



Icuc Corporation Japan

SNR 71911.HV.U.J74 Precision Ball Bearings

Bearing No. 71911.HV.U.J74

d	55 mm
D	80 mm
B	13 mm
d1	63.1 mm
D1	71.9 mm
D2	75.19 mm
a	22 mm
Contact angle	25 °
rs min	1 mm
r1s min	0.3 mm
f0	16.5
Precision class	P4
Mass	0.18 kg
Dynamic load, C	17.2 kN
Static load, C0	16 kN
Fatigue limit load, Cu	0.91 kN
Nlim (oil)	24,000 rpm
Nlim (grease)	15,500 rpm
Axial displacement K Factor	0.59
Preload level	7
Preload value	0.15 kN
Axial rigidity	128 N/ μ m
Radial rigidity	275 N/ μ m
Min operating temperature, Tmin	-30 ° C
Max operating temperature, Tmax	120 ° C

71911.HV.U.J74 Bearing 2D drawings and 3D CAD models



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Characteristic cage frequency, FTF	0.45 Hz
Characteristic rolling element frequency, BSF	9.36 Hz
Characteristic outer ring frequency, BPF0	9.49 Hz
Characteristic inner ring frequency, BRFI	11.51 Hz
da min	60.5 mm
db min	60.5 mm
Da max	74.5 mm
Db max	74.5 mm
r1a max	0.3 mm
ra max	1 mm
D6	65.4 mm