



BEARING DRIVESHAFT, INC.



6209LU Bearing 2D drawings and 3D CAD models

45,000 mm x 85,000 mm x 19,000 mm NTN
6209LU deep groove ball bearings

Bearing No. 6209LU

Size	45x85x19 mm
Bore Diameter	45,000 mm
Outer Diameter	85,000 mm
Width	19,000 mm
d	45,000 mm
D	85,000 mm
B	19,000 mm
C	19,000 mm
rs min	1.1 mm
Radial clearance class	CN
Mass	0.4 kg
Dynamic load, C	32.5 kN
Static load, C0	20.4 kN
Fatigue limit load, Cu	0.93 kN
f0	14.1
Nlim (grease)	5,200 rpm
Min operating temperature, Tmin	-25 ° C
Max operating temperature, Tmax	110 ° C
Characteristic cage frequency, FTF	0.4 Hz
Characteristic rolling element frequency, BSF	4.92 Hz
Characteristic outer ring frequency, BPF0	3.62 Hz
Characteristic inner ring	5.38 Hz



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frequency, BPFI	
da min	51.5 mm
da max	55.5 mm
Da max	78.5 mm
ra max	1 mm
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.388
EAN	4547359364675
Product Group	B00308
Enclosure	1 Seal
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
Enclosure Type	Contact Seal
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	45MM Bore; 85MM Outside Diameter; 19MM Outer Race Width; 1 Seal; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Steel Cage; C
Other Features	Deep Groove Double Lip Friction Nitrile Rubber Seal -20 To 120 Deg C
Category	Single Row Ball Bearing



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UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Ball
Manufacturer URL	http://www.ntnamerica.com
Manufacturer Item Number	6209LU
Weight / LBS	0.92
Outside Diameter	3.346 Inch 85 Millimeter
Outer Race Width	0.748 Inch 19 Millimeter
Inner Race Width	0 Inch 0 Millimeter
Bore	1.772 Inch 45 Millimeter
bore diameter:	45 mm
static load capacity:	20400 N
outside diameter:	85 mm
precision rating:	ISO Class 0
overall width:	19 mm
finish/coating:	Uncoated
bore type:	Round
bearing material:	High Carbon Chrome Steel
closure type:	Single Seal
cage material:	Steel
row type & fill slot:	Single Row Non-Fill Slot
inner ring width:	19 mm
snap ring included:	Without Snap Ring
outer ring width:	19 mm
internal clearance:	CN
maximum rpm (grease):	5200 rpm
operating temperature range:	-40 to 120 ° C
fillet radius:	1.1 mm
dynamic load capacity:	32500 N
manufacturer product page:	Click here



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