



SNR BEARING CORP.OF AMERICA

110 mm x 170 mm x 60 mm SNR
24022EAK30W33C2 Double row spherical roller
bearings

Bearing No. 24022EAK30W33C2

d	110 mm
D	170 mm
B	60 mm
d2	120.5 mm
D1	151.6 mm
rs min	2 mm
Number of lubrication holes	3
b	7.2 mm
k	3 mm
e	0.31
Y1	2.15
Y2	3.2
Y0	2.1
Radial clearance class	C2
Mass	4.7 kg
Dynamic load, C	518 kN
Static load, C0	663 kN
Fatigue limit load, Cu	46.7 kN
Nref	2,800 rpm
Nlim	3,700 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	200 ° C
Characteristic cage frequency, FTF	0.44 Hz

24022EAK30W33C2 Bearing 2D drawings and 3D CAD
models



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Characteristic rolling element frequency, BSF	8.04 Hz
Characteristic outer ring frequency, BPF0	9.68 Hz
Characteristic inner ring frequency, BPFI	12.32 Hz
da min	118.8 mm
Da max	161.2 mm
ra max	2 mm