



Icuc Corporation Japan

SNR 7007.CV.U.J74 PRECISION BALL BEARINGS

Bearing No. 7007.CV.U.J74

d	35 mm
D	62 mm
B	14 mm
d1	43.2 mm
D1	53.1 mm
D2	57.47 mm
a	13 mm
Contact angle	15 °
rs min	1 mm
r1s min	0.6 mm
f0	14.97
Precision class	P4
Mass	0.15 kg
Dynamic load, C	19.9 kN
Static load, C0	14.6 kN
Fatigue limit load, Cu	0.81 kN
Nlim (oil)	36,000 rpm
Nlim (grease)	24,000 rpm
Axial displacement K Factor	1.43
Preload level	7
Preload value	0.1 kN
Axial rigidity	49 N/ μ m
Radial rigidity	278 N/ μ m
Min operating temperature, Tmin	-30 ° C
Max operating temperature,	120 ° C

7007.CV.U.J74 Bearing 2D drawings and 3D CAD models



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Tmax	
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	5.96 Hz
Characteristic outer ring frequency, BPF0	6.74 Hz
Characteristic inner ring frequency, BRFI	9.26 Hz
da min	40.5 mm
db min	40.5 mm
Da max	56.5 mm
Db max	56.5 mm
r1a max	0.6 mm
ra max	1 mm
D6	46.1 mm