



## Bearing equipment manufacturing Co., Ltd



ML71910HVUJ74S Bearing 2D drawings and 3D CAD models

50 mm x 72 mm x 12 mm SNR  
ML71910HVUJ74S angular contact ball bearings

Bearing No. ML71910HVUJ74S

Size	50x72x12 mm
Bore Diameter	50 mm
Outer Diameter	72 mm
Width	12 mm
d	50 mm
D	72 mm
B	12 mm
C	12 mm
Angle ( ° )	20 °
d1	56.8 mm
d2	54.7 mm
D1	66.01 mm
D2	67.51 mm
a	20 mm
Contact angle	25 °
rs min	0.6 mm
r1s min	0.3 mm
f0	8.66
Precision class	P4S
Mass	0.13 kg
Dynamic load, C	7.1 kN
Static load, C0	5.3 kN
Fatigue limit load, Cu	0.34 kN
Nlim (oil)	32,000 rpm
Nlim (grease)	22,000 rpm



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Axial displacement K Factor	0.61
Preload level	7
Preload value	0.06 kN
Axial rigidity	90 N/ $\mu$ m
Radial rigidity	200 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	12.47 Hz
Characteristic outer ring frequency, BPF0	13.92 Hz
Characteristic inner ring frequency, BPF1	16.08 Hz
da min	54.5 mm
db min	54.5 mm
Da max	67.5 mm
Db max	67.5 mm
r1a max	0.3 mm
ra max	0.6 mm
D6	58.3 mm