



BEARINGS(UK)LTD.

85 mm x 120 mm x 18 mm NTN
7917UCG/GNP42U3G High precision angular
contact ball bearings

Bearing No. 7917UCG/GNP42U3G

d	85 mm
D	120 mm
B	18 mm
d1	96.9 mm
d2	94.3 mm
D1	108.1 mm
D2	113.5 mm
a	22.8 mm
Contact angle	15 °
rs min	1.1 mm
r1s min	0.6 mm
f0	16.5
Precision class	P42
Mass	0.54 kg
Dynamic load, C	41 kN
Static load, C0	44 kN
Nlim (oil)	18,300 rpm
Nlim (grease)	11,400 rpm
Preload level	GN
Preload value	0.245 kN
Axial rigidity	101 N/ μ m
Radial rigidity	580 N/ μ m
Min operating temperature, Tmin	-20 ° C
Max operating temperature,	120 ° C

7917UCG/GNP42U3G Bearing 2D drawings and 3D
CAD models



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Tmax	
Characteristic cage frequency, FTF	0.45 Hz
Characteristic rolling element frequency, BSF	9.84 Hz
Characteristic outer ring frequency, BPF0	11.74 Hz
Characteristic inner ring frequency, BRFI	14.26 Hz
da min	92 mm
Da max	113 mm
Db max	115.5 mm
r1a max	0.6 mm
ra max	1 mm
D6	97.4 mm