



# BEARING CORP.OF AMERICA



3205B Bearing 2D drawings and 3D CAD models

25,000 mm x 52,000 mm x 20,600 mm SNR  
3205B Double row angular contact ball bearings

Bearing No. 3205B

Size	25x52x20.600 mm
Bore Diameter	25,000 mm
Outer Diameter	52,000 mm
Width	20,600 mm
d	25,000 mm
D	52,000 mm
B	20,600 mm
C	20,600 mm
d1	35.4 mm
D1	45.8 mm
a	35 mm
Contact angle	32 °
rs min	1 mm
Radial clearance class	CN
Precision class	P0
Mass	0.19 kg
Dynamic load, C	18.7 kN
Static load, C0	18.2 kN
Fatigue limit load, Cu	1.15 kN
f0	15
Nref	9,600 rpm
Nlim	13,000 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	120 ° C



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Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	5.33 Hz
Characteristic outer ring frequency, BPF0	5.91 Hz
Characteristic inner ring frequency, BPFI	8.09 Hz
da min	30 mm
Da max	47 mm
ra max	1 mm