



NTN BEARING USA CORP.

70 mm x 125 mm x 31 mm SNR 22214EAC3 Double row spherical roller bearings

Bearing No. 22214EAC3

d	70 mm
D	125 mm
B	31 mm
d2	84.1 mm
D1	112.7 mm
rs min	1.5 mm
e	0.22
Y1	3.01
Y2	4.48
Y0	2.94
Radial clearance class	C3
Mass	1.63 kg
Dynamic load, C	235 kN
Static load, C0	240 kN
Fatigue limit load, Cu	28.8 kN
Nref	4,900 rpm
Nlim	6,500 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	200 ° C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	6.57 Hz
Characteristic outer ring frequency, BPF0	8.1 Hz

22214EAC3 Bearing 2D drawings and 3D CAD models



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Characteristic inner ring frequency, BPFI	10.9 Hz
da min	79 mm
da max	84.1 mm
Da max	116 mm
ra max	1.5 mm