



USK BEARING COMPANY

95 mm x 200 mm x 67 mm SNR
22319EAKW33C4 Double row spherical roller
bearings

Bearing No. 22319EAKW33C4

d	95 mm
D	200 mm
B	67 mm
d2	120 mm
D1	174 mm
rs min	3 mm
Number of lubrication holes	3
b	12.1 mm
k	6 mm
Associated sleeve reference	H2319
e	0.32
Y1	2.09
Y2	3.11
Y0	2.04
Radial clearance class	C4
Mass	9.61 kg
Dynamic load, C	732 kN
Static load, C0	750 kN
Fatigue limit load, Cu	62.8 kN
Nref	2,800 rpm
Nlim	3,300 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	200 ° C

22319EAKW33C4 Bearing 2D drawings and 3D CAD
models



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Characteristic cage frequency, FTF	0.41 Hz
Characteristic rolling element frequency, BSF	5.1 Hz
Characteristic outer ring frequency, BPF0	6.11 Hz
Characteristic inner ring frequency, BPFI	8.89 Hz
da min	109 mm
db min	105 mm
Ce min	7 mm
Da max	186 mm
ra max	2.5 mm