



SNR BEARING CORP.OF AMERICA

85 mm x 150 mm x 28 mm NTN NJ217C3 Single row cylindrical roller bearings

Bearing No. NJ217C3

d	85 mm
D	150 mm
B	28 mm
E	133.8 mm
F	101.8 mm
d1	108.2 mm
rs min	2 mm
r1s min	2 mm
Radial clearance class	C3
Mass (without HJ ring)	1.94 kg
Dynamic load, C	120 kN
Static load, C0	140 kN
Fatigue limit load, Cu	16.3 kN
Nlim (oil)	5,300 rpm
Nlim (grease)	4,500 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	7.23 Hz
Characteristic outer ring frequency, BPF0	6.91 Hz
Characteristic inner ring frequency, BPF1	9.09 Hz

NJ217C3 Bearing 2D drawings and 3D CAD models



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da min	94 mm
da max	99 mm
dc min	110 mm
Da max	141 mm
ra max	2 mm
Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	1.93
EAN	4547359118285
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
Snap Ring	No
Internal Clearance	C3-Loose
Retainer	Yes
Relubricatable	Yes
Inch - Metric	Metric
Other Features	1 Rib Inner Ring 2 Rib Outer Ring Cage On Outer Ring ID
Long Description	85MM Bore; Straight Bore Profile; 150MM Outside Diameter; 28MM Width; Steel Cage Material; RBEC 1 ISO P0; Single Row; Inner Ring - One Side Separable; No Snap Ring;



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	Relubricatable; C3-Loose Interna
Category	Cylindrical Roller Bearing
UNSPSC	31171547
Harmonized Tariff Code	8482.50.00.00
Noun	Bearing
Manufacturer URL	http://www.ntnamerica.com
Manufacturer Item Number	NJ217C3
Weight / LBS	4.261
Outside Diameter	5.906 Inch 150 Millimeter
Bore	3.346 Inch 85 Millimeter
Width	1.102 Inch 28 Millimeter
bore diameter:	85 mm
precision rating:	ISO Class 0
outside diameter:	150 mm
maximum rpm:	5300 rpm
overall width:	28 mm
bearing material:	Hardened Alloy Steel
flanges:	(2) Outer Ring, (1) Inner Ring
cage material:	Pressed Steel
bore type:	Straight
finish/coating:	Uncoated
number of rows:	1
closure type:	Open
internal clearance:	C3
outer ring width:	28 mm
ring separation:	Non-Separable
fillet radius:	2 mm
operating temperature range:	-40 to 120 ° C
series:	NJ



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dynamic load capacity:	120000 N
manufacturer product page:	Click here
static load capacity:	140000 N