



## BEARINGS(UK)LTD.

60 mm x 110 mm x 22 mm SNR 7212CG1UJ84  
High precision angular contact ball bearings

Bearing No. 7212CG1UJ84

d	60 mm
D	110 mm
B	22 mm
d1	76 mm
D1	95.5 mm
D2	103.05 mm
a	22 mm
Contact angle	15 °
rs min	1.5 mm
r1s min	1 mm
f0	14.47
Precision class	P4
Mass	0.81 kg
Dynamic load, C	67.1 kN
Static load, C0	52.8 kN
Fatigue limit load, Cu	2.8 kN
Nlim (oil)	19,500 rpm
Nlim (grease)	12,500 rpm
Axial displacement K Factor	1.14
Preload level	8
Preload value	1 kN
Axial rigidity	145 N/ μ m
Radial rigidity	707 N/ μ m
Min operating temperature, Tmin	-30 ° C
Max operating temperature,	120 ° C

7212CG1UJ84 Bearing 2D drawings and 3D CAD models



## BEARINGS(UK)LTD.

Tmax	
Characteristic cage frequency, FTF	0.41 Hz
Characteristic rolling element frequency, BSF	5.23 Hz
Characteristic outer ring frequency, BPF0	6.16 Hz
Characteristic inner ring frequency, BRFI	8.84 Hz
da min	68.5 mm
db min	68.5 mm
Da max	101.5 mm
Db max	101.5 mm
r1a max	1 mm
ra max	1.5 mm
D6	81.5 mm