



# USK BEARING COMPANY

180 mm x 380 mm x 126 mm SNR  
22336.EMW33C3 Double row spherical roller  
bearings

Bearing No. 22336.EMW33C3

d	180 mm
D	380 mm
B	126 mm
d2	241.8 mm
D1	328.2 mm
rs min	4 mm
Number of lubrication holes	3
b	20.9 mm
k	10 mm
e	0.32
Y1	2.09
Y2	3.11
Y0	2.04
Radial clearance class	C3
Mass	70.2 kg
Dynamic load, C	2,420 kN
Static load, C0	2,810 kN
Fatigue limit load, Cu	190 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	0.41 Hz

22336.EMW33C3 Bearing 2D drawings and 3D CAD  
models



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Characteristic rolling element frequency, BSF	5.31 Hz
Characteristic outer ring frequency, BPF0	6.57 Hz
Characteristic inner ring frequency, BPFI	9.43 Hz
da min	197 mm
Da max	363 mm
ra max	3 mm