



SNR Bearing Argentina



7220HG1UJ74 Bearing 2D drawings and 3D CAD models

100 mm x 180 mm x 34 mm SNR
7220HG1UJ74 High precision angular contact ball bearings

Bearing No. 7220HG1UJ74

Size	100x180x34 mm
Bore Diameter	100 mm
Outer Diameter	180 mm
Width	34 mm
d	100 mm
D	180 mm
B	34 mm
C	34 mm
Angle (°)	20 °
d1	127.3 mm
D1	153 mm
D2	168 mm
a	50 mm
Contact angle	25 °
rs min	2.1 mm
r1s min	1.1 mm
f0	14.82
Precision class	P4
Mass	3.23 kg
Dynamic load, C	141 kN
Static load, C0	121 kN
Fatigue limit load, Cu	5.7 kN
Nlim (oil)	10,500 rpm
Nlim (grease)	6,800 rpm
Axial displacement K Factor	0.5



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Preload level	7
Preload value	1.4 kN
Axial rigidity	320 N/ μ m
Radial rigidity	682 N/ μ m
Min operating temperature, T _{min}	-30 ° C
Max operating temperature, T _{max}	120 ° C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	5.36 Hz
Characteristic outer ring frequency, BPF0	5.85 Hz
Characteristic inner ring frequency, BPFI	8.15 Hz
da min	112 mm
db min	112 mm
Da max	168 mm
Db max	168 mm
r1a max	1 mm
ra max	2 mm
D6	131 mm