



# SNR BEARING CORP.OF AMERICA

200 mm x 340 mm x 140 mm SNR  
24140.EMK30W33 Double row spherical roller  
bearings

Bearing No. 24140.EMK30W33

d	200 mm
D	340 mm
B	140 mm
D1	291 mm
rs min	3 mm
Number of lubrication holes	3
b	17 mm
k	8 mm
e	0.39
Y1	1.74
Y2	2.59
Y0	1.7
Radial clearance class	CN
Mass	52.6 kg
Dynamic load, C	2,130 kN
Static load, C0	2,930 kN
Fatigue limit load, Cu	153 kN
Nref	1,000 rpm
Nlim	1,500 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	200 ° C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling	7.05 Hz

24140.EMK30W33 Bearing 2D drawings and 3D CAD  
models



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element frequency, BSF	
Characteristic outer ring frequency, BPF0	8.65 Hz
Characteristic inner ring frequency, BRFI	11.35 Hz
da min	214 mm
Da max	326 mm
ra max	2.5 mm