



Bearing Manufacturing of America



110 mm x 170 mm x 28 mm 110 mm x 170 mm
x 28 mm SNR 7022HVUJ74 angular contact ball
bearings

Bearing No. 7022HVUJ74

7022HVUJ74 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 (°)	20 °
d1	129.4 mm
D1	150.6 mm
D2	158.91 mm
a	47 mm
Contact angle	25 °
rs min	2 mm
r1s min	1 mm
f0	16.09
Precision class	P4
Mass	2 kg
Dynamic load, C	90.4 kN
Static load, C0	93.4 kN
Fatigue limit load, Cu	4.45 kN
Nlim (oil)	11,500 rpm
Nlim (grease)	7,500 rpm
Axial displacement K Factor	0.42



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Preload level	7
Preload value	0.79 kN
Axial rigidity	308 N/ μ m
Radial rigidity	662 N/ μ m
Min operating temperature, T _{min}	-30 ° C
Max operating temperature, T _{max}	120 ° C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	7.92 Hz
Characteristic outer ring frequency, BPF0	9.31 Hz
Characteristic inner ring frequency, BPFI	11.69 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