



12 mm x 28 mm x 8 mm SNR
ML7001CVUJ74S angular contact ball bearings

Bearing No. ML7001CVUJ74S

ML7001CVUJ74S Bearing 2D drawings and 3D CAD models

Size	12x28x8 mm
Bore Diameter	12 mm
Outer Diameter	28 mm
Width	8 mm
d	12 mm
D	28 mm
B	8 mm
C	8 mm
Angle (°)	15 °
d1	16.65 mm
d2	15.55 mm
D1	22.95 mm
D2	23.75 mm
a	7 mm
Contact angle	17 °
rs min	0.3 mm
r1s min	0.3 mm
f0	7.6
Precision class	P4S
Mass	0.02 kg
Dynamic load, C	2.26 kN
Static load, C0	0.95 kN
Fatigue limit load, Cu	0.06 kN
Nlim (oil)	110,000 rpm
Nlim (grease)	80,000 rpm



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Axial displacement K Factor	2.25
Preload level	7
Preload value	0.011 kN
Axial rigidity	14 N/ μ m
Radial rigidity	70 N/ μ m
Min operating temperature, T _{min}	-30 ° C
Max operating temperature, T _{max}	120 ° C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	5.83 Hz
Characteristic outer ring frequency, BPF0	5.46 Hz
Characteristic inner ring frequency, BPF1	7.54 Hz
da min	14.5 mm
db min	14.5 mm
Da max	25.5 mm
Db max	25.5 mm
r1a max	0.3 mm
ra max	0.3 mm
D6	18 mm