



80 mm x 125 mm x 22 mm NTN 6016NR deep groove ball bearings

Bearing No. 6016NR

6016NR Bearing 2D drawings and 3D CAD models

Size	80x125x22 mm
Bore Diameter	80 mm
Outer Diameter	125 mm
Width	22 mm
d	80 mm
D	125 mm
B	22 mm
C	22 mm
rn	0,5 mm
a	2,87 mm
b	3,1 mm
f	2,82 mm
r min.	1,1 mm
r0 max.	0,6 mm
D1	120,22 mm
D2	134,7 mm
da min.	86,5 mm
da max	91,5 mm
Da max.	118,5 mm
ra max.	1 mm
Dx	136,5 mm
Cy	5,3 mm
Cz	2,9 mm
rn	0,5 mm
Weight	0,854 Kg



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Basic dynamic load rating (C)	47,5 kN
Basic static load rating (C0)	40 kN
(Grease) Lubrication Speed	5 300 r/min
(Oil) Lubrication Speed	6 200 r/min
a min	2.67 mm
a max	2.87 mm
Ca min	5.49 mm
Ca max	5.69 mm
rs min	1.1 mm
rNs min	0.5 mm
D3 max	120.22 mm
b min	3.1 mm
b max	3.4 mm
r0 max	0.6 mm
D4 max	134.7 mm
Snap ring reference	R125
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	6.08 Hz



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frequency, BPF0	
Characteristic inner ring frequency, BPF1	7.92 Hz
da min	86.5 mm
Da max	118.5 mm
ra max	1 mm
rNa max	0.5 mm
Db min	136.5 mm
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.85
EAN	4547359335354
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; 125MM Outside Diameter; 22MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; Yes Snap Ring; No Internal Special Features
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	http://www.ntnamerica.com
Manufacturer Item Number	6016NR
Weight / LBS	1.87
Outer Race Width	0.866 Inch 22 Millimeter
Outside Diameter	4.921 Inch 125 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:	Open
inner ring width:	22 mm
row type & fill slot:	Single Row Non-Fill Slot
outer ring width:	22 mm
snap ring included:	With 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:	Click here
static load capacity:	40000 N