



NTN Bearing Manufacturing



25 mm x 47 mm x 12 mm SNR
ML7005HVUJ74S angular contact ball bearings

Bearing No. ML7005HVUJ74S

ML7005HVUJ74S Bearing 2D drawings and 3D CAD models

Size	25x47x12 mm
Bore Diameter	25 mm
Outer Diameter	47 mm
Width	12 mm
d	25 mm
D	47 mm
B	12 mm
C	12 mm
Angle (°)	20 °
d1	32.2 mm
d2	30.25 mm
D1	42.65 mm
D2	44.25 mm
a	14 mm
Contact angle	25 °
rs min	0.6 mm
r1s min	0.3 mm
f0	7.83
Precision class	P4S
Mass	0.08 kg
Dynamic load, C	7.1 kN
Static load, C0	3.7 kN
Fatigue limit load, Cu	0.23 kN
Nlim (oil)	54,000 rpm
Nlim (grease)	38,000 rpm



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Axial displacement K Factor	0.84
Preload level	7
Preload value	0.06 kN
Axial rigidity	65 N/ μ m
Radial rigidity	144 N/ μ m
Min operating temperature, T _{min}	-30 ° C
Max operating temperature, T _{max}	120 ° C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	6.32 Hz
Characteristic outer ring frequency, BPF0	7.3 Hz
Characteristic inner ring frequency, BPF1	9.7 Hz
da min	29.5 mm
db min	29.5 mm
Da max	42.5 mm
Db max	42.5 mm
r1a max	0.3 mm
ra max	0.6 mm
D6	34.2 mm