



## BEARING FORGE OF AMERICA CORP.

### 12 mm x 37 mm x 12 mm ntn 6301 bearing



Bearing No. 6301

Size	12x37x12 mm
Bore Diameter	12 mm
Outer Diameter	37 mm
Width	12 mm
d	12 mm
D	37 mm
B	12 mm
C	12 mm
r min.	1 mm
da min.	17 mm
da max	18,5 mm
Da max.	32 mm
ra max.	1 mm
Weight	0,06 Kg
Basic dynamic load rating (C)	9,7 kN
Basic static load rating (C0)	4,2 kN
(Grease) Lubrication Speed	20 000 r/min
(Oil) Lubrication Speed	24 000 r/min
rs min	1 mm
Radial clearance class	CN
Mass	0.06 kg
Dynamic load, C	9.7 kN
Static load, C0	4.2 kN
Fatigue limit load, Cu	0.19 kN
f0	11.1
Nlim (oil)	24,000 rpm

6301 Bearing 2D drawings and 3D CAD models



## BEARING FORGE OF AMERICA CORP.

Nlim (grease)	20,000 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.34 Hz
Characteristic rolling element frequency, BSF	2.76 Hz
Characteristic outer ring frequency, BPF0	2.03 Hz
Characteristic inner ring frequency, BPF1	3.97 Hz
da min	17 mm
Da max	32 mm
ra max	1 mm
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.061
EAN	4547359005271
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	C3-Loose
Inch - Metric	Metric
Long Description	12MM Bore; 37MM



## BEARING FORGE OF AMERICA CORP.

	Outside Diameter; 12MM 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	<a href="http://www.snrbearings.com">http://www.snrbearings.com</a>
Manufacturer Item Number	6301
Weight / LBS	0.132
Outside Diameter	1.457 Inch   37 Millimeter
Outer Race Width	0.472 Inch   12 Millimeter
Bore	0.472 Inch   12 Millimeter
bore diameter:	12 mm
precision rating:	Class 0
outside diameter:	37 mm
finish/coating:	Uncoated
overall width:	12 mm
bearing material:	High Carbon Chrome Steel
bore type:	Round
cage material:	Steel
closure type:	Open
inner ring width:	12 mm
row type & fill slot:	Single Row Non-Fill Slot
outer ring width:	12 mm
snap ring included:	Without Snap Ring
maximum rpm (grease):	20000 rpm
internal clearance:	CN
maximum rpm (oil):	24000 rpm



## BEARING FORGE OF AMERICA CORP.

operating temperature range:	-40 to 120 ° C
fillet radius:	1 mm
dynamic load capacity:	9700 N
manufacturer product page:	<a href="#">Click here</a>
static load capacity:	4200 N