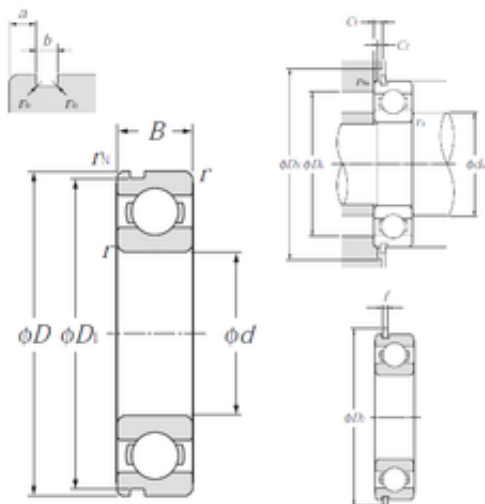




ASAHI FORGE OF AMERICA BEARING CORP.



80 mm x 110 mm x 16 mm NTN 6916NR deep groove ball bearings

Bearing No. 6916NR

Size	80x110x16 mm
Bore Diameter	80 mm
Outer Diameter	110 mm
Width	16 mm
d	80 mm
D	110 mm
B	16 mm
C	16 mm
rn	0,5 mm
a	2,5 mm
b	1,3 mm
f	1,12 mm
r min.	1 mm
r0 max.	0,4 mm
D1	107,6 mm
D2	115,7 mm
da min.	85 mm
da max	88 mm
Da max.	105 mm
ra max.	1 mm
Dx	117 mm
Cy	3,3 mm
Cz	1,2 mm
rn	0,5 mm
Weight	0,373 Kg

6916NR Bearing 2D drawings and 3D CAD models



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Basic dynamic load rating (C)	24,9 kN
Basic static load rating (C0)	24 kN
(Grease) Lubrication Speed	5 700 r/min
(Oil) Lubrication Speed	6 700 r/min
a min	2.3 mm
a max	2.5 mm
Ca min	3.42 mm
Ca max	3.62 mm
rs min	1 mm
rNs min	0.5 mm
D3 max	107.6 mm
b min	1.3 mm
b max	1.6 mm
r0 max	0.4 mm
D4 max	115.7 mm
Snap ring reference	R110
Radial clearance class	CN
Mass	0.37 kg
Dynamic load, C	24.9 kN
Static load, C0	24 kN
Fatigue limit load, Cu	1.09 kN
f0	16.6
Nlim (oil)	6,700 rpm
Nlim (grease)	5,700 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.45 Hz
Characteristic rolling element frequency, BSF	10.85 Hz
Characteristic outer ring	8.63 Hz



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frequency, BPF0	
Characteristic inner ring frequency, BPF1	10.37 Hz
da min	85 mm
Da max	105 mm
ra max	1 mm
rNa max	0.5 mm
Db min	117 mm
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.385
Product Group	B00308
Enclosure	Open
Precision Class	ABEC 1 ISO P0
Maximum Capacity / Filling Slot	No
Rolling Element	Ball Bearing
Snap Ring	Yes
Internal Special Features	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	80MM Bore; 110MM Outside Diameter; 16MM Outer Race Width; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; Yes Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Steel Cage
Other Features	Deep Groove With Snap Ring
Category	Single Row Ball Bearing



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UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Ball
Manufacturer URL	http://www.ntnamerica.com
Outside Diameter	4.331 Inch 110 Millimeter
Bore	3.15 Inch 80 Millimeter
Outer Race Width	0.63 Inch 16 Millimeter
Inner Race Width	0 Inch 0 Millimeter