



Icuc Corporation Japan

SNR 10R71918HVUJ84 super-precision Angular contact ball bearings

Bearing No. 10R71918HVUJ84

d	90 mm
D	125 mm
B	18 mm
d1	101.2 mm
D1	113.75 mm
D2	119.24 mm
a	34 mm
Contact angle	25 °
rs min	0.6 mm
r1s min	0.6 mm
f0	16.71
Precision class	P4
Mass	0.56 kg
Dynamic load, C	37.9 kN
Static load, C0	41.9 kN
Fatigue limit load, Cu	2.29 kN
Nlim (oil)	15,000 rpm
Nlim (grease)	9,800 rpm
Axial displacement K Factor	0.45
Preload level	8
Preload value	0.97 kN
Axial rigidity	326 N/ μ m
Radial rigidity	662 N/ μ m
Min operating temperature, Tmin	-30 ° C
Max operating temperature,	120 ° C

10R71918HVUJ84 Bearing 2D drawings and 3D CAD models



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Tmax	
Characteristic cage frequency, FTF	0.46 Hz
Characteristic rolling element frequency, BSF	10.34 Hz
Characteristic outer ring frequency, BPF0	11.87 Hz
Characteristic inner ring frequency, BRFI	14.13 Hz
da min	94.5 mm
db min	94.5 mm
Da max	120.5 mm
Db max	120.5 mm
r1a max	0.6 mm
ra max	0.6 mm
D6	104.5 mm