



NTN 7910UADG/GNP42U3G Angular Contact Ball Bearings

Bearing No. 7910UADG/GNP42U3G

d	50 mm
D	72 mm
B	12 mm
d1	57.2 mm
d2	55.3 mm
D1	64.9 mm
D2	68.5 mm
a	20.3 mm
Contact angle	25 °
rs min	0.6 mm
r1s min	0.3 mm
f0	16.3
Precision class	P42
Mass	0.13 kg
Dynamic load, C	17.9 kN
Static load, C0	15.8 kN
Nlim (oil)	26,900 rpm
Nlim (grease)	16,600 rpm
Preload level	GN
Preload value	0.177 kN
Axial rigidity	138.4 N/ μ m
Radial rigidity	293.8 N/ μ m
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C

7910UADG/GNP42U3G Bearing 2D drawings and 3D
CAD models



Hmg Industriebedarf GmbH

Characteristic cage frequency, FTF	0.45 Hz
Characteristic rolling element frequency, BSF	8.45 Hz
Characteristic outer ring frequency, BPF0	9.39 Hz
Characteristic inner ring frequency, BRFI	11.61 Hz
da min	54.5 mm
Da max	67.5 mm
Db max	69.5 mm
r1a max	0.3 mm
ra max	0.6 mm
D6	57.3 mm