



## BEARINGS(UK)LTD.

55 mm x 120 mm x 43 mm SNR 22311.EMW33  
Double row spherical roller bearings

Bearing No. 22311.EMW33

d	55 mm
D	120 mm
B	43 mm
d2	68.7 mm
D1	102.9 mm
rs min	2 mm
Number of lubrication holes	3
b	7.8 mm
k	3.5 mm
e	0.36
Y1	1.87
Y2	2.79
Y0	1.83
Radial clearance class	CN
Mass	2.34 kg
Dynamic load, C	296 kN
Static load, C0	274 kN
Fatigue limit load, Cu	25.4 kN
Nref	4,600 rpm
Nlim	5,600 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	200 ° C
Characteristic cage frequency, FTF	0.4 Hz

22311.EMW33 Bearing 2D drawings and 3D CAD models



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Characteristic rolling element frequency, BSF	4.7 Hz
Characteristic outer ring frequency, BPF0	5.61 Hz
Characteristic inner ring frequency, BPF1	8.39 Hz
da min	66 mm
Da max	109 mm
ra max	2 mm