



BEARING-MALAYSIA SDN.BHD.

45 mm x 100 mm x 25 mm NTN 6309 deep groove ball bearings



Bearing No. 6309

6309 Bearing 2D drawings and 3D CAD models

Size	45x100x25 mm
Bore Diameter	45 mm
Outer Diameter	100 mm
Width	25 mm
d	45 mm
D	100 mm
B	25 mm
C	25 mm
r min.	1,5 mm
da min.	53 mm
da max	61,5 mm
Da max.	92 mm
ra max.	1,5 mm
Weight	0,814 Kg
Basic dynamic load rating (C)	53 kN
Basic static load rating (C0)	32 kN
(Grease) Lubrication Speed	7 000 r/min
(Oil) Lubrication Speed	8 200 r/min
rs min	1.5 mm
Radial clearance class	CN
Mass	0.81 kg
Dynamic load, C	53 kN
Static load, C0	32 kN
Fatigue limit load, Cu	1.45 kN
f0	13.1



BEARING-MALAYSIA SDN.BHD.

Nlim (oil)	8,200 rpm
Nlim (grease)	7,000 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.38 Hz
Characteristic rolling element frequency, BSF	4 Hz
Characteristic outer ring frequency, BPF0	3.06 Hz
Characteristic inner ring frequency, BRF1	4.94 Hz
da min	53 mm
Da max	92 mm
ra max	1.5 mm
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.815
Product Group	B00308
Enclosure	Open
Precision Class	ABEC 1 ISO P0
Maximum Capacity / Filling Slot	No
Rolling Element	Ball Bearing
Snap Ring	No
Internal Special Features	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	45MM Bore; 100MM Outside Diameter; 25MM



BEARING-MALAYSIA SDN.BHD.

	Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Category	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Ball
Manufacturer URL	http://www.ntnamerica.com
Manufacturer Item Number	6309
Weight / LBS	1.803
Outer Race Width	0.984 Inch 25 Millimeter
Bore	1.772 Inch 45 Millimeter
Outside Diameter	3.937 Inch 100 Millimeter
bore diameter:	45 mm
finish/coating:	Uncoated
outside diameter:	100 mm
bearing material:	High Carbon Chrome Steel
overall width:	25 mm
cage material:	Steel
bore type:	Round
inner ring width:	25 mm
closure type:	Open
outer ring width:	25 mm
row type & fill slot:	Single Row Non-Fill Slot
maximum rpm (grease):	7000 rpm
snap ring included:	Without Snap Ring
maximum rpm (oil):	8200 rpm
internal clearance:	CN
fillet radius:	1.5 mm
operating temperature	-40 to 120 ° C



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range:	
maximum rpm:	8200 RPM
dynamic load capacity:	53000 N
series:	63
static load capacity:	32000 N
manufacturer product page:	Click here
precision rating:	Class 0