



SNR Bearing Argentina

45 mm x 68 mm x 12 mm SNR
ML71909HVUJ84S High precision angular
contact ball bearings

Bearing No. ML71909HVUJ84S

d	45 mm
D	68 mm
B	12 mm
d1	52.3 mm
d2	50.2 mm
D1	61.51 mm
D2	63.01 mm
a	19 mm
Contact angle	25 °
rs min	0.6 mm
r1s min	0.3 mm
f0	8.58
Precision class	P4S
Mass	0.13 kg
Dynamic load, C	6.9 kN
Static load, C0	4.95 kN
Fatigue limit load, Cu	0.32 kN
Nlim (oil)	35,000 rpm
Nlim (grease)	24,000 rpm
Axial displacement K Factor	0.64
Preload level	8
Preload value	0.17 kN
Axial rigidity	125 N/ μ m
Radial rigidity	270 N/ μ m
Min operating temperature,	-30 ° C

ML71909HVUJ84S Bearing 2D drawings and 3D CAD
models



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Tmin	
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.46 Hz
Characteristic rolling element frequency, BSF	11.52 Hz
Characteristic outer ring frequency, BPF0	12.9 Hz
Characteristic inner ring frequency, BRF1	15.1 Hz
da min	49.5 mm
db min	49.5 mm
Da max	63.5 mm
Db max	63.5 mm
r1a max	0.3 mm
ra max	0.6 mm
D6	53.8 mm