



## NTN bearing de Mexico, S.A.

220 mm x 460 mm x 145 mm SNR  
22344EMKW33C3 Double row spherical roller  
bearings

Bearing No. 22344EMKW33C3

d	220 mm
D	460 mm
B	145 mm
d2	294.3 mm
D1	399.8 mm
rs min	5 mm
Number of lubrication holes	8
b	22.4 mm
k	12 mm
Associated sleeve reference	H2344H
e	0.31
Y1	2.15
Y2	3.2
Y0	2.1
Radial clearance class	C3
Mass	114 kg
Dynamic load, C	3,270 kN
Static load, C0	3,680 kN
Fatigue limit load, Cu	263 kN
Nref	900 rpm
Nlim	1,400 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	200 ° C

22344EMKW33C3 Bearing 2D drawings and 3D CAD  
models



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Characteristic cage frequency, FTF	0.4 Hz
Characteristic rolling element frequency, BSF	4.91 Hz
Characteristic outer ring frequency, BPF0	6.06 Hz
Characteristic inner ring frequency, BPFI	8.94 Hz
da min	240 mm
db min	236 mm
Ce min	9 mm
Da max	440 mm
ra max	4 mm