



# NTN BEARING CORP.OF AMERICA



6016Z Bearing 2D drawings and 3D CAD models

80,000 mm x 125,000 mm x 22,000 mm NTN  
6016Z deep groove ball bearings

Bearing No. 6016Z

Size	80x125x22 mm
Bore Diameter	80,000 mm
Outer Diameter	125,000 mm
Width	22,000 mm
d	80,000 mm
D	125,000 mm
B	22,000 mm
C	22,000 mm
rs min	1.1 mm
Radial clearance class	CN
Mass	0.85 kg
Dynamic load, C	47.5 kN
Static load, C0	40 kN
Fatigue limit load, Cu	1.8 kN
f0	15.6
Nlim (oil)	6,200 rpm
Nlim (grease)	5,300 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	7.46 Hz
Characteristic outer ring frequency, BPF0	6.08 Hz



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Characteristic inner ring frequency, BPF1	7.92 Hz
da min	86.5 mm
Da max	118.5 mm
ra max	1 mm
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.832
EAN	4547359335415
Product Group	B00308
Enclosure	1 Metal Shield
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	80MM Bore; 125MM Outside Diameter; 22MM Outer Race Width; 1 Metal Shield; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Stee
Other Features	Deep Groove
Category	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68



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Noun	Bearing
Keyword String	Ball
Manufacturer URL	<a href="http://www.ntnamerica.com">http://www.ntnamerica.com</a>
Manufacturer Item Number	6016Z
Weight / LBS	1.91802
Inner Race Width	0 Inch   0 Millimeter
Outside Diameter	4.921 Inch   125 Millimeter
Outer Race Width	0.866 Inch   22 Millimeter
Bore	3.15 Inch   80 Millimeter
bore diameter:	80 mm
precision rating:	ISO Class 0
outside diameter:	125 mm
finish/coating:	Uncoated
overall width:	22 mm
bearing material:	High Carbon Chrome Steel
bore type:	Round
cage material:	Steel
closure type:	Single Shield
inner ring width:	22 mm
row type & fill slot:	Single Row Non-Fill Slot
outer ring width:	22 mm
snap ring included:	Without Snap Ring
maximum rpm (grease):	5300 rpm
internal clearance:	CN
maximum rpm (oil):	6200 rpm
operating temperature range:	-40 to 120 ° C
fillet radius:	1.1 mm
dynamic load capacity:	47500 N
manufacturer product page:	<a href="#">Click here</a>
static load capacity:	40000 N