



Icuc Corporation Japan

SNR 7202.C.G1.UJ74 Super Precision Bearings

Bearing No. 7202.C.G1.UJ74

d	15 mm
D	35 mm
B	11 mm
d1	21.08 mm
D1	29.02 mm
D2	31.71 mm
a	9 mm
Contact angle	15 °
rs min	0.6 mm
r1s min	0.3 mm
f0	12.92
Precision class	P4
Mass	0.04 kg
Dynamic load, C	9 kN
Static load, C0	4.85 kN
Fatigue limit load, Cu	0.28 kN
Nlim (oil)	66,000 rpm
Nlim (grease)	42,000 rpm
Axial displacement K Factor	2.12
Preload level	7
Preload value	0.045 kN
Axial rigidity	25 N/ μ m
Radial rigidity	144 N/ μ m
Min operating temperature, Tmin	-30 ° C
Max operating temperature, Tmax	120 ° C

7202.C.G1.UJ74 Bearing 2D drawings and 3D CAD models



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Characteristic cage frequency, FTF	0.39 Hz
Characteristic rolling element frequency, BSF	4.02 Hz
Characteristic outer ring frequency, BPF0	4.25 Hz
Characteristic inner ring frequency, BRFI	6.75 Hz
da min	19.5 mm
db min	19.5 mm
Da max	30.5 mm
Db max	30.5 mm
r1a max	0.3 mm
ra max	0.6 mm
D6	23.4 mm