



Icuc Corporation Japan

SNR 7034.HV.U.J74 super-precision Angular contact ball bearings

Bearing No. 7034.HV.U.J74

d	170 mm
D	260 mm
B	42 mm
d1	199.8 mm
D1	230.22 mm
D2	243.56 mm
a	71 mm
Contact angle	25 °
rs min	2.1 mm
r1s min	1.1 mm
f0	16.23
Precision class	P4
Mass	6.98 kg
Dynamic load, C	187 kN
Static load, C0	218 kN
Fatigue limit load, Cu	8.3 kN
Nlim (oil)	7,400 rpm
Nlim (grease)	4,900 rpm
Axial displacement K Factor	0.35
Preload level	7
Preload value	2.45 kN
Axial rigidity	550 N/ μ m
Radial rigidity	1,160 N/ μ m
Min operating temperature, Tmin	-30 ° C
Max operating temperature,	120 ° C

7034.HV.U.J74 Bearing 2D drawings and 3D CAD models



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Tmax	
Characteristic cage frequency, FTF	0.45 Hz
Characteristic rolling element frequency, BSF	8.37 Hz
Characteristic outer ring frequency, BPF0	10.27 Hz
Characteristic inner ring frequency, BRFI	12.73 Hz
da min	182 mm
db min	182 mm
Da max	248 mm
Db max	248 mm
r1a max	1 mm
ra max	2 mm
D6	206.4 mm