



BEARINGS(UK)LTD.



110 mm x 170 mm x 28 mm SNR 7022CVUJ74
High precision angular contact ball bearings

Bearing No. 7022CVUJ74

7022CVUJ74 Bearing 2D drawings and 3D CAD models

Size	110x170x28 mm
Bore Diameter	110 mm
Outer Diameter	170 mm
Width	28 mm
d	110 mm
D	170 mm
B	28 mm
C	28 mm
Angle (°)	15 °
d1	129.4 mm
D1	150.6 mm
D2	158.91 mm
a	33 mm
Contact angle	15 °
rs min	2 mm
r1s min	1 mm
f0	15.9
Precision class	P4
Mass	2 kg
Dynamic load, C	95.6 kN
Static load, C0	98.3 kN
Fatigue limit load, Cu	4.45 kN
Nlim (oil)	12,500 rpm
Nlim (grease)	8,200 rpm
Axial displacement K Factor	0.89



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Preload level	7
Preload value	0.5 kN
Axial rigidity	129 N/ μ m
Radial rigidity	749 N/ μ m
Min operating temperature, Tmin	-30 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	7.9 Hz
Characteristic outer ring frequency, BPF0	9.24 Hz
Characteristic inner ring frequency, BRFI	11.76 Hz
da min	120 mm
db min	120 mm
Da max	160 mm
Db max	160 mm
r1a max	1 mm
ra max	2 mm
D6	135 mm