inner Ring



Bearing Rolamentos do Brasil Ltda.

bearing material:	Hardened Alloy Steel
bore type:	Straight
cage material:	Pressed Steel
number of rows:	1
finish/coating:	Uncoated
internal clearance:	CN
closure type:	Open
operating temperature range:	-40 to 120 ° C
fillet radius:	1.5 mm
dynamic load capacity:	74000 N
manufacturer product page:	Click here