



Bearing No. 6210C3

D	90 mm
d	50 mm
B	20 mm
f0	14.4
Mass	0.45 kg
Bore	1.969 Inch 50 Millimeter
Noun	Bearing
ra max	1 mm
UNSPSC	31171504
Da max	83.5 mm
da min	56.5 mm
rs min	1.1 mm
series:	62
Category	Single Row Ball Bearing
Inventory	52.0
Size (mm)	50x90x20
Snap Ring	No
Enclosure	Open
Nlim (oil)	8,300 rpm
Width (mm)	20
bore type:	Round
Weight / LBS	1.02
maximum rpm:	8300 RPM
Inch - Metric	Metric
Product Group	B00308
Cage Material	Steel
Nlim (grease)	7,100 rpm
closure type:	Open
Keyword String	Ball

bore diameter:	50 mm
overall width:	20 mm
cage material:	Steel
fillet radius:	1.1 mm
Bearing number	6210C3
Rolling Element	Ball Bearing
Precision Class	ABEC 1 ISO P0
Dynamic load, C	35 kN
Static load, C0	23.2 kN
finish/coating:	Uncoated
Outer Race Width	0.787 Inch 20 Millimeter
Long Description	50MM Bore; 90MM Outside Diameter; 20MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Outside Diameter	3.543 Inch 90 Millimeter
Manufacturer URL	http://www.ntnamerica.com
outer ring width:	20 mm
inner ring width:	20 mm
outside diameter:	90 mm
bearing material:	High Carbon Chrome Steel
precision rating:	Class 0
Manufacturer Name	NTN
Weight / Kilogram	0.46
Internal Clearance	C3-Loose
maximum rpm (oil):	8300 rpm
Bore Diameter (mm)	50
Outer Diameter (mm)	90

internal clearance:	C3
snap ring included:	Without Snap Ring
Minimum Buy Quantity	N/A
static load capacity:	23200 N
row type & fill slot:	Single Row Non-Fill Slot
maximum rpm (grease):	7100 rpm
dynamic load capacity:	35000 N
Harmonized Tariff Code	8482.10.50.68
Radial clearance class	C3
Fatigue limit load, Cu	1.05 kN
Manufacturer Item Number	6210C3
Internal Special Features	No
manufacturer product page:	Click here
operating temperature range:	-40 to 120 °C
Min operating temperature, Tmin	-60 °C
Maximum Capacity / Filling Slot	No
Characteristic cage frequency, FTF	0.41 Hz
Characteristic inner ring frequency, BPFI	5.91 Hz
Characteristic outer ring frequency, BPF0	4.09 Hz
Characteristic rolling element frequency, BSF	5.33 Hz