



# NTN BEARING MANUFACTURING DE MEXICO,S...

190 mm x 400 mm x 132 mm SNR  
22338.EMKW33 Double row spherical roller  
bearings

Bearing No. 22338.EMKW33

d	190 mm
D	400 mm
B	132 mm
d2	262.2 mm
D1	345.6 mm
rs min	5 mm
Number of lubrication holes	3
b	20.8 mm
k	10 mm
Associated sleeve reference	H2338
e	0.32
Y1	2.12
Y2	3.15
Y0	2.07
Radial clearance class	CN
Mass	79.87 kg
Dynamic load, C	2,600 kN
Static load, C0	3,120 kN
Fatigue limit load, Cu	209 kN
Nref	1,100 rpm
Nlim	1,600 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	200 ° C

22338.EMKW33 Bearing 2D drawings and 3D CAD  
models



## NTN BEARING MANUFACTURING DE MEXICO,S...

Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	5.62 Hz
Characteristic outer ring frequency, BPF0	7.06 Hz
Characteristic inner ring frequency, BRFI	9.94 Hz
da min	210 mm
db min	206 mm
Ce min	9 mm
Da max	380 mm
ra max	4 mm