



65 mm x 120 mm x 23 mm SNR 7213CG1UJ74
angular contact ball bearings

Bearing No. 7213CG1UJ74

7213CG1UJ74 Bearing 2D drawings and 3D CAD
models

Size	65x120x23 mm
Bore Diameter	65 mm
Outer Diameter	120 mm
Width	23 mm
d	65 mm
D	120 mm
B	23 mm
C	23 mm
Angle (°)	15 °
d1	82.8 mm
D1	102.3 mm
D2	109.98 mm
a	24 mm
Contact angle	15 °
rs min	1.5 mm
r1s min	1.1 mm
f0	14.79
Precision class	P4
Mass	1.14 kg
Dynamic load, C	69.8 kN
Static load, C0	57.6 kN
Fatigue limit load, Cu	3.1 kN
Nlim (oil)	18,000 rpm
Nlim (grease)	11,500 rpm
Axial displacement K Factor	1.09



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Preload level	7
Preload value	0.37 kN
Axial rigidity	95 N/ μ m
Radial rigidity	545 N/ μ m
Min operating temperature, Tmin	-30 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	5.67 Hz
Characteristic outer ring frequency, BPF0	6.67 Hz
Characteristic inner ring frequency, BRFI	9.33 Hz
da min	73.5 mm
db min	73.5 mm
Da max	111.5 mm
Db max	111.5 mm
r1a max	1 mm
ra max	1.5 mm
D6	88.3 mm