



SNR Bearing Argentina

45 mm x 75 mm x 16 mm SNR
ML7009HVUJ84S High precision angular contact
ball bearings

Bearing No. ML7009HVUJ84S

d	45 mm
D	75 mm
B	16 mm
d1	54.7 mm
d2	52.4 mm
D1	66.31 mm
D2	68.46 mm
a	22 mm
Contact angle	25 °
rs min	1 mm
r1s min	0.6 mm
f0	8.34
Precision class	P4S
Mass	0.24 kg
Dynamic load, C	10.3 kN
Static load, C0	6.7 kN
Fatigue limit load, Cu	0.4 kN
Nlim (oil)	33,000 rpm
Nlim (grease)	23,000 rpm
Axial displacement K Factor	0.68
Preload level	8
Preload value	0.26 kN
Axial rigidity	135 N/ μ m
Radial rigidity	290 N/ μ m
Min operating temperature,	-30 ° C

ML7009HVUJ84S Bearing 2D drawings and 3D CAD
models



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Tmin	
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.45 Hz
Characteristic rolling element frequency, BSF	9.17 Hz
Characteristic outer ring frequency, BPF0	9.92 Hz
Characteristic inner ring frequency, BPF1	12.08 Hz
da min	50.5 mm
db min	50.5 mm
Da max	69.5 mm
Db max	69.5 mm
r1a max	0.6 mm
ra max	1 mm
D6	56.9 mm