



## BEARINGS(UK)LTD.



7000UCG/GNP42 Bearing 2D drawings and 3D CAD models

10 mm x 26 mm x 8 mm NTN  
7000UCG/GNP42 High precision angular contact  
ball bearings

Bearing No. 7000UCG/GNP42

Size	10x26x8 mm
Bore Diameter	10 mm
Outer Diameter	26 mm
Width	8 mm
d	10 mm
D	26 mm
B	8 mm
C	8 mm
Angle ( ° )	15 °
d1	15.2 mm
d2	14 mm
D1	20.4 mm
D2	22.9 mm
a	6.4 mm
Contact angle	15 °
rs min	0.3 mm
r1s min	0.15 mm
f0	12.6
Precision class	P42
Mass	0.02 kg
Dynamic load, C	5.3 kN
Static load, C0	2.48 kN
Nlim (oil)	105,300 rpm
Nlim (grease)	65,800 rpm
Preload level	GN



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Preload value	0.029 kN
Axial rigidity	20.3 N/ $\mu$ m
Radial rigidity	108.5 N/ $\mu$ m
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.37 Hz
Characteristic rolling element frequency, BSF	3.49 Hz
Characteristic outer ring frequency, BPF0	3.34 Hz
Characteristic inner ring frequency, BRFI	5.66 Hz
da min	12.5 mm
Da max	23.5 mm
Db max	24.8 mm
r1a max	0.15 mm
ra max	0.3 mm
D6	15.4 mm