



NTN BEARING USA CORP.

120 mm x 165 mm x 22 mm SNR
10R71924CVUJ74 High precision angular contact
ball bearings

Bearing No. 10R71924CVUJ74

10R71924CVUJ74 Bearing 2D drawings and 3D CAD
models

d	120 mm
D	165 mm
B	22 mm
d1	134.3 mm
D1	150.65 mm
D2	157.34 mm
a	30 mm
Contact angle	15 °
rs min	0.6 mm
r1s min	0.6 mm
f0	16.6
Precision class	P4
Mass	1.18 kg
Dynamic load, C	67.3 kN
Static load, C0	78.8 kN
Fatigue limit load, Cu	3.5 kN
Nlim (oil)	12,500 rpm
Nlim (grease)	8,100 rpm
Axial displacement K Factor	0.84
Preload level	7
Preload value	0.34 kN
Axial rigidity	120 N/ μ m
Radial rigidity	710 N/ μ m
Min operating temperature, Tmin	-30 ° C



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Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.45 Hz
Characteristic rolling element frequency, BSF	10.47 Hz
Characteristic outer ring frequency, BPF0	12.26 Hz
Characteristic inner ring frequency, BRFI	14.74 Hz
da min	124.5 mm
db min	124.5 mm
Da max	160.5 mm
Db max	160.5 mm
r1a max	0.6 mm
ra max	0.6 mm
D6	138.5 mm