



## SNR Bearing Argentina

50 mm x 80 mm x 16 mm SNR  
MLE7010CVUJ84S High precision angular  
contact ball bearings

Bearing No. MLE7010CVUJ84S

MLE7010CVUJ84S Bearing 2D drawings and 3D CAD  
models

d	50 mm
D	80 mm
B	16 mm
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 (grease)	25,000 rpm
Axial displacement K Factor	1.13
Preload level	8
Preload value	0.18 kN
Axial rigidity	74 N/ μ m
Radial rigidity	349 N/ μ m
Min operating temperature, Tmin	-20 ° C



## SNR Bearing Argentina

Max operating temperature, Tmax	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, BRFI	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