



SNR BEARING CORP.OF AMERICA

100 mm x 180 mm x 60.3 mm SNR
23220.EAW33C3 Double row spherical roller
bearings

Bearing No. 23220.EAW33C3

d	100 mm
D	180 mm
B	60.3 mm
d2	118.2 mm
D1	158.9 mm
rs min	2.1 mm
Number of lubrication holes	3
b	9.4 mm
k	4.5 mm
e	0.31
Y1	2.18
Y2	3.24
Y0	2.13
Radial clearance class	C3
Mass	6.4 kg
Dynamic load, C	586 kN
Static load, C0	661 kN
Fatigue limit load, Cu	52.7 kN
Nref	2,600 rpm
Nlim	3,300 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	200 ° C
Characteristic cage frequency, FTF	0.42 Hz

23220.EAW33C3 Bearing 2D drawings and 3D CAD
models



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Characteristic rolling element frequency, BSF	6.34 Hz
Characteristic outer ring frequency, BPF0	7.64 Hz
Characteristic inner ring frequency, BPFI	10.36 Hz
da min	112 mm
Da max	168 mm
ra max	2 mm