



Bearing No. MLE7005CVUJ74S

a	11 mm
d	25 mm
D	47 mm
B	12 mm
C	12 mm
D6	34.2 mm
d2	30.25 mm
f0	7.74
D1	42.65 mm
D2	44.25 mm
d1	32.2 mm
Mass	0.08 kg
Db max	42.5 mm
Da max	42.5 mm
rs min	0.6 mm
ra max	0.6 mm
db min	29.5 mm
da min	29.5 mm
r1a max	0.3 mm
r1s min	0.3 mm
Size (mm)	25x47x12
Width (mm)	12
Preload level	7
Nlim (grease)	44,000 rpm
Preload value	0.035 kN
Axial rigidity	30 N/μm
Bearing number	MLE7005CVUJ74S
Radial rigidity	151 N/μm
Static load, C0	3.9 kN
Precision class	P4S

Angle (?)	15 °
Dynamic load, C	7.4 kN
Contact angle ?	17 °
Bore Diameter (mm)	25
Outer Diameter (mm)	47
Fatigue limit load, Cu	0.23 kN
Axial displacement K Factor	1.53
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic outer ring frequency, BPF0	7.24 Hz
Characteristic inner ring frequency, BRFI	9.76 Hz
Characteristic rolling element frequency, BSF	6.3 Hz