



Bearing No. ML7010CVUJ74S

a	18 mm
d	50 mm
D	80 mm
B	16 mm
C	16 mm
D6	61.9 mm
d2	57.4 mm
f0	8.38
D1	71.41 mm
D2	73.81 mm
d1	59.7 mm
Mass	0.26 kg
Db max	74.5 mm
da min	55.5 mm
db min	55.5 mm
ra max	1 mm
rs min	1 mm
Da max	74.5 mm
r1s min	0.6 mm
r1a max	0.6 mm
Size (mm)	50x80x16
Width (mm)	16
Nlim (oil)	34,000 rpm
Preload level	7
Nlim (grease)	25,000 rpm
Preload value	0.06 kN
Axial rigidity	49 N/μm
Bearing number	ML7010CVUJ74S
Radial rigidity	245 N/μm
Dynamic load, C	11.6 kN

Precision class	P4S
Angle (?)	15 °
Static load, C0	8.1 kN
Contact angle ?	17 °
Bore Diameter (mm)	50
Outer Diameter (mm)	80
Fatigue limit load, Cu	0.46 kN
Axial displacement K Factor	1.13
Min operating temperature, Tmin	-30 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.45 Hz
Characteristic outer ring frequency, BPF0	11.31 Hz
Characteristic inner ring frequency, BRFI	13.69 Hz
Characteristic rolling element frequency, BSF	9.96 Hz