



## BEARINGS(UK)LTD.

110 mm x 150 mm x 20 mm NTN  
7922UADG/GNP42U3G High precision angular  
contact ball bearings

Bearing No. 7922UADG/GNP42U3G

d	110 mm
D	150 mm
B	20 mm
d1	123.6 mm
d2	120.5 mm
D1	136.4 mm
D2	142.6 mm
a	40.4 mm
Contact angle	25 °
rs min	1.1 mm
r1s min	0.6 mm
f0	16.8
Precision class	P42
Mass	0.87 kg
Dynamic load, C	52.5 kN
Static load, C0	61 kN
Nlim (oil)	12,600 rpm
Nlim (grease)	7,800 rpm
Preload level	GN
Preload value	0.53 kN
Axial rigidity	290.3 N/ μ m
Radial rigidity	625 N/ μ m
Min operating temperature, Tmin	-20 ° C
Max operating temperature,	120 ° C

7922UADG/GNP42U3G Bearing 2D drawings and 3D  
CAD models



## BEARINGS(UK)LTD.

Tmax	
Characteristic cage frequency, FTF	0.46 Hz
Characteristic rolling element frequency, BSF	10.85 Hz
Characteristic outer ring frequency, BPF0	13.3 Hz
Characteristic inner ring frequency, BRFI	15.7 Hz
da min	117 mm
Da max	143 mm
Db max	145.5 mm
r1a max	0.6 mm
ra max	1 mm
D6	123.9 mm