



BEARINGS(UK)LTD.

15 mm x 32 mm x 9 mm SNR 7002CVUJ74A
High precision angular contact ball bearings

Bearing No. 7002CVUJ74A

d	15 mm
D	32 mm
B	9 mm
d1	20.15 mm
D1	26.9 mm
D2	28.84 mm
a	8 mm
Contact angle	15 °
rs min	0.3 mm
r1s min	0.3 mm
f0	13.28
Precision class	P4
Mass	0.03 kg
Dynamic load, C	6.6 kN
Static load, C0	3.8 kN
Fatigue limit load, Cu	0.21 kN
Nlim (oil)	74,000 rpm
Nlim (grease)	49,000 rpm
Axial displacement K Factor	2.08
Preload level	7
Preload value	0.032 kN
Axial rigidity	23 N/ μ m
Radial rigidity	133 N/ μ m
Min operating temperature, Tmin	-30 ° C
Max operating temperature,	120 ° C

7002CVUJ74A Bearing 2D drawings and 3D CAD models



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Tmax	
Characteristic cage frequency, FTF	0.4 Hz
Characteristic rolling element frequency, BSF	4.75 Hz
Characteristic outer ring frequency, BPF0	5.23 Hz
Characteristic inner ring frequency, BRFI	7.77 Hz
da min	17.5 mm
db min	17.5 mm
Da max	29.5 mm
Db max	29.5 mm
r1a max	0.3 mm
ra max	0.3 mm
D6	21.9 mm