



Icuc Corporation Japan

SNR ML71901HVUJ84S Precision Ball Bearings

Bearing No. ML71901HVUJ84S

d	12 mm
D	24 mm
B	6 mm
d1	15.4 mm
d2	14.5 mm
D1	20.05 mm
D2	20.75 mm
a	7 mm
Contact angle	25 °
rs min	0.3 mm
r1s min	0.3 mm
f0	8.01
Precision class	P4S
Mass	0.01 kg
Dynamic load, C	1.41 kN
Static load, C0	0.62 kN
Fatigue limit load, Cu	0.07 kN
Nlim (oil)	108,000 rpm
Nlim (grease)	75,000 rpm
Axial displacement K Factor	1.21
Preload level	8
Preload value	0.035 kN
Axial rigidity	39 N/ μ m
Radial rigidity	82 N/ μ m
Min operating temperature, Tmin	-30 ° C
Max operating temperature,	120 ° C

ML71901HVUJ84S Bearing 2D drawings and 3D CAD models



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Tmax	
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	7.11 Hz
Characteristic outer ring frequency, BPF0	6.56 Hz
Characteristic inner ring frequency, BRFI	8.44 Hz
da min	14.5 mm
db min	14.5 mm
Da max	21.5 mm
Db max	21.5 mm
r1a max	0.3 mm
ra max	0.3 mm
D6	16.3 mm