



NTN BEARING CORP.OF CANADA LTD.



17 mm x 35 mm x 10 mm SNR
MLE7003HVUJ74S angular contact ball bearings

Bearing No. MLE7003HVUJ74S

MLE7003HVUJ74S 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 (°)	20 °
d1	22.65 mm
d2	21.4 mm
D1	30.45 mm
D2	31.05 mm
a	11 mm
Contact angle	25 °
rs min	0.3 mm
r1s min	0.3 mm
f0	7.82
Precision class	P4S
Mass	0.04 kg
Dynamic load, C	3.55 kN
Static load, C0	1.68 kN
Fatigue limit load, Cu	0.1 kN
Nlim (grease)	52,000 rpm
Axial displacement K Factor	1.03



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Preload level	7
Preload value	0.03 kN
Axial rigidity	42 N/ μ m
Radial rigidity	93 N/ μ 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	6.31 Hz
Characteristic outer ring frequency, BPF0	6.44 Hz
Characteristic inner ring frequency, BRFI	8.56 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