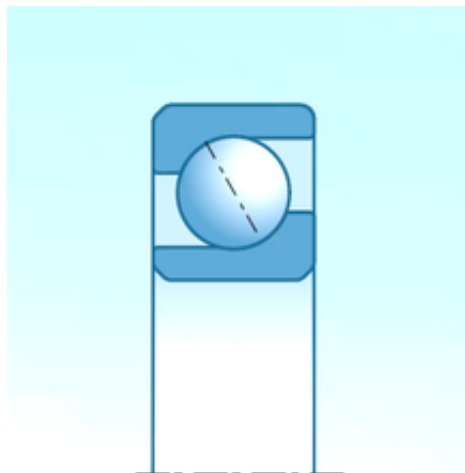




# LINEAR BEARINGS CO.,LTD



17 mm x 35 mm x 10 mm SNR  
MLE7003CVUJ74S angular contact ball bearings

Bearing No. MLE7003CVUJ74S

MLE7003CVUJ74S Bearing 2D drawings and 3D CAD models

Size	17x35x10 mm
Bore Diameter	17 mm
Outer Diameter	35 mm
Width	10 mm
d	17 mm
D	35 mm
B	10 mm
C	10 mm
Angle ( ° )	15 °
d1	22.65 mm
d2	21.4 mm
D1	30.45 mm
D2	31.05 mm
a	9 mm
Contact angle	17 °
rs min	0.3 mm
r1s min	0.3 mm
f0	7.73
Precision class	P4S
Mass	0.04 kg
Dynamic load, C	3.7 kN
Static load, C0	1.75 kN
Fatigue limit load, Cu	0.1 kN
Nlim (grease)	62,000 rpm
Axial displacement K Factor	1.89



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Preload level	7
Preload value	0.019 kN
Axial rigidity	20 N/ $\mu$ m
Radial rigidity	100 N/ $\mu$ m
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	6.3 Hz
Characteristic outer ring frequency, BPF0	6.39 Hz
Characteristic inner ring frequency, BRFI	8.61 Hz
da min	19.5 mm
db min	19.5 mm
Da max	32.5 mm
Db max	32.5 mm
r1a max	0.3 mm
ra max	0.3 mm
D6	24.2 mm