



Bearing No. ML7009HVUJ74S

a	22 mm
d	45 mm
D	75 mm
B	16 mm
C	16 mm
D6	56.9 mm
d2	52.4 mm
f0	8.34
D1	66.31 mm
D2	68.46 mm
d1	54.7 mm
Mass	0.24 kg
Db max	69.5 mm
da min	50.5 mm
db min	50.5 mm
ra max	1 mm
rs min	1 mm
Da max	69.5 mm
r1s min	0.6 mm
r1a max	0.6 mm
Size (mm)	45x75x16
Width (mm)	16
Nlim (oil)	33,000 rpm
Preload level	7
Nlim (grease)	23,000 rpm
Preload value	0.09 kN
Axial rigidity	92 N/μm
Bearing number	ML7009HVUJ74S
Radial rigidity	205 N/μm
Dynamic load, C	10.3 kN

Precision class	P4S
Angle (?)	20 °
Static load, C0	6.7 kN
Contact angle ?	25 °
Bore Diameter (mm)	45
Outer Diameter (mm)	75
Fatigue limit load, Cu	0.4 kN
Axial displacement K Factor	0.68
Min operating temperature, Tmin	-30 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.45 Hz
Characteristic outer ring frequency, BPF0	9.92 Hz
Characteristic inner ring frequency, BRFI	12.08 Hz
Characteristic rolling element frequency, BSF	9.17 Hz