



BEARING ITALIA S.P.A

190 mm x 290 mm x 75 mm SNR
23038EMW33C4 Double row spherical roller
bearings

Bearing No. 23038EMW33C4

d	190 mm
D	290 mm
B	75 mm
D1	265.1 mm
rs min	2.1 mm
Number of lubrication holes	3
b	13.2 mm
k	6 mm
e	0.22
Y1	3.01
Y2	4.48
Y0	2.94
Radial clearance class	C4
Mass	17.97 kg
Dynamic load, C	1,140 kN
Static load, C0	1,570 kN
Fatigue limit load, Cu	120 kN
Nref	1,900 rpm
Nlim	2,400 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	200 ° C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling	8.75 Hz

23038EMW33C4 Bearing 2D drawings and 3D CAD
models



BEARING ITALIA S.P.A

element frequency, BSF	
Characteristic outer ring frequency, BPF0	11.1 Hz
Characteristic inner ring frequency, BPF1	13.9 Hz
da min	200.2 mm
Da max	279.8 mm
ra max	2 mm