



NTN-SNR BEARING RULMENTI S.R.L.

90 mm x 160 mm x 52.4 mm SNR
23218EMW33C4 Double row spherical roller
bearings

Bearing No. 23218EMW33C4

d	90 mm
D	160 mm
B	52.4 mm
d2	104.3 mm
D1	141 mm
rs min	2 mm
Number of lubrication holes	3
b	8.9 mm
k	4 mm
e	0.3
Y1	2.25
Y2	3.34
Y0	2.2
Radial clearance class	C4
Mass	4.42 kg
Dynamic load, C	467 kN
Static load, C0	513 kN
Fatigue limit load, Cu	43.5 kN
Nref	2,900 rpm
Nlim	3,700 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	200 ° C
Characteristic cage frequency, FTF	0.42 Hz

23218EMW33C4 Bearing 2D drawings and 3D CAD
models



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Characteristic rolling element frequency, BSF	6.25 Hz
Characteristic outer ring frequency, BPF0	7.62 Hz
Characteristic inner ring frequency, BPFI	10.38 Hz
da min	101 mm
Da max	149 mm
ra max	2 mm