



NTN NU210 cylindrical roller bearings

Bearing No. NU210

Size	50x90x20 mm
Bore Diameter	50 mm
Outer Diameter	90 mm
Width	20 mm
d	50 mm
Fw	60,4 mm
D	90 mm
B	20 mm
C	20 mm
r min.	1,1 mm
r1 min.	1,1 mm
Weight	0,47 Kg
Basic dynamic load rating (C)	48 kN
Basic static load rating (C0)	51 kN
(Grease) Lubrication Speed	7 600 r/min
E	80.4 mm
F	60.4 mm
rs min	1.1 mm
r1s min	1.1 mm
Radial clearance class	CN
Mass (without HJ ring)	0.48 kg
Dynamic load, C	48 kN
Static load, C0	51 kN
Fatigue limit load, Cu	6.2 kN
Nlim (oil)	9,000 rpm
Nlim (grease)	7,600 rpm

NU210 Bearing 2D drawings and 3D CAD models



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Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	6.9 Hz
Characteristic outer ring frequency, BPF0	6.44 Hz
Characteristic inner ring frequency, BRFI	8.56 Hz
da min	56.5 mm
da max	58 mm
db min	62 mm
Da max	83.5 mm
ra max	1 mm
r1a max	1 mm
Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.484
EAN	4547359000450
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



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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	50MM Bore; Straight Bore Profile; 90MM Outside Diameter; 20MM Width; Steel Cage Matetrial; RBEC 1 ISO P0; Single Row; Inner Ring - Both Sides Separable; No Snap Ring; Relubricatable; C0-Medium Inter
Category	Cylindrical Roller Bearing
UNSPSC	31171547
Harmonized Tariff Code	8482.50.00.00
Noun	Bearing
Manufacturer URL	http://www.ntnamerica.com
Manufacturer Item Number	NU210
Weight / LBS	1.067
Width	0.787 Inch 20 Millimeter
Outside Diameter	3.543 Inch 90 Millimeter
Bore	1.969 Inch 50 Millimeter
bore diameter:	50 mm
precision rating:	ISO Class 0
outside diameter:	90 mm
maximum rpm:	9000 rpm
overall width:	20 mm
bearing material:	Hardened Alloy Steel
flanges:	(2) Outer Ring
cage material:	Pressed Steel
bore type:	Straight



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finish/coating:	Uncoated
number of rows:	1
closure type:	Open
internal clearance:	CN
outer ring width:	20 mm
ring separation:	Separable Inner Ring
fillet radius:	1 mm
operating temperature range:	-40 to 120 ° C
series:	NU
dynamic load capacity:	48000 N
manufacturer product page:	Click here
static load capacity:	51000 N