



# NTN BEARING CORP.OF AMERICA



65 mm x 90 mm x 13 mm SNR  
ML71913CVUJ74S angular contact ball bearings

Bearing No. ML71913CVUJ74S

ML71913CVUJ74S Bearing 2D drawings and 3D CAD models

Size	65x90x13 mm
Bore Diameter	65 mm
Outer Diameter	90 mm
Width	13 mm
d	65 mm
D	90 mm
B	13 mm
C	13 mm
Angle ( ° )	15 °
d1	73.1 mm
d2	71.15 mm
D1	83.71 mm
D2	85.31 mm
a	18 mm
Contact angle	17 °
rs min	1 mm
r1s min	0.3 mm
f0	8.7
Precision class	P4S
Mass	0.2 kg
Dynamic load, C	10.6 kN
Static load, C0	8.7 kN
Fatigue limit load, Cu	0.47 kN
Nlim (oil)	28,000 rpm
Nlim (grease)	21,000 rpm



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Axial displacement K Factor	0.98
Preload level	7
Preload value	0.055 kN
Axial rigidity	55 N/ $\mu$ m
Radial rigidity	279 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	0.46 Hz
Characteristic rolling element frequency, BSF	13.74 Hz
Characteristic outer ring frequency, BPF0	15.82 Hz
Characteristic inner ring frequency, BPF1	18.18 Hz
da min	70.5 mm
db min	70.5 mm
Da max	84.5 mm
Db max	84.5 mm
r1a max	0.3 mm
ra max	1 mm
D6	75 mm