



NTN BEARINGS INDUSTRY

55 mm x 120 mm x 29 mm NTN 6311 Bearing



Bearing No. 6311

Size	55x120x29 mm
Bore Diameter	55 mm
Outer Diameter	120 mm
Width	29 mm
d	55 mm
D	120 mm
B	29 mm
C	29 mm
r min.	2 mm
da min.	64 mm
da max	74 mm
Da max.	111 mm
ra max.	2 mm
Weight	1,37 Kg
Basic dynamic load rating (C)	71,5 kN
Basic static load rating (C0)	45 kN
(Grease) Lubrication Speed	5 800 r/min
(Oil) Lubrication Speed	6 800 r/min
rs min	2 mm
Radial clearance class	CN
Mass	1.37 kg
Dynamic load, C	71.5 kN
Static load, C0	45 kN
Fatigue limit load, Cu	2.05 kN
f0	13.2
Nlim (oil)	6,800 rpm

6311 Bearing 2D drawings and 3D CAD models



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Nlim (grease)	5,800 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	4.08 Hz
Characteristic outer ring frequency, BPF0	3.07 Hz
Characteristic inner ring frequency, BRF1	4.93 Hz
da min	64 mm
Da max	111 mm
ra max	2 mm
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	1.341
EAN	4547359005653
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	55MM Bore; 120MM



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	Outside Diameter; 29MM 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	6311
Weight / LBS	3.02
Outside Diameter	4.724 Inch 120 Millimeter
Bore	2.165 Inch 55 Millimeter
Outer Race Width	1.142 Inch 29 Millimeter
Inner Race Width	0 Inch 0 Millimeter
bore diameter:	55 mm
finish/coating:	Uncoated
outside diameter:	120 mm
bearing material:	High Carbon Chrome Steel
overall width:	29 mm
cage material:	Steel
bore type:	Round
inner ring width:	29 mm
closure type:	Open
outer ring width:	29 mm
row type & fill slot:	Single Row Non-Fill Slot
maximum rpm (grease):	5800 rpm
snap ring included:	Without Snap Ring



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maximum rpm (oil):	6800 rpm
internal clearance:	CN
fillet radius:	2 mm
operating temperature range:	-40 to 120 ° C
maximum rpm:	6800 RPM
dynamic load capacity:	71500 N
series:	63
static load capacity:	45000 N
manufacturer product page:	Click here
precision rating:	Class 0