



## BEARINGS(UK)LTD.

15 mm x 28 mm x 7 mm NTN  
7902UCG/GNP42U3G High precision angular  
contact ball bearings

Bearing No. 7902UCG/GNP42U3G

d	15 mm
D	28 mm
B	7 mm
d1	19.3 mm
d2	18.3 mm
D1	23.7 mm
D2	25.8 mm
a	6.4 mm
Contact angle	15 °
rs min	0.3 mm
r1s min	0.15 mm
f0	14.4
Precision class	P42
Mass	0.02 kg
Dynamic load, C	5.1 kN
Static load, C0	2.9 kN
Nlim (oil)	87,200 rpm
Nlim (grease)	54,500 rpm
Preload level	GN
Preload value	0.029 kN
Axial rigidity	24.5 N/ μ m
Radial rigidity	131.1 N/ μ m
Min operating temperature, Tmin	-20 ° C
Max operating temperature,	120 ° C

7902UCG/GNP42U3G Bearing 2D drawings and 3D  
CAD models



## BEARINGS(UK)LTD.

Tmax	
Characteristic cage frequency, FTF	0.41 Hz
Characteristic rolling element frequency, BSF	5.2 Hz
Characteristic outer ring frequency, BPF0	5.33 Hz
Characteristic inner ring frequency, BRFI	7.67 Hz
da min	17.5 mm
Da max	25.5 mm
Db max	26.8 mm
r1a max	0.15 mm
ra max	0.3 mm
D6	19.5 mm