



6001 Bearing 2D drawings and 3D CAD models

NTN, Auto/Agricultural Machinery Ball Bearing
6001 6002 6003 6004 6200 6201 6202 6203 6204

Bearing No. 6001

Size	12x28x8 mm
Bore Diameter	12 mm
Outer Diameter	28 mm
Width	8 mm
d	12 mm
D	28 mm
B	8 mm
C	8 mm
r min.	0,3 mm
da min.	14 mm
da max	16 mm
Da max.	26 mm
ra max.	0,3 mm
Weight	0,021 Kg
Basic dynamic load rating (C)	5,1 kN
Basic static load rating (C0)	2,39 kN
(Grease) Lubrication Speed	26 000 r/min
(Oil) Lubrication Speed	30 000 r/min
rs min	0.3 mm
Radial clearance class	CN
Mass	0.02 kg
Dynamic load, C	5.1 kN
Static load, C0	2.39 kN
Fatigue limit load, Cu	0.11 kN
f0	13.2



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Nlim (oil)	30,000 rpm
Nlim (grease)	26,000 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	4.07 Hz
Characteristic outer ring frequency, BPF0	3.07 Hz
Characteristic inner ring frequency, BRF1	4.93 Hz
da min	14 mm
Da max	26 mm
ra max	0.3 mm
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.021
EAN	4547359315011
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	12MM Bore; 28MM Outside Diameter; 8MM 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	6001CM
Weight / LBS	0.046
Outside Diameter	1.102 Inch 28 Millimeter
Bore	0.472 Inch 12 Millimeter
Outer Race Width	0.315 Inch 8 Millimeter
bore diameter:	12 mm
precision rating:	Class 0
outside diameter:	28 mm
finish/coating:	Uncoated
overall width:	8 mm
bearing material:	High Carbon Chrome Steel
bore type:	Round
cage material:	Steel
closure type:	Open
inner ring width:	8 mm
row type & fill slot:	Single Row Non-Fill Slot
outer ring width:	8 mm
snap ring included:	Without Snap Ring
maximum rpm (grease):	26000 rpm
internal clearance:	CN



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maximum rpm (oil):	30000 rpm
operating temperature range:	-40 to 120 ° C
fillet radius:	0.3 mm
dynamic load capacity:	5100 N
manufacturer product page:	Click here
static load capacity:	2390 N