



SNR BEARING CORP.OF AMERICA

17 mm x 35 mm x 10 mm NTN 6003ZZNR/5K
Single row deep groove ball bearings

Bearing No. 6003ZZNR/5K

d	17 mm
D	35 mm
B	10 mm
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
f	1.12 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 (grease)	20,000 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature,	120 ° C

6003ZZNR/5K Bearing 2D drawings and 3D CAD models



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Tmax	
Characteristic cage frequency, FTF	0.39 Hz
Characteristic rolling element frequency, BSF	4.47 Hz
Characteristic outer ring frequency, BPF0	3.14 Hz
Characteristic inner ring frequency, BRFI	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