



BEARING CORP.OF AMERICA

55 mm x 100 mm x 33.3 mm SNR 3211AC3 Double row angular contact ball bearings

Bearing No. 3211AC3

d	55 mm
D	100 mm
B	33.3 mm
d1	68.7 mm
D1	85.3 mm
a	49.9 mm
Contact angle	25 °
rs min	1.5 mm
Radial clearance class	C3
Precision class	P0
Mass	0.88 kg
Dynamic load, C	55.5 kN
Static load, C0	49.4 kN
Fatigue limit load, Cu	2.95 kN
f0	15
Nref	5,500 rpm
Nlim	6,400 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	5.56 Hz
Characteristic outer ring frequency, BPF0	4.21 Hz

3211AC3 Bearing 2D drawings and 3D CAD models



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Characteristic inner ring frequency, BPF1	5.79 Hz
da min	63 mm
Da max	92 mm
ra max	1.5 mm