



USK BEARING COMPANY

90 mm x 190 mm x 64 mm SNR
22318EMW33C4 Double row spherical roller
bearings

Bearing No. 22318EMW33C4

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	C4
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

22318EMW33C4 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