



NTN Bearing Driveshaft USA CORP.



ML7010CVUJ74S Bearing 2D drawings and 3D CAD models

50 mm x 80 mm x 16 mm SNR
ML7010CVUJ74S Angular contact ball bearings

Bearing No. ML7010CVUJ74S

Size	50x80x16 mm
Bore Diameter	50 mm
Outer Diameter	80 mm
Width	16 mm
d	50 mm
D	80 mm
B	16 mm
C	16 mm
Angle (°)	15 °
d1	59.7 mm
d2	57.4 mm
D1	71.41 mm
D2	73.81 mm
a	18 mm
Contact angle	17 °
rs min	1 mm
r1s min	0.6 mm
f0	8.38
Precision class	P4S
Mass	0.26 kg
Dynamic load, C	11.6 kN
Static load, C0	8.1 kN
Fatigue limit load, Cu	0.46 kN
Nlim (oil)	34,000 rpm
Nlim (grease)	25,000 rpm



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Axial displacement K Factor	1.13
Preload level	7
Preload value	0.06 kN
Axial rigidity	49 N/ μ m
Radial rigidity	245 N/ μ m
Min operating temperature, T _{min}	-30 ° C
Max operating temperature, T _{max}	120 ° C
Characteristic cage frequency, FTF	0.45 Hz
Characteristic rolling element frequency, BSF	9.96 Hz
Characteristic outer ring frequency, BPF0	11.31 Hz
Characteristic inner ring frequency, BPF1	13.69 Hz
da min	55.5 mm
db min	55.5 mm
Da max	74.5 mm
Db max	74.5 mm
r1a max	0.6 mm
ra max	1 mm
D6	61.9 mm