



BEARINGS(UK)LTD.



60 mm x 110 mm x 22 mm SNR 7212HG1UJ74
High precision angular contact ball bearings

Bearing No. 7212HG1UJ74

7212HG1UJ74 Bearing 2D drawings and 3D CAD models

Size	60x110x22 mm
Bore Diameter	60 mm
Outer Diameter	110 mm
Width	22 mm
d	60 mm
D	110 mm
B	22 mm
C	22 mm
Angle (°)	20 °
d1	76 mm
D1	95.5 mm
D2	103.05 mm
a	31 mm
Contact angle	25 °
rs min	1.5 mm
r1s min	1 mm
f0	14.74
Precision class	P4
Mass	0.81 kg
Dynamic load, C	64 kN
Static load, C0	50.5 kN
Fatigue limit load, Cu	2.8 kN
Nlim (oil)	17,000 rpm
Nlim (grease)	11,000 rpm
Axial displacement K Factor	0.54



BEARINGS(UK)LTD.

Preload level	7
Preload value	0.56 kN
Axial rigidity	214 N/ μ m
Radial rigidity	455 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	5.25 Hz
Characteristic outer ring frequency, BPF0	6.24 Hz
Characteristic inner ring frequency, BRFI	8.76 Hz
d _a min	68.5 mm
d _b min	68.5 mm
D _a max	101.5 mm
D _b max	101.5 mm
r _{1a} max	1 mm
r _a max	1.5 mm
D ₆	81.5 mm