



## IMPORTED BEARING OF AMERICA CORP.



ML7005CVUJ74S Bearing 2D drawings and 3D CAD models

25 mm x 47 mm x 12 mm 25 mm x 47 mm x 12 mm SNR ML7005CVUJ74S angular contact ball bearings

Bearing No. ML7005CVUJ74S

Size	25x47x12 mm
Bore Diameter	25 mm
Outer Diameter	47 mm
Width	12 mm
d	25 mm
D	47 mm
B	12 mm
C	12 mm
Angle ( ° )	15 °
d1	32.2 mm
d2	30.25 mm
D1	42.65 mm
D2	44.25 mm
a	11 mm
Contact angle	17 °
rs min	0.6 mm
r1s min	0.3 mm
f0	7.74
Precision class	P4S
Mass	0.08 kg
Dynamic load, C	7.4 kN
Static load, C0	3.9 kN
Fatigue limit load, Cu	0.23 kN
Nlim (oil)	61,000 rpm
Nlim (grease)	44,000 rpm



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Axial displacement K Factor	1.53
Preload level	7
Preload value	0.035 kN
Axial rigidity	30 N/ $\mu$ m
Radial rigidity	151 N/ $\mu$ m
Min operating temperature, T <sub>min</sub>	-30 ° C
Max operating temperature, T <sub>max</sub>	120 ° C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	6.3 Hz
Characteristic outer ring frequency, BPF0	7.24 Hz
Characteristic inner ring frequency, BPF1	9.76 Hz
da min	29.5 mm
db min	29.5 mm
Da max	42.5 mm
Db max	42.5 mm
r1a max	0.3 mm
ra max	0.6 mm
D6	34.2 mm