



# NTN BEARING USA CORP.

35 mm x 55 mm x 10 mm SNR 71907.HV.U.J74  
High precision angular contact ball bearings

Bearing No. 71907.HV.U.J74

d	35 mm
D	55 mm
B	10 mm
d1	41.4 mm
D1	48.6 mm
D2	51.42 mm
a	15 mm
Contact angle	25 °
rs min	0.6 mm
r1s min	0.3 mm
f0	16.12
Precision class	P4
Mass	0.08 kg
Dynamic load, C	10.2 kN
Static load, C0	8.1 kN
Fatigue limit load, Cu	0.45 kN
Nlim (oil)	36,000 rpm
Nlim (grease)	23,000 rpm
Axial displacement K Factor	0.72
Preload level	7
Preload value	0.09 kN
Axial rigidity	89 N/ μ m
Radial rigidity	191 N/ μ m
Min operating temperature, Tmin	-30 ° C
Max operating temperature,	120 ° C

71907.HV.U.J74 Bearing 2D drawings and 3D CAD models



## NTN BEARING USA CORP.

Tmax	
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	8 Hz
Characteristic outer ring frequency, BPF0	7.99 Hz
Characteristic inner ring frequency, BRFI	10.01 Hz
da min	39.5 mm
db min	39.5 mm
Da max	50.5 mm
Db max	50.5 mm
r1a max	0.3 mm
ra max	0.6 mm
D6	43.3 mm