



# Icuc Corporation Japan

## SNR 7218.H.G1.UJ74 High precision angular contact ball bearings

Bearing No. 7218.H.G1.UJ74

d	90 mm
D	160 mm
B	30 mm
d1	113.9 mm
D1	136.4 mm
D2	149.7 mm
a	44 mm
Contact angle	25 °
rs min	2 mm
r1s min	1 mm
f0	14.9
Precision class	P4
Mass	2.24 kg
Dynamic load, C	116 kN
Static load, C0	100 kN
Fatigue limit load, Cu	4.95 kN
Nlim (oil)	11,500 rpm
Nlim (grease)	7,600 rpm
Axial displacement K Factor	0.5
Preload level	7
Preload value	1.16 kN
Axial rigidity	302 N/ μ m
Radial rigidity	642 N/ μ m
Min operating temperature, Tmin	-30 ° C
Max operating temperature,	120 ° C

7218.H.G1.UJ74 Bearing 2D drawings and 3D CAD models



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Tmax	
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	5.48 Hz
Characteristic outer ring frequency, BPF0	6.29 Hz
Characteristic inner ring frequency, BRFI	8.71 Hz
da min	100 mm
db min	100 mm
Da max	150 mm
Db max	150 mm
r1a max	1 mm
ra max	2 mm
D6	117.2 mm