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17 mm x 35 mm x 10 mm NTN 6003NR Single row deep groove ball bearings

Bearing No. 6003NR

6003NR Bearing 2D drawings and 3D CAD models

Size	17x35x10 mm
Bore Diameter	17 mm
Outer Diameter	35 mm
Width	10 mm
d	17 mm
D	35 mm
B	10 mm
C	10 mm
rn	0,3 mm
a	2,06 mm
b	1,35 mm
f	1,12 mm
r min.	0,3 mm
r0 max.	0,4 mm
D1	33,17 mm
D2	39,7 mm
da min.	19 mm
da max	21 mm
Da max.	33 mm
ra max.	0,3 mm
Dx	40,5 mm
Cy	2,9 mm
Cz	1,2 mm
rn	0,3 mm
Weight	0,039 Kg



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Basic dynamic load rating (C)	6,8 kN
Basic static load rating (C0)	3,35 kN
(Grease) Lubrication Speed	20 000 r/min
(Oil) Lubrication Speed	24 000 r/min
a min	1.9 mm
a max	2.06 mm
Ca min	2.92 mm
Ca max	3.18 mm
rs min	0.3 mm
rNs min	0.3 mm
D3 max	33.17 mm
b min	1.35 mm
b max	1.65 mm
r0 max	0.4 mm
D4 max	39.7 mm
Snap ring reference	R35
Radial clearance class	CN
Mass	0.04 kg
Dynamic load, C	6.8 kN
Static load, C0	3.35 kN
Fatigue limit load, Cu	0.15 kN
f0	13.6
Nlim (oil)	24,000 rpm
Nlim (grease)	20,000 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.39 Hz
Characteristic rolling element frequency, BSF	4.47 Hz
Characteristic outer ring	3.14 Hz



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frequency, BPF0	
Characteristic inner ring frequency, BPF1	4.86 Hz
da min	19 mm
Da max	33 mm
ra max	0.3 mm
rNa max	0.3 mm
Db min	40.5 mm
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.04
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	17MM Bore; 35MM Outside Diameter; 10MM 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
Noun	Bearing



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Keyword String	Ball
Manufacturer URL	http://www.ntnamerica.com
Manufacturer Item Number	6003NR
Weight / LBS	0.086
Outer Race Width	0.394 Inch 10 Millimeter
Bore	0.669 Inch 17 Millimeter
Outside Diameter	1.378 Inch 35 Millimeter