



## BEARINGS(UK)LTD.

10 mm x 26 mm x 8 mm SNR 7000.CV.U.J74  
High precision angular contact ball bearings

Bearing No. 7000.CV.U.J74

d	10 mm
D	26 mm
B	8 mm
d1	14.65 mm
D1	21.4 mm
D2	23.22 mm
a	6 mm
Contact angle	15 °
rs min	0.3 mm
r1s min	0.3 mm
f0	11.94
Precision class	P4
Mass	0.02 kg
Dynamic load, C	5.5 kN
Static load, C0	2.6 kN
Fatigue limit load, Cu	0.16 kN
Nlim (oil)	97,000 rpm
Nlim (grease)	64,000 rpm
Axial displacement K Factor	2.48
Preload level	7
Preload value	0.025 kN
Axial rigidity	18 N/ μ m
Radial rigidity	102 N/ μ m
Min operating temperature, Tmin	-30 ° C
Max operating temperature,	120 ° C

7000.CV.U.J74 Bearing 2D drawings and 3D CAD models



## BEARINGS(UK)LTD.

Tmax	
Characteristic cage frequency, FTF	0.37 Hz
Characteristic rolling element frequency, BSF	3.53 Hz
Characteristic outer ring frequency, BPF0	3.72 Hz
Characteristic inner ring frequency, BRFI	6.28 Hz
da min	12.5 mm
db min	12.5 mm
Da max	23.5 mm
Db max	23.5 mm
r1a max	0.3 mm
ra max	0.3 mm
D6	16.5 mm