



SNR BEARING CORP.OF AMERICA

220 mm x 370 mm x 150 mm SNR
24144.EMW33C3 Double row spherical roller
bearings

Bearing No. 24144.EMW33C3

d	220 mm
D	370 mm
B	150 mm
D1	320.3 mm
rs min	4 mm
Number of lubrication holes	3
b	15.9 mm
k	7 mm
e	0.39
Y1	1.74
Y2	2.59
Y0	1.7
Radial clearance class	C3
Mass	63.5 kg
Dynamic load, C	2,600 kN
Static load, C0	3,540 kN
Fatigue limit load, Cu	178 kN
Nref	850 rpm
Nlim	1,400 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	200 ° C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling	6.74 Hz

24144.EMW33C3 Bearing 2D drawings and 3D CAD models



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element frequency, BSF	
Characteristic outer ring frequency, BPF0	8.16 Hz
Characteristic inner ring frequency, BPF1	10.84 Hz
da min	237 mm
Da max	353 mm
ra max	3 mm