



BEARINGS(UK)LTD.

95 mm x 145 mm x 24 mm SNR 7019CVUJ84
High precision angular contact ball bearings

Bearing No. 7019CVUJ84

d	95 mm
D	145 mm
B	24 mm
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	1.2 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
Preload level	8
Preload value	1.16 kN
Axial rigidity	185 N/ μ m
Radial rigidity	916 N/ μ m
Min operating temperature, Tmin	-30 ° C
Max operating temperature,	120 ° C

7019CVUJ84 Bearing 2D drawings and 3D CAD models



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Tmax	
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	7.84 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