



# SNR BEARING CORP.OF AMERICA

100 mm x 150 mm x 50 mm SNR  
24020EAK30W33 Double row spherical roller  
bearings

Bearing No. 24020EAK30W33

d	100 mm
D	150 mm
B	50 mm
d2	111.1 mm
D1	135.3 mm
rs min	1.5 mm
Number of lubrication holes	3
b	6.1 mm
k	2.5 mm
e	0.29
Y1	2.35
Y2	3.5
Y0	2.3
Radial clearance class	CN
Mass	2.91 kg
Dynamic load, C	361 kN
Static load, C0	479 kN
Fatigue limit load, Cu	35.6 kN
Nref	3,000 rpm
Nlim	4,100 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	200 ° C
Characteristic cage frequency, FTF	0.45 Hz

24020EAK30W33 Bearing 2D drawings and 3D CAD  
models



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Characteristic rolling element frequency, BSF	9.31 Hz
Characteristic outer ring frequency, BPF0	10.75 Hz
Characteristic inner ring frequency, BPFI	13.25 Hz
da min	107 mm
Da max	143 mm
ra max	1.5 mm