



## Wuxi NSB Transmission Technology Co.,...



ML7002HVUJ74S Bearing 2D drawings and 3D CAD models

### 15 mm x 32 mm x 9 mm SNR ML7002HVUJ74S angular contact ball bearings

Bearing No. ML7002HVUJ74S

Size	15x32x9 mm
Bore Diameter	15 mm
Outer Diameter	32 mm
Width	9 mm
d	15 mm
D	32 mm
B	9 mm
C	9 mm
Angle ( ° )	20 °
d1	20.15 mm
d2	18.8 mm
D1	27.15 mm
D2	28.45 mm
a	10 mm
Contact angle	25 °
rs min	0.3 mm
r1s min	0.3 mm
f0	7.64
Precision class	P4S
Mass	0.03 kg
Dynamic load, C	3.25 kN
Static load, C0	1.42 kN
Fatigue limit load, Cu	0.09 kN
Nlim (oil)	83,000 rpm
Nlim (grease)	57,000 rpm



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Axial displacement K Factor	1.14
Preload level	7
Preload value	0.03 kN
Axial rigidity	38 N/ $\mu$ m
Radial rigidity	84 N/ $\mu$ m
Min operating temperature, T <sub>min</sub>	-30 ° C
Max operating temperature, T <sub>max</sub>	120 ° C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	5.63 Hz
Characteristic outer ring frequency, BPF0	5.48 Hz
Characteristic inner ring frequency, BRFI	7.52 Hz
da min	17.5 mm
db min	17.5 mm
Da max	29.5 mm
Db max	29.5 mm
r1a max	0.3 mm
ra max	0.3 mm
D6	21.6 mm