



BEARINGS(UK)LTD.



95 mm x 145 mm x 24 mm SNR 7019CVUJ74
High precision angular contact ball bearings

Bearing No. 7019CVUJ74

7019CVUJ74 Bearing 2D drawings and 3D CAD models

Size	95x145x24 mm
Bore Diameter	95 mm
Outer Diameter	145 mm
Width	24 mm
d	95 mm
D	145 mm
B	24 mm
C	24 mm
Angle (°)	15 °
d1	110.8 mm
D1	129.2 mm
D2	136.61 mm
a	28 mm
Contact angle	15 °
rs min	1.5 mm
r1s min	0.6 mm
f0	15.88
Precision class	P4
Mass	1.21 kg
Dynamic load, C	73.5 kN
Static load, C0	73.3 kN
Fatigue limit load, Cu	3.55 kN
Nlim (oil)	14,500 rpm
Nlim (grease)	9,600 rpm
Axial displacement K Factor	0.93



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Preload level	7
Preload value	0.39 kN
Axial rigidity	113 N/ μ m
Radial rigidity	656 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	7.84 Hz
Characteristic outer ring frequency, BPF0	9.22 Hz
Characteristic inner ring frequency, BRFI	11.78 Hz
da min	103.5 mm
db min	103.5 mm
Da max	136.5 mm
Db max	136.5 mm
r1a max	0.6 mm
ra max	1.5 mm
D6	115.7 mm