



SNR BEARING CORP.OF AMERICA

120 mm x 215 mm x 76 mm SNR
23224.EMW33 Double row spherical roller
bearings

Bearing No. 23224.EMW33

d	120 mm
D	215 mm
B	76 mm
d2	139.9 mm
D1	189 mm
rs min	2.1 mm
Number of lubrication holes	3
b	11 mm
k	5 mm
e	0.32
Y1	2.09
Y2	3.11
Y0	2.04
Radial clearance class	CN
Mass	11.62 kg
Dynamic load, C	857 kN
Static load, C0	998 kN
Fatigue limit load, Cu	72.4 kN
Nref	2,100 rpm
Nlim	2,800 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	200 ° C
Characteristic cage frequency, FTF	0.42 Hz

23224.EMW33 Bearing 2D drawings and 3D CAD
models



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Characteristic rolling element frequency, BSF	6.24 Hz
Characteristic outer ring frequency, BPF0	7.62 Hz
Characteristic inner ring frequency, BPFI	10.38 Hz
da min	132 mm
Da max	203 mm
ra max	2 mm