



NTN BEARINGS INDUSTRY

50 mm x 90 mm x 20 mm NTN 6210 Bearing



Bearing No. 6210

Size	50x90x20 mm
Bore Diameter	50 mm
Outer Diameter	90 mm
Width	20 mm
d	50 mm
D	90 mm
B	20 mm
C	20 mm
r min.	1,1 mm
da min.	56,5 mm
da max	60 mm
Da max.	83,5 mm
ra max.	1 mm
Weight	0,454 Kg
Basic dynamic load rating (C)	35 kN
Basic static load rating (C0)	23,2 kN
(Grease) Lubrication Speed	7 100 r/min
(Oil) Lubrication Speed	8 300 r/min
rs min	1.1 mm
Radial clearance class	CN
Mass	0.45 kg
Dynamic load, C	35 kN
Static load, C0	23.2 kN
Fatigue limit load, Cu	1.05 kN
f0	14.4
Nlim (oil)	8,300 rpm

6210 Bearing 2D drawings and 3D CAD models



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Nlim (grease)	7,100 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.41 Hz
Characteristic rolling element frequency, BSF	5.33 Hz
Characteristic outer ring frequency, BPF0	4.09 Hz
Characteristic inner ring frequency, BRF1	5.91 Hz
da min	56.5 mm
Da max	83.5 mm
ra max	1 mm
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.454
EAN	4547359004793
Product Group	B00308
Enclosure	Open
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
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	50MM Bore; 90MM



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	Outside Diameter; 20MM Outer Race Width; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Steel Cage
Other Features	Deep Groove
Category	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Ball
Manufacturer URL	http://www.ntnamerica.com
Manufacturer Item Number	6210
Weight / LBS	1.02
Bore	1.969 Inch 50 Millimeter
Inner Race Width	0 Inch 0 Millimeter
Outside Diameter	3.543 Inch 90 Millimeter
Outer Race Width	0.787 Inch 20 Millimeter
bore diameter:	50 mm
precision rating:	Class 0
outside diameter:	90 mm
finish/coating:	Uncoated
overall width:	20 mm
bearing material:	High Carbon Chrome Steel
bore type:	Round
cage material:	Steel
closure type:	Open
inner ring width:	20 mm
row type & fill slot:	Single Row Non-Fill Slot
outer ring width:	20 mm
snap ring included:	Without Snap Ring



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maximum rpm (grease):	7100 rpm
internal clearance:	CN
maximum rpm (oil):	8300 rpm
operating temperature range:	-40 to 120 ° C
fillet radius:	1.1 mm
dynamic load capacity:	35000 N
manufacturer product page:	Click here
static load capacity:	23200 N