



# SKF BEARING MANUFACTURING CO.,LTD.



80 mm x 140 mm x 26 mm SNR 7216HG1UJ74  
angular contact ball bearings

Bearing No. 7216HG1UJ74

7216HG1UJ74 Bearing 2D drawings and 3D CAD  
models

Size	80x140x26 mm
Bore Diameter	80 mm
Outer Diameter	140 mm
Width	26 mm
d	80 mm
D	140 mm
B	26 mm
C	26 mm
Angle ( ° )	20 °
d1	100.5 mm
D1	119.7 mm
D2	130 mm
a	39 mm
Contact angle	25 °
rs min	2 mm
r1s min	1 mm
f0	15
Precision class	P4
Mass	1.47 kg
Dynamic load, C	87.3 kN
Static load, C0	74 kN
Fatigue limit load, Cu	3.95 kN
Nlim (oil)	13,000 rpm
Nlim (grease)	8,600 rpm
Axial displacement K Factor	0.53



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Preload level	7
Preload value	0.88 kN
Axial rigidity	262 N/ $\mu$ m
Radial rigidity	556 N/ $\mu$ m
Min operating temperature, T <sub>min</sub>	-30 ° C
Max operating temperature, T <sub>max</sub>	120 ° C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	5.63 Hz
Characteristic outer ring frequency, BPF0	6.32 Hz
Characteristic inner ring frequency, BPFI	8.68 Hz
da min	90 mm
db min	90 mm
Da max	130 mm
Db max	130 mm
r1a max	1 mm
ra max	2 mm
D6	103.4 mm