



# SNR BEARING CORP.OF AMERICA

17 mm x 35 mm x 10 mm SNR 6003.HVZZ  
Single row deep groove ball bearings

Bearing No. 6003.HVZZ

d	17 mm
D	35 mm
B	10 mm
d1	22.8 mm
D1	31.4 mm
rs min	0.3 mm
Radial clearance class	C3
Mass	0.04 kg
Dynamic load, C	5.8 kN
Static load, C0	3.25 kN
Fatigue limit load, Cu	0.15 kN
f0	14.4
Nref	20,000 rpm
Nlim	31,000 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.41 Hz
Characteristic rolling element frequency, BSF	5.28 Hz
Characteristic outer ring frequency, BPF0	4.08 Hz
Characteristic inner ring frequency, BPF1	5.92 Hz
da min	19 mm

6003.HVZZ Bearing 2D drawings and 3D CAD models



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da max	22.8 mm
Da max	33 mm
ra max	0.3 mm