



## 90 mm x 190 mm x 64 mm e SNR 22318.EMW33 Double row spherical roller bearings

Bearing No. 22318.EMW33

d	90 mm
D	190 mm
B	64 mm
d2	110.1 mm
D1	165.1 mm
rs min	3 mm
Number of lubrication holes	3
b	11.6 mm
k	5 mm
e	0.33
Y1	2.06
Y2	3.07
Y0	2.01
Radial clearance class	CN
Mass	8.5 kg
Dynamic load, C	668 kN
Static load, C0	652 kN
Fatigue limit load, Cu	58 kN
Nref	3,000 rpm
Nlim	3,500 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	200 ° C
Characteristic cage frequency, FTF	0.4 Hz

22318.EMW33 Bearing 2D drawings and 3D CAD  
models



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Characteristic rolling element frequency, BSF	4.68 Hz
Characteristic outer ring frequency, BPF0	5.6 Hz
Characteristic inner ring frequency, BPFI	8.4 Hz
da min	104 mm
Da max	176 mm
ra max	2.5 mm