



BEARINGS(UK)LTD.

12 mm x 24 mm x 6 mm SNR 71901.HV.U.J94
High precision angular contact ball bearings

Bearing No. 71901.HV.U.J94

d	12 mm
D	24 mm
B	6 mm
d1	15.4 mm
D1	19.6 mm
D2	21.13 mm
a	7 mm
Contact angle	25 °
rs min	0.3 mm
r1s min	0.3 mm
f0	13.26
Precision class	P4
Mass	0.01 kg
Dynamic load, C	2.95 kN
Static load, C0	1.58 kN
Fatigue limit load, Cu	0.09 kN
Nlim (oil)	89,000 rpm
Nlim (grease)	58,000 rpm
Axial displacement K Factor	1.1
Preload level	9
Preload value	0.15 kN
Axial rigidity	74 N/ μ m
Radial rigidity	139 N/ μ m
Min operating temperature, Tmin	-30 ° C
Max operating temperature,	120 ° C

71901.HV.U.J94 Bearing 2D drawings and 3D CAD models



BEARINGS(UK)LTD.

Tmax	
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	5.36 Hz
Characteristic outer ring frequency, BPF0	5.43 Hz
Characteristic inner ring frequency, BRFI	7.57 Hz
da min	14.5 mm
db min	14.5 mm
Da max	21.5 mm
Db max	21.5 mm
r1a max	0.3 mm
ra max	0.3 mm
D6	16.5 mm