



BEARING OF AMERICA CORP.



ML7014HVUJ74S Bearing 2D drawings and 3D CAD models

70 mm x 110 mm x 20 mm SNR
ML7014HVUJ74S angular contact ball bearings

Bearing No. ML7014HVUJ74S

Size	70x110x20 mm
Bore Diameter	70 mm
Outer Diameter	110 mm
Width	20 mm
d	70 mm
D	110 mm
B	20 mm
C	20 mm
Angle (°)	20 °
d1	82.6 mm
d2	80.5 mm
D1	97.41 mm
D2	101.51 mm
a	31 mm
Contact angle	25 °
rs min	1.1 mm
r1s min	1 mm
f0	8.34
Precision class	P4S
Mass	0.62 kg
Dynamic load, C	22.6 kN
Static load, C0	16.5 kN
Fatigue limit load, Cu	0.93 kN
Nlim (oil)	22,000 rpm
Nlim (grease)	15,000 rpm



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Axial displacement K Factor	0.51
Preload level	7
Preload value	0.19 kN
Axial rigidity	159 N/ μ m
Radial rigidity	349 N/ μ m
Min operating temperature, T _{min}	-30 ° C
Max operating temperature, T _{max}	120 ° C
Characteristic cage frequency, FTF	0.45 Hz
Characteristic rolling element frequency, BSF	9.18 Hz
Characteristic outer ring frequency, BPF0	10.83 Hz
Characteristic inner ring frequency, BPF1	13.17 Hz
da min	77 mm
db min	77 mm
Da max	103 mm
Db max	103 mm
r1a max	1 mm
ra max	1 mm
D6	85.7 mm