



## NTN-SNR BEARING RULMENTI S.R.L.

180 mm x 320 mm x 112 mm SNR  
23236.EMW33 Double row spherical roller  
bearings

Bearing No. 23236.EMW33

d	180 mm
D	320 mm
B	112 mm
d2	210 mm
D1	281.2 mm
rs min	4 mm
Number of lubrication holes	3
b	16.4 mm
k	8 mm
e	0.33
Y1	2.06
Y2	3.06
Y0	2.01
Radial clearance class	CN
Mass	37.8 kg
Dynamic load, C	1,800 kN
Static load, C0	2,270 kN
Fatigue limit load, Cu	142 kN
Nref	1,200 rpm
Nlim	1,900 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	200 ° C
Characteristic cage frequency, FTF	0.43 Hz

23236.EMW33 Bearing 2D drawings and 3D CAD  
models



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Characteristic rolling element frequency, BSF	6.43 Hz
Characteristic outer ring frequency, BPF0	8.09 Hz
Characteristic inner ring frequency, BPFI	10.91 Hz
da min	197 mm
Da max	303 mm
ra max	3 mm