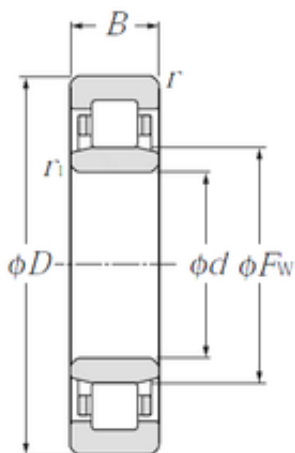




## BEARING-MALAYSIA SDN.BHD.



45 mm x 100 mm x 25 mm NTN NU309  
cylindrical roller bearings

Bearing No. NU309

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
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
rs min	1.5 mm
r1s min	1.5 mm
Radial clearance class	CN
Mass (without HJ ring)	0.89 kg
Dynamic load, C	74 kN
Static load, C0	71 kN
Fatigue limit load, Cu	8.7 kN
Nlim (oil)	8,400 rpm

NU309 Bearing 2D drawings and 3D CAD models



## BEARING-MALAYSIA SDN.BHD.

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, BRF1	6.56 Hz
da min	53 mm
da max	57 mm
db min	60 mm
Da max	92 mm
ra max	1.5 mm
r1a max	1.5 mm
Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.857
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 - Both Sides
Rolling Element	Cylindrical Roller Bearing
Profile	Complete with Outer and Inner Ring
Snap Ring	No



## BEARING-MALAYSIA SDN.BHD.

Internal Clearance	C0-Medium
Retainer	Yes
Relubricatable	Yes
Inch - Metric	Metric
Other Features	Plain 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 - Both Sides 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.ntnamerica.com">http://www.ntnamerica.com</a>
Manufacturer Item Number	NU309
Weight / LBS	1.892
Width	0.984 Inch   25 Millimeter
Bore	1.772 Inch   45 Millimeter
Outside Diameter	3.937 Inch   100 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
bearing material:	Hardened Alloy Steel
bore type:	Straight



## BEARING-MALAYSIA SDN.BHD.

cage material:	Pressed Steel
number of rows:	1
finish/coating:	Uncoated
internal clearance:	CN
closure type:	Open
ring separation:	Separable Inner Ring
fillet radius:	1.5 mm
operating temperature range:	-40 to 120 ° C
manufacturer product page:	<a href="#">Click here</a>
dynamic load capacity:	74000 N