



BEARINGS(UK)LTD.

95 mm x 170 mm x 43 mm SNR
22219.EMW33C3 Double row spherical roller
bearings

Bearing No. 22219.EMW33C3

d	95 mm
D	170 mm
B	43 mm
D1	152.8 mm
rs min	2.1 mm
Number of lubrication holes	3
b	9.9 mm
k	4.5 mm
e	0.23
Y1	2.95
Y2	4.4
Y0	2.89
Radial clearance class	C3
Mass	4.09 kg
Dynamic load, C	416 kN
Static load, C0	417 kN
Fatigue limit load, Cu	47.5 kN
Nref	3,800 rpm
Nlim	4,800 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	200 ° C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling	5.95 Hz

22219.EMW33C3 Bearing 2D drawings and 3D CAD models



BEARINGS(UK)LTD.

element frequency, BSF	
Characteristic outer ring frequency, BPF0	7.12 Hz
Characteristic inner ring frequency, BPF1	9.88 Hz
da min	107 mm
Da max	158 mm
ra max	2 mm