



NTN BEARING CORP.OF AMERICA



35 mm x 55 mm x 10 mm SNR
MLE71907HVUJ74S angular contact ball bearings

Bearing No. MLE71907HVUJ74S

MLE71907HVUJ74S Bearing 2D drawings and 3D CAD models

Size	35x55x10 mm
Bore Diameter	35 mm
Outer Diameter	55 mm
Width	10 mm
d	35 mm
D	55 mm
B	10 mm
C	10 mm
Angle (°)	20 °
d1	41.4 mm
d2	40.2 mm
D1	48.75 mm
D2	50.05 mm
a	15 mm
Contact angle	25 °
rs min	0.6 mm
r1s min	0.3 mm
f0	8.55
Precision class	P4S
Mass	0.08 kg
Dynamic load, C	4.8 kN
Static load, C0	3.15 kN
Fatigue limit load, Cu	0.18 kN
Nlim (grease)	30,000 rpm
Axial displacement K Factor	0.71



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Preload level	7
Preload value	0.04 kN
Axial rigidity	67 N/ μ m
Radial rigidity	150 N/ μ m
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.46 Hz
Characteristic rolling element frequency, BSF	11.09 Hz
Characteristic outer ring frequency, BPF0	11.94 Hz
Characteristic inner ring frequency, BRFI	14.06 Hz
da min	39.5 mm
db min	39.5 mm
Da max	50.5 mm
Db max	50.5 mm
r1a max	0.3 mm
ra max	0.6 mm
D6	43 mm