



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

90 mm x 160 mm x 52.4 mm SNR  
23218.EMKW33C3 Double row spherical roller  
bearings

Bearing No. 23218.EMKW33C3

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
Associated sleeve reference	H2318
e	0.3
Y1	2.25
Y2	3.34
Y0	2.2
Radial clearance class	C3
Mass	4.21 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

23218.EMKW33C3 Bearing 2D drawings and 3D CAD  
models



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

Characteristic cage frequency, FTF	0.42 Hz
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
db min	100 mm
Ce min	18 mm
Da max	149 mm
ra max	2 mm