



## BEARING INDUSTRIA CUSCINETTI S.P.A.

220 mm x 370 mm x 120 mm SNR  
23144.EMKW33C4 Double row spherical roller  
bearings

Bearing No. 23144.EMKW33C4

d	220 mm
D	370 mm
B	120 mm
D1	327.9 mm
rs min	4 mm
Number of lubrication holes	3
b	19.1 mm
k	9 mm
Associated sleeve reference	H3144
e	0.3
Y1	2.28
Y2	3.39
Y0	2.23
Radial clearance class	C4
Mass	52.21 kg
Dynamic load, C	2,190 kN
Static load, C0	2,940 kN
Fatigue limit load, Cu	185 kN
Nref	1,200 rpm
Nlim	1,700 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	200 ° C
Characteristic cage frequency, FTF	0.43 Hz

23144.EMKW33C4 Bearing 2D drawings and 3D CAD  
models



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Characteristic rolling element frequency, BSF	7.16 Hz
Characteristic outer ring frequency, BPF0	9.09 Hz
Characteristic inner ring frequency, BPFI	11.91 Hz
da min	237 mm
Da max	353 mm
ra max	3 mm