



Bearing No. ML7007HVUJ74S

a	18 mm
d	35 mm
D	62 mm
B	14 mm
C	14 mm
D6	45.5 mm
d2	40.9 mm
f0	8.05
D1	54.31 mm
D2	56.71 mm
d1	43.2 mm
Mass	0.15 kg
Db max	56.5 mm
da min	40.5 mm
db min	40.5 mm
ra max	1 mm
rs min	1 mm
Da max	56.5 mm
r1s min	0.6 mm
r1a max	0.6 mm
Size (mm)	35x62x14
Width (mm)	14
Nlim (oil)	40,000 rpm
Preload level	7
Nlim (grease)	28,000 rpm
Preload value	0.08 kN
Axial rigidity	83 N/μm
Bearing number	ML7007HVUJ74S
Radial rigidity	184 N/μm
Dynamic load, C	9.9 kN

Precision class	P4S
Angle (?)	20 °
Static load, C0	5.9 kN
Contact angle ?	25 °
Bore Diameter (mm)	35
Outer Diameter (mm)	62
Fatigue limit load, Cu	0.37 kN
Axial displacement K Factor	0.73
Min operating temperature, Tmin	-30 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic outer ring frequency, BPF0	8.78 Hz
Characteristic inner ring frequency, BRFI	11.22 Hz
Characteristic rolling element frequency, BSF	7.34 Hz