



INA BRAINGS SALES JAPAN CO.,LTD.



100 mm x 150 mm x 24 mm SNR 7020CVUJ74
angular contact ball bearings

Bearing No. 7020CVUJ74

7020CVUJ74 Bearing 2D drawings and 3D CAD models

Size	100x150x24 mm
Bore Diameter	100 mm
Outer Diameter	150 mm
Width	24 mm
d	100 mm
D	150 mm
B	24 mm
C	24 mm
Angle (°)	15 °
d1	115.8 mm
D1	134.2 mm
D2	141.51 mm
a	29 mm
Contact angle	15 °
rs min	1.5 mm
r1s min	0.6 mm
f0	16
Precision class	P4
Mass	1.27 kg
Dynamic load, C	75.3 kN
Static load, C0	77.3 kN
Fatigue limit load, Cu	3.7 kN
Nlim (oil)	14,000 rpm
Nlim (grease)	9,200 rpm
Axial displacement K Factor	0.91



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Preload level	7
Preload value	0.4 kN
Axial rigidity	118 N/ μ m
Radial rigidity	683 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	8.18 Hz
Characteristic outer ring frequency, BPF0	9.72 Hz
Characteristic inner ring frequency, BRFI	12.28 Hz
da min	108.5 mm
db min	108.5 mm
Da max	141.5 mm
Db max	141.5 mm
r1a max	0.6 mm
ra max	1.5 mm
D6	120.7 mm