



# SNR BEARING CORP.OF AMERICA

280 mm x 500 mm x 176 mm SNR  
23256EMW33 Double row spherical roller  
bearings

Bearing No. 23256EMW33

d	280 mm
D	500 mm
B	176 mm
d2	346.7 mm
D1	443.6 mm
rs min	5 mm
Number of lubrication holes	8
b	29 mm
k	16 mm
e	0.33
Y1	2.03
Y2	3.02
Y0	1.98
Radial clearance class	CN
Mass	148 kg
Dynamic load, C	4,040 kN
Static load, C0	5,520 kN
Fatigue limit load, Cu	293 kN
Nref	650 rpm
Nlim	1,200 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	200 ° C
Characteristic cage frequency, FTF	0.43 Hz

23256EMW33 Bearing 2D drawings and 3D CAD  
models



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Characteristic rolling element frequency, BSF	6.64 Hz
Characteristic outer ring frequency, BPF0	8.13 Hz
Characteristic inner ring frequency, BPFI	10.87 Hz
da min	300 mm
Da max	480 mm
ra max	4 mm