



Bearing No. MLE7004HVUJ74S

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 max	37.5 mm
rs min	0.6 mm
ra max	0.6 mm
db min	24.5 mm
da min	24.5 mm
r1a max	0.3 mm
r1s min	0.3 mm
Size (mm)	20x42x12
Width (mm)	12
Preload level	7
Nlim (grease)	44,000 rpm
Preload value	0.05 kN
Axial rigidity	54 N/μm
Bearing number	MLE7004HVUJ74S
Radial rigidity	119 N/μm
Static load, C0	2.95 kN
Precision class	P4S

Angle (?)	20 °
Dynamic load, C	6.3 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	-20 °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, BRFI	8.17 Hz
Characteristic rolling element frequency, BSF	5.28 Hz