



SNR BEARING CORP.OF AMERICA

100 mm x 180 mm x 34 mm NTN NJ220G1C3
Single row cylindrical roller bearings

Bearing No. NJ220G1C3

d	100 mm
D	180 mm
B	34 mm
E	160 mm
F	120 mm
d1	128 mm
rs min	2.1 mm
r1s min	2.1 mm
Radial clearance class	C3
Mass (without HJ ring)	3.62 kg
Dynamic load, C	183 kN
Static load, C0	217 kN
Fatigue limit load, Cu	23.9 kN
Nlim (oil)	4,500 rpm
Nlim (grease)	3,800 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	6.86 Hz
Characteristic outer ring frequency, BPF0	6.86 Hz
Characteristic inner ring frequency, BPF1	9.14 Hz

NJ220G1C3 Bearing 2D drawings and 3D CAD models



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da min	111 mm
da max	117 mm
dc min	130 mm
Da max	169 mm
ra max	2 mm
Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	3.63
Product Group	B04144
Bore Profile	Straight
Cage Material	Brass
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	100MM Bore; Straight Bore Profile; 180MM Outside Diameter; 34MM Width; Brass Cage Material; RBEC 1 ISO P0; Single Row; Inner Ring - One Side Separable; No Snap Ring; Relubricatable; C3-Loose Intern



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Category	Cylindrical Roller Bearing
UNSPSC	31171547
Harmonized Tariff Code	8482.50.00.00
Noun	Bearing
Manufacturer URL	http://www.ntnamerica.com
Manufacturer Item Number	NJ220G1C3
Weight / LBS	8
Width	1.339 Inch 34 Millimeter
Outside Diameter	7.087 Inch 180 Millimeter
Bore	3.937 Inch 100 Millimeter