



NTN Bearing Driveshaft USA CORP.



110 mm x 200 mm x 38 mm SNR
7222HG1UJ74 Angular contact ball bearings

Bearing No. 7222HG1UJ74

7222HG1UJ74 Bearing 2D drawings and 3D CAD models

Size	110x200x38 mm
Bore Diameter	110 mm
Outer Diameter	200 mm
Width	38 mm
d	110 mm
D	200 mm
B	38 mm
C	38 mm
Angle (°)	20 °
d1	140.7 mm
D1	169.6 mm
D2	186.5 mm
a	55 mm
Contact angle	25 °
rs min	2.1 mm
r1s min	1.1 mm
f0	14.76
Precision class	P4
Mass	4.53 kg
Dynamic load, C	166 kN
Static load, C0	153 kN
Fatigue limit load, Cu	6.8 kN
Nlim (oil)	9,400 rpm
Nlim (grease)	6,100 rpm
Axial displacement K Factor	0.48



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Preload level	7
Preload value	1.66 kN
Axial rigidity	352 N/ μ m
Radial rigidity	751 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	5.27 Hz
Characteristic outer ring frequency, BPF0	5.83 Hz
Characteristic inner ring frequency, BRFI	8.17 Hz
da min	122 mm
db min	122 mm
Da max	188 mm
Db max	188 mm
r1a max	1 mm
ra max	2 mm
D6	145 mm