



TBD Bearing Machinery Co., Ltd

NTN Ball Bearing 6004 LLU with Bearing List



Bearing No. 6004

Size	20x42x12 mm
Bore Diameter	20 mm
Outer Diameter	42 mm
Width	12 mm
d	20 mm
D	42 mm
B	12 mm
C	12 mm
r min.	0,6 mm
da min.	24 mm
da max	26 mm
Da max.	38 mm
ra max.	0,6 mm
Weight	0,069 Kg
Basic dynamic load rating (C)	9,4 kN
Basic static load rating (C0)	5,05 kN
(Grease) Lubrication Speed	18 000 r/min
(Oil) Lubrication Speed	21 000 r/min
rs min	0.6 mm
Radial clearance class	CN
Mass	0.07 kg
Dynamic load, C	9.4 kN
Static load, C0	5.05 kN
Fatigue limit load, Cu	0.23 kN
f0	13.9
Nlim (oil)	21,000 rpm

6004 Bearing 2D drawings and 3D CAD models



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Nlim (grease)	18,000 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.4 Hz
Characteristic rolling element frequency, BSF	4.76 Hz
Characteristic outer ring frequency, BPF0	3.59 Hz
Characteristic inner ring frequency, BRF1	5.41 Hz
da min	24 mm
Da max	38 mm
ra max	0.6 mm
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.069
EAN	4547359003710
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	20MM Bore; 42MM



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	Outside Diameter; 12MM 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	6004
Weight / LBS	0.152
Bore	0.787 Inch 20 Millimeter
Outside Diameter	1.654 Inch 42 Millimeter
Outer Race Width	0.472 Inch 12 Millimeter
Inner Race Width	0 Inch 0 Millimeter
bore diameter:	20 mm
finish/coating:	Uncoated
outside diameter:	42 mm
bearing material:	High Carbon Chrome Steel
overall width:	12 mm
cage material:	Steel
bore type:	Round
inner ring width:	12 mm
closure type:	Open
outer ring width:	12 mm
row type & fill slot:	Single Row Non-Fill Slot
maximum rpm (grease):	18000 rpm
snap ring included:	Without Snap Ring



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maximum rpm (oil):	21000 rpm
internal clearance:	CN
fillet radius:	0.6 mm
operating temperature range:	-40 to 120 ° C
maximum rpm:	21000 RPM
dynamic load capacity:	9400 N
series:	60
static load capacity:	5050 N
manufacturer product page:	Click here
precision rating:	Class 0