



80 mm x 170 mm x 58 mm SNR
22316.EAW33C4 Double row spherical roller
bearings

Bearing No. 22316.EAW33C4

d	80 mm
D	170 mm
B	58 mm
d2	98.6 mm
D1	147.4 mm
rs min	2.1 mm
Number of lubrication holes	3
b	10.5 mm
k	5 mm
e	0.34
Y1	2
Y2	2.98
Y0	1.96
Radial clearance class	C4
Mass	6.03 kg
Dynamic load, C	541 kN
Static load, C0	522 kN
Fatigue limit load, Cu	47.3 kN
Nref	3,400 rpm
Nlim	3,900 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	200 ° C
Characteristic cage frequency, FTF	0.4 Hz

22316.EAW33C4 Bearing 2D drawings and 3D CAD
models



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Characteristic rolling element frequency, BSF	4.74 Hz
Characteristic outer ring frequency, BPF0	5.62 Hz
Characteristic inner ring frequency, BPFI	8.38 Hz
da min	92 mm
Da max	158 mm
ra max	2 mm