



SNR BEARING CORP.OF AMERICA

300 mm x 500 mm x 200 mm SNR
24160EMK30W33 Double row spherical roller
bearings

Bearing No. 24160EMK30W33

d	300 mm
D	500 mm
B	200 mm
d2	350.9 mm
D1	430.5 mm
rs min	5 mm
Number of lubrication holes	8
b	34.8 mm
k	20 mm
e	0.38
Y1	1.76
Y2	2.62
Y0	1.72
Radial clearance class	CN
Mass	155 kg
Dynamic load, C	4,600 kN
Static load, C0	6,810 kN
Fatigue limit load, Cu	314 kN
Nref	510 rpm
Nlim	1,000 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	200 ° C
Characteristic cage frequency, FTF	0.43 Hz

24160EMK30W33 Bearing 2D drawings and 3D CAD
models



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Characteristic rolling element frequency, BSF	7.08 Hz
Characteristic outer ring frequency, BPF0	9.09 Hz
Characteristic inner ring frequency, BPFI	11.91 Hz
da min	320 mm
Da max	480 mm
ra max	4 mm