



BEARING CORP.OF AMERICA

45 mm x 85 mm x 30.2 mm SNR 3209AC3
Double row angular contact ball bearings

Bearing No. 3209AC3

d	45 mm
D	85 mm
B	30.2 mm
d1	57.2 mm
D1	72.6 mm
a	43.2 mm
Contact angle	25 °
rs min	1.1 mm
Radial clearance class	C3
Precision class	P0
Mass	0.58 kg
Dynamic load, C	45.7 kN
Static load, C0	37.2 kN
Fatigue limit load, Cu	2.27 kN
f0	14.6
Nref	6,500 rpm
Nlim	7,500 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	5.04 Hz
Characteristic outer ring frequency, BPF0	3.72 Hz

3209AC3 Bearing 2D drawings and 3D CAD models



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Characteristic inner ring frequency, BPF1	5.28 Hz
da min	51.5 mm
Da max	78.5 mm
ra max	1 mm