



BEARINGS(UK)LTD.



ML7006HVUJ74S Bearing 2D drawings and 3D CAD models

30 mm x 55 mm x 13 mm SNR
ML7006HVUJ74S High precision angular contact
ball bearings

Bearing No. ML7006HVUJ74S

Size	30x55x13 mm
Bore Diameter	30 mm
Outer Diameter	55 mm
Width	13 mm
d	30 mm
D	55 mm
B	13 mm
C	13 mm
Angle (°)	20 °
d1	38.1 mm
d2	36.15 mm
D1	48.55 mm
D2	50.15 mm
a	16 mm
Contact angle	25 °
rs min	1 mm
r1s min	0.6 mm
f0	8.06
Precision class	P4S
Mass	0.11 kg
Dynamic load, C	7.8 kN
Static load, C0	4.5 kN
Fatigue limit load, Cu	0.27 kN
Nlim (oil)	46,000 rpm
Nlim (grease)	32,000 rpm



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Axial displacement K Factor	0.76
Preload level	7
Preload value	0.065 kN
Axial rigidity	74 N/ μ m
Radial rigidity	165 N/ μ m
Min operating temperature, T _{min}	-30 ° C
Max operating temperature, T _{max}	120 ° C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	7.4 Hz
Characteristic outer ring frequency, BPF0	8.79 Hz
Characteristic inner ring frequency, BPF1	11.21 Hz
da min	35.5 mm
db min	35.5 mm
Da max	49.5 mm
Db max	49.5 mm
r1a max	0.6 mm
ra max	1 mm
D6	40.1 mm