



# SNR BEARING CORP.OF AMERICA

180 mm x 300 mm x 118 mm SNR  
24136.EAK30W33C3 Double row spherical roller  
bearings

Bearing No. 24136.EAK30W33C3

d	180 mm
D	300 mm
B	118 mm
d2	200 mm
D1	260.4 mm
rs min	3 mm
Number of lubrication holes	3
b	14.1 mm
k	6 mm
e	0.38
Y1	1.78
Y2	2.66
Y0	1.74
Radial clearance class	C3
Mass	33.4 kg
Dynamic load, C	1,550 kN
Static load, C0	2,050 kN
Fatigue limit load, Cu	123 kN
Nref	1,200 rpm
Nlim	1,700 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	200 ° C
Characteristic cage frequency, FTF	0.43 Hz

24136.EAK30W33C3 Bearing 2D drawings and 3D CAD  
models



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Characteristic rolling element frequency, BSF	7.14 Hz
Characteristic outer ring frequency, BPF0	8.67 Hz
Characteristic inner ring frequency, BPFI	11.33 Hz
da min	194 mm
Da max	286 mm
ra max	2.5 mm