



# Icuc Corporation Japan

## SNR 71902.HV.U.J74 super-precision Angular contact ball bearings

Bearing No. 71902.HV.U.J74

d	15 mm
D	28 mm
B	7 mm
d1	18.7 mm
D1	24.3 mm
D2	25.92 mm
a	9 mm
Contact angle	25 °
rs min	0.3 mm
r1s min	0.3 mm
f0	12.57
Precision class	P4
Mass	0.02 kg
Dynamic load, C	4.25 kN
Static load, C0	2.33 kN
Fatigue limit load, Cu	0.15 kN
Nlim (oil)	74,000 rpm
Nlim (grease)	49,000 rpm
Axial displacement K Factor	1.04
Preload level	7
Preload value	0.035 kN
Axial rigidity	44 N/ μ m
Radial rigidity	94 N/ μ m
Min operating temperature, Tmin	-30 ° C
Max operating temperature,	120 ° C

71902.HV.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	5.26 Hz
Characteristic outer ring frequency, BPF0	5.41 Hz
Characteristic inner ring frequency, BRFI	7.59 Hz
da min	17.5 mm
db min	17.5 mm
Da max	25.5 mm
Db max	25.5 mm
r1a max	0.3 mm
ra max	0.3 mm
D6	20.2 mm