



ML7009HVUJ74S Bearing 2D drawings and 3D CAD models

45 mm x 75 mm x 16 mm SNR ML7009HVUJ74S angular contact ball bearings

Bearing No. ML7009HVUJ74S

Size	45x75x16 mm
Bore Diameter	45 mm
Outer Diameter	75 mm
Width	16 mm
d	45 mm
D	75 mm
B	16 mm
C	16 mm
Angle (°)	20 °
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



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Axial displacement K Factor	0.68
Preload level	7
Preload value	0.09 kN
Axial rigidity	92 N/ μ m
Radial rigidity	205 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	9.17 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