



BEARINGS(UK)LTD.

80 mm x 140 mm x 33 mm SNR
22216EAW33ZZ Double row spherical roller
bearings

Bearing No. 22216EAW33ZZ

d	80 mm
D	140 mm
B	33 mm
d2	94 mm
D1	127 mm
rs min	2 mm
Number of lubrication holes	3
b	7.87 mm
k	3.5 mm
e	0.22
Y1	3.14
Y2	4.67
Y0	3.07
Radial clearance class	CN
Mass	2.15 kg
Dynamic load, C	278 kN
Static load, C0	287 kN
Fatigue limit load, Cu	33.4 kN
Nref	4,300 rpm
Nlim	5,800 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	200 ° C
Characteristic cage frequency, FTF	0.43 Hz

22216EAW33ZZ Bearing 2D drawings and 3D CAD
models



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Characteristic rolling element frequency, BSF	6.68 Hz
Characteristic outer ring frequency, BPF0	8.12 Hz
Characteristic inner ring frequency, BPFI	10.88 Hz
da min	91 mm
Da max	129 mm
ra max	2 mm