



BEARINGS(UK)LTD.

35 mm x 55 mm x 10 mm NTN
7907UADG/GLP42U3G High precision angular
contact ball bearings

Bearing No. 7907UADG/GLP42U3G

d	35 mm
D	55 mm
B	10 mm
d1	41.6 mm
d2	39.9 mm
D1	48.4 mm
D2	51.7 mm
a	15.6 mm
Contact angle	25 °
rs min	0.6 mm
r1s min	0.3 mm
f0	15.7
Precision class	P42
Mass	0.07 kg
Dynamic load, C	13 kN
Static load, C0	9.75 kN
Nlim (oil)	36,400 rpm
Nlim (grease)	22,600 rpm
Preload level	GL
Preload value	0.039 kN
Axial rigidity	67.4 N/ μ m
Radial rigidity	148.9 N/ μ m
Min operating temperature, Tmin	-20 ° C
Max operating temperature,	120 ° C

7907UADG/GLP42U3G Bearing 2D drawings and 3D
CAD models



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Tmax	
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	6.98 Hz
Characteristic outer ring frequency, BPF0	7.41 Hz
Characteristic inner ring frequency, BRFI	9.59 Hz
da min	39.5 mm
Da max	50.5 mm
Db max	52.5 mm
r1a max	0.3 mm
ra max	0.6 mm
D6	41.5 mm