



NTA PRECISION AXLE CORP.



105 mm x 160 mm x 26 mm SNR 7021HVUJ74 angular contact ball bearings

Bearing No. 7021HVUJ74

7021HVUJ74 Bearing 2D drawings and 3D CAD models

Size	105x160x26 mm
Bore Diameter	105 mm
Outer Diameter	160 mm
Width	26 mm
d	105 mm
D	160 mm
B	26 mm
C	26 mm
Angle (°)	20 °
d1	122.8 mm
D1	142.2 mm
D2	149.84 mm
a	44 mm
Contact angle	25 °
rs min	2 mm
r1s min	1 mm
f0	16.2
Precision class	P4
Mass	1.61 kg
Dynamic load, C	78 kN
Static load, C0	81.4 kN
Fatigue limit load, Cu	4 kN
Nlim (oil)	12,000 rpm
Nlim (grease)	7,900 rpm
Axial displacement K Factor	0.42



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Preload level	7
Preload value	0.69 kN
Axial rigidity	294 N/ μ m
Radial rigidity	631 N/ μ m
Min operating temperature, T _{min}	-30 ° C
Max operating temperature, T _{max}	120 ° C
Characteristic cage frequency, FTF	0.45 Hz
Characteristic rolling element frequency, BSF	8.25 Hz
Characteristic outer ring frequency, BPF0	9.81 Hz
Characteristic inner ring frequency, BRFI	12.19 Hz
da min	115 mm
db min	115 mm
Da max	150 mm
Db max	150 mm
r1a max	1 mm
ra max	2 mm
D6	127.9 mm