



NTN BEARING USA CORP.

35 mm x 72 mm x 23 mm SNR
22207EMKW33C4 Double row spherical roller
bearings

Bearing No. 22207EMKW33C4

d	35 mm
D	72 mm
B	23 mm
D1	63 mm
rs min	1.1 mm
Number of lubrication holes	3
b	4.9 mm
k	2 mm
Associated sleeve reference	H307
e	0.31
Y1	2.21
Y2	3.29
Y0	2.16
Radial clearance class	C4
Mass	0.43 kg
Dynamic load, C	100 kN
Static load, C0	92 kN
Fatigue limit load, Cu	8.65 kN
Nref	9,500 rpm
Nlim	12,000 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	200 ° C
Characteristic cage frequency, FTF	0.42 Hz

22207EMKW33C4 Bearing 2D drawings and 3D CAD
models



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Characteristic rolling element frequency, BSF	5.75 Hz
Characteristic outer ring frequency, BPF0	6.68 Hz
Characteristic inner ring frequency, BPFI	9.32 Hz
da min	42 mm
Da max	65 mm
ra max	1 mm