



## NTN bearing de Mexico, S.A.

90 mm x 190 mm x 64 mm SNR  
22318.EMKW33C3 Double row spherical roller  
bearings

Bearing No. 22318.EMKW33C3

d	90 mm
D	190 mm
B	64 mm
d2	110.1 mm
D1	165.1 mm
rs min	3 mm
Number of lubrication holes	3
b	11.6 mm
k	5 mm
Associated sleeve reference	H2318
e	0.33
Y1	2.06
Y2	3.07
Y0	2.01
Radial clearance class	C3
Mass	8.38 kg
Dynamic load, C	668 kN
Static load, C0	652 kN
Fatigue limit load, Cu	58 kN
Nref	3,000 rpm
Nlim	3,500 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	200 ° C

22318.EMKW33C3 Bearing 2D drawings and 3D CAD  
models



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Characteristic cage frequency, FTF	0.4 Hz
Characteristic rolling element frequency, BSF	4.68 Hz
Characteristic outer ring frequency, BPF0	5.6 Hz
Characteristic inner ring frequency, BPGI	8.4 Hz
da min	104 mm
db min	100 mm
Ce min	7 mm
Da max	176 mm
ra max	2.5 mm