



# Icuc Corporation Japan

## SNR 7005HVUJX4A PRECISION BALL BEARINGS

Bearing No. 7005HVUJX4A

d	25 mm
D	47 mm
B	12 mm
d1	32.2 mm
D1	40.05 mm
D2	43.05 mm
a	14 mm
Contact angle	25 °
rs min	0.6 mm
r1s min	0.3 mm
f0	14.93
Precision class	P4
Mass	0.08 kg
Dynamic load, C	12.2 kN
Static load, C0	8.2 kN
Fatigue limit load, Cu	0.48 kN
Nlim (oil)	44,000 rpm
Nlim (grease)	29,000 rpm
Axial displacement K Factor	0
Preload level	X
Axial rigidity	0 N/ μ m
Radial rigidity	0 N/ μ m
Min operating temperature, Tmin	-30 ° C
Max operating temperature, Tmax	120 ° C

7005HVUJX4A Bearing 2D drawings and 3D CAD models



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Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	5.52 Hz
Characteristic outer ring frequency, BPF0	6.3 Hz
Characteristic inner ring frequency, BRFI	8.7 Hz
da min	29.5 mm
db min	29.5 mm
Da max	42.5 mm
Db max	42.5 mm
r1a max	0.3 mm
ra max	0.6 mm
D6	34.3 mm