



## BEARINGS(UK)LTD.

100 mm x 180 mm x 46 mm SNR  
22220.EAW33C3 Double row spherical roller  
bearings

Bearing No. 22220.EAW33C3

d	100 mm
D	180 mm
B	46 mm
d2	118.2 mm
D1	160.8 mm
rs min	2.1 mm
Number of lubrication holes	3
b	11.2 mm
k	5 mm
e	0.24
Y1	2.84
Y2	4.23
Y0	2.78
Radial clearance class	C3
Mass	4.82 kg
Dynamic load, C	472 kN
Static load, C0	495 kN
Fatigue limit load, Cu	52.6 kN
Nref	3,600 rpm
Nlim	4,600 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	200 ° C
Characteristic cage frequency, FTF	0.42 Hz

22220.EAW33C3 Bearing 2D drawings and 3D CAD  
models



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Characteristic rolling element frequency, BSF	6.23 Hz
Characteristic outer ring frequency, BPF0	7.61 Hz
Characteristic inner ring frequency, BPFI	10.39 Hz
da min	112 mm
Da max	168 mm
ra max	2 mm