



Precision bearing company

NTN Various Plastic Bearing 6204 Deep Groove Ball Bearing

Bearing No. 6204



6204 Bearing 2D drawings and 3D CAD models

Size	20x47x14 mm
Bore Diameter	20 mm
Outer Diameter	47 mm
Width	14 mm
d	20 mm
D	47 mm
B	14 mm
C	14 mm
r min.	1 mm
da min.	25 mm
da max	28 mm
Da max.	42 mm
ra max.	1 mm
Weight	0,106 Kg
Basic dynamic load rating (C)	12,8 kN
Basic static load rating (C0)	6,65 kN
(Grease) Lubrication Speed	16 000 r/min
(Oil) Lubrication Speed	18 000 r/min
rs min	1 mm
Radial clearance class	CN
Mass	0.11 kg
Dynamic load, C	12.8 kN
Static load, C0	6.65 kN
Fatigue limit load, Cu	0.3 kN
f0	13.2



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Nlim (oil)	18,000 rpm
Nlim (grease)	16,000 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.38 Hz
Characteristic rolling element frequency, BSF	4.12 Hz
Characteristic outer ring frequency, BPF0	3.08 Hz
Characteristic inner ring frequency, BRF1	4.92 Hz
da min	25 mm
Da max	42 mm
ra max	1 mm
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.105
EAN	4547359004557
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



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Long Description	20MM Bore; 47MM Outside Diameter; 14MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
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	6204
Weight / LBS	0.232
Bore	0.787 Inch 20 Millimeter
Outer Race Width	0.551 Inch 14 Millimeter
Outside Diameter	1.85 Inch 47 Millimeter
bore diameter:	20 mm
finish/coating:	Uncoated
outside diameter:	47 mm
bearing material:	High Carbon Chrome Steel
overall width:	14 mm
cage material:	Steel
bore type:	Round
inner ring width:	14 mm
closure type:	Open
outer ring width:	14 mm
row type & fill slot:	Single Row Non-Fill Slot
maximum rpm (grease):	16000 rpm
snap ring included:	Without Snap Ring
maximum rpm (oil):	18000 rpm
internal clearance:	CN



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fillet radius:	1 mm
operating temperature range:	-40 to 120 ° C
maximum rpm:	18000 RPM
dynamic load capacity:	12800 N
series:	62
static load capacity:	6650 N
manufacturer product page:	Click here
precision rating:	Class 0