



Icuc Corporation Japan

SNR 10R71915HVUJ74 Super Precision Bearings

Bearing No. 10R71915HVUJ74

d	75 mm
D	105 mm
B	16 mm
d1	84.7 mm
D1	95.3 mm
D2	100.14 mm
a	29 mm
Contact angle	25 °
rs min	0.6 mm
r1s min	0.3 mm
f0	16.69
Precision class	P4
Mass	0.35 kg
Dynamic load, C	27.2 kN
Static load, C0	28.8 kN
Fatigue limit load, Cu	1.66 kN
Nlim (oil)	18,000 rpm
Nlim (grease)	11,500 rpm
Axial displacement K Factor	0.49
Preload level	7
Preload value	0.23 kN
Axial rigidity	177 N/ μ m
Radial rigidity	381 N/ μ m
Min operating temperature, Tmin	-30 ° C
Max operating temperature,	120 ° C

10R71915HVUJ74 Bearing 2D drawings and 3D CAD models



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Tmax	
Characteristic cage frequency, FTF	0.46 Hz
Characteristic rolling element frequency, BSF	10.23 Hz
Characteristic outer ring frequency, BPF0	11.4 Hz
Characteristic inner ring frequency, BRFI	13.6 Hz
da min	79.5 mm
db min	79.5 mm
Da max	100.5 mm
Db max	100.5 mm
r1a max	0.3 mm
ra max	0.6 mm
D6	87.5 mm