



BEARINGS(UK)LTD.

30 mm x 55 mm x 13 mm NTN
7006UCG/GNP42U3G High precision angular
contact ball bearings

Bearing No. 7006UCG/GNP42U3G

d	30 mm
D	55 mm
B	13 mm
d1	39.2 mm
d2	37.3 mm
D1	46.9 mm
D2	50.7 mm
a	12.3 mm
Contact angle	15 °
rs min	1 mm
r1s min	0.6 mm
f0	14.9
Precision class	P42
Mass	0.11 kg
Dynamic load, C	15.8 kN
Static load, C0	11 kN
Nlim (oil)	43,600 rpm
Nlim (grease)	27,200 rpm
Preload level	GN
Preload value	0.098 kN
Axial rigidity	48 N/ μ m
Radial rigidity	261.4 N/ μ m
Min operating temperature, Tmin	-20 ° C
Max operating temperature,	120 ° C

7006UCG/GNP42U3G Bearing 2D drawings and 3D
CAD models



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Tmax	
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	5.86 Hz
Characteristic outer ring frequency, BPF0	6.3 Hz
Characteristic inner ring frequency, BRFI	8.7 Hz
da min	35.5 mm
Da max	49.5 mm
Db max	50.5 mm
r1a max	0.6 mm
ra max	1 mm
D6	39.6 mm