



# SNR BEARING CORP.OF AMERICA

110 mm x 200 mm x 69.8 mm SNR  
23222.EAW33 Double row spherical roller  
bearings

Bearing No. 23222.EAW33

d	110 mm
D	200 mm
B	69.8 mm
d2	130.2 mm
D1	175.8 mm
rs min	2.1 mm
Number of lubrication holes	3
b	10.5 mm
k	5 mm
e	0.32
Y1	2.12
Y2	3.15
Y0	2.07
Radial clearance class	CN
Mass	9.25 kg
Dynamic load, C	752 kN
Static load, C0	869 kN
Fatigue limit load, Cu	63.9 kN
Nref	2,300 rpm
Nlim	3,000 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	200 ° C
Characteristic cage frequency, FTF	0.42 Hz

23222.EAW33 Bearing 2D drawings and 3D CAD  
models



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Characteristic rolling element frequency, BSF	6.25 Hz
Characteristic outer ring frequency, BPF0	7.62 Hz
Characteristic inner ring frequency, BPFI	10.38 Hz
da min	122 mm
Da max	188 mm
ra max	2 mm