



BEARINGS(UK)LTD.

80 mm x 140 mm x 33 mm SNR
22216EAKW33ZZ Double row spherical roller
bearings

Bearing No. 22216EAKW33ZZ

d	80 mm
D	140 mm
B	33 mm
d2	94.9 mm
D1	126.7 mm
rs min	2 mm
Number of lubrication holes	3
b	7.87 mm
k	3.5 mm
Associated sleeve reference	H316
e	0.22
Y1	3.14
Y2	4.67
Y0	3.07
Radial clearance class	CN
Mass	2.1 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

22216EAKW33ZZ Bearing 2D drawings and 3D CAD
models



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Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	6.68 Hz
Characteristic outer ring frequency, BPF0	8.12 Hz
Characteristic inner ring frequency, BRFI	10.88 Hz
da min	91 mm
Da max	129 mm
ra max	2 mm