



NTN BEARING USA CORP.

50 mm x 90 mm x 23 mm SNR 22210.EMW33 Double row spherical roller bearings

Bearing No. 22210.EMW33

d	50 mm
D	90 mm
B	23 mm
D1	80.7 mm
rs min	1.1 mm
Number of lubrication holes	3
b	5.8 mm
k	2.5 mm
e	0.24
Y1	2.84
Y2	4.23
Y0	2.78
Radial clearance class	CN
Mass	0.58 kg
Dynamic load, C	125 kN
Static load, C0	117 kN
Fatigue limit load, Cu	13.7 kN
Nref	6,700 rpm
Nlim	9,100 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	200 ° C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	6.34 Hz

22210.EMW33 Bearing 2D drawings and 3D CAD models



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Characteristic outer ring frequency, BPF0	7.21 Hz
Characteristic inner ring frequency, BRFI	9.79 Hz
da min	57 mm
Da max	83 mm
ra max	1 mm