



# BEARING CORP.OF AMERICA

20 mm x 47 mm x 20.6 mm SNR 3204AC3  
Double row angular contact ball bearings

Bearing No. 3204AC3

d	20 mm
D	47 mm
B	20.6 mm
d1	28.7 mm
D1	38.7 mm
a	24.1 mm
Contact angle	25 °
rs min	1 mm
Radial clearance class	C3
Precision class	P0
Mass	0.15 kg
Dynamic load, C	19.1 kN
Static load, C0	12.4 kN
Fatigue limit load, Cu	0.81 kN
f0	13.6
Nref	12,000 rpm
Nlim	15,000 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	4.03 Hz
Characteristic outer ring frequency, BPF0	3.14 Hz

3204AC3 Bearing 2D drawings and 3D CAD models



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Characteristic inner ring frequency, BPF1	4.86 Hz
da min	25 mm
Da max	42 mm
ra max	1 mm