



# Icuc Corporation Japan

## SNR 71904.HV.U.J74 Precision Ball Bearings

Bearing No. 71904.HV.U.J74

d	20 mm
D	37 mm
B	9 mm
d1	25.1 mm
D1	31.9 mm
D2	34.02 mm
a	11 mm
Contact angle	25 °
rs min	0.3 mm
r1s min	0.3 mm
f0	14.27
Precision class	P4
Mass	0.04 kg
Dynamic load, C	6.9 kN
Static load, C0	4.4 kN
Fatigue limit load, Cu	0.27 kN
Nlim (oil)	56,000 rpm
Nlim (grease)	37,000 rpm
Axial displacement K Factor	0.88
Preload level	7
Preload value	0.055 kN
Axial rigidity	62 N/ μ m
Radial rigidity	132 N/ μ m
Min operating temperature, Tmin	-30 ° C
Max operating temperature, Tmax	120 ° C

71904.HV.U.J74 Bearing 2D drawings and 3D CAD models



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Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	5.85 Hz
Characteristic outer ring frequency, BPF0	6.36 Hz
Characteristic inner ring frequency, BRFI	8.64 Hz
da min	22.5 mm
db min	22.5 mm
Da max	34.5 mm
Db max	34.5 mm
r1a max	0.3 mm
ra max	0.3 mm
D6	26.9 mm