



Huaxin Bearing Co., Ltd



MLE7010HVUJ74S Bearing 2D drawings and 3D CAD models

50 mm x 80 mm x 16 mm SNR MLE7010HVUJ74S angular contact ball bearings

Bearing No. MLE7010HVUJ74S

Size	50x80x16 mm
Bore Diameter	50 mm
Outer Diameter	80 mm
Width	16 mm
d	50 mm
D	80 mm
B	16 mm
C	16 mm
Angle (°)	20 °
d1	59.7 mm
d2	57.4 mm
D1	71.41 mm
D2	73.81 mm
a	23 mm
Contact angle	25 °
rs min	1 mm
r1s min	0.6 mm
f0	8.44
Precision class	P4S
Mass	0.26 kg
Dynamic load, C	11.1 kN
Static load, C0	7.7 kN
Fatigue limit load, Cu	0.46 kN
Nlim (grease)	21,000 rpm
Axial displacement K Factor	0.62



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Preload level	7
Preload value	0.09 kN
Axial rigidity	101 N/ μ m
Radial rigidity	224 N/ μ m
Min operating temperature, T _{min}	-20 ° C
Max operating temperature, T _{max}	120 ° C
Characteristic cage frequency, FTF	0.46 Hz
Characteristic rolling element frequency, BSF	9.96 Hz
Characteristic outer ring frequency, BPF0	11.37 Hz
Characteristic inner ring frequency, BRFI	13.63 Hz
d _a min	55.5 mm
d _b min	55.5 mm
D _a max	74.5 mm
D _b max	74.5 mm
r _{1a} max	0.6 mm
r _a max	1 mm
D ₆	61.9 mm