



## BEARING PRECISION AXLE CORP.



140 mm x 210 mm x 33 mm SNR 7028CVUJ74  
Angular contact ball bearings

Bearing No. 7028CVUJ74

7028CVUJ74 Bearing 2D drawings and 3D CAD models

Size	140x210x33 mm
Bore Diameter	140 mm
Outer Diameter	210 mm
Width	33 mm
d	140 mm
D	210 mm
B	33 mm
C	33 mm
Angle ( ° )	15 °
d1	162.6 mm
D1	198.09 mm
D2	187.42 mm
a	40 mm
Contact angle	15 °
rs min	2 mm
r1s min	1 mm
f0	16.07
Precision class	P4
Mass	3.42 kg
Dynamic load, C	136 kN
Static load, C0	152 kN
Fatigue limit load, Cu	6.1 kN
Nlim (oil)	10,000 rpm
Nlim (grease)	6,600 rpm
Axial displacement K Factor	0.8



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Preload level	7
Preload value	1.04 kN
Axial rigidity	192 N/ $\mu$ m
Radial rigidity	1,073 N/ $\mu$ 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	8.37 Hz
Characteristic outer ring frequency, BPF0	10.19 Hz
Characteristic inner ring frequency, BPFI	12.81 Hz
da min	150 mm
db min	150 mm
Da max	200 mm
Db max	200 mm
r1a max	1 mm
ra max	2 mm
D6	168 mm