



Bearing No. ML7004HVUJ74S

a	13 mm
d	20 mm
D	42 mm
B	12 mm
C	12 mm
D6	28.6 mm
d2	24.65 mm
f0	7.52
D1	37.05 mm
D2	38.65 mm
d1	26.6 mm
Mass	0.06 kg
Db max	37.5 mm
da min	24.5 mm
db min	24.5 mm
ra max	0.6 mm
rs min	0.6 mm
Da max	37.5 mm
r1s min	0.3 mm
r1a max	0.3 mm
Size (mm)	20x42x12
Width (mm)	12
Nlim (oil)	63,000 rpm
Preload level	7
Nlim (grease)	44,000 rpm
Preload value	0.05 kN
Axial rigidity	54 N/μm
Bearing number	ML7004HVUJ74S
Radial rigidity	119 N/μm
Dynamic load, C	6.3 kN

Precision class	P4S
Angle (?)	20 °
Static load, C0	2.95 kN
Contact angle ?	25 °
Bore Diameter (mm)	20
Outer Diameter (mm)	42
Fatigue limit load, Cu	0.19 kN
Axial displacement K Factor	0.96
Min operating temperature, Tmin	-30 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic outer ring frequency, BPF0	5.83 Hz
Characteristic inner ring frequency, BPF1	8.17 Hz
Characteristic rolling element frequency, BSF	5.28 Hz