



FAG BEARING LIMITED



85 mm x 130 mm x 22 mm SNR 7017HVUJ74
angular contact ball bearings

Bearing No. 7017HVUJ74

7017HVUJ74 Bearing 2D drawings and 3D CAD models

Size	85x130x22 mm
Bore Diameter	85 mm
Outer Diameter	130 mm
Width	22 mm
d	85 mm
D	130 mm
B	22 mm
C	22 mm
Angle (°)	20 °
d1	99.3 mm
D1	115.7 mm
D2	122.49 mm
a	36 mm
Contact angle	25 °
rs min	1.1 mm
r1s min	0.6 mm
f0	16.07
Precision class	P4
Mass	0.9 kg
Dynamic load, C	56.9 kN
Static load, C0	55.7 kN
Fatigue limit load, Cu	3 kN
Nlim (oil)	15,000 rpm
Nlim (grease)	9,800 rpm
Axial displacement K Factor	0.46



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Preload level	7
Preload value	0.5 kN
Axial rigidity	241 N/ μ m
Radial rigidity	517 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	7.86 Hz
Characteristic outer ring frequency, BPF0	9.3 Hz
Characteristic inner ring frequency, BRFI	11.7 Hz
da min	92 mm
db min	92 mm
Da max	123 mm
Db max	123 mm
r1a max	0.6 mm
ra max	1 mm
D6	103.7 mm