

Dinsmore Tolerance Chart

Measurement (inches)	SLA, Polyjet, DMLS (Desired Tolerance Range)	FDM (Desired Tolerance Range)	SLS (Desired Tolerance Range)
1	0.995" to 1.005"	0.990" to 1.010"	0.995" to 1.005"
2	1.992" to 2.008"	1.985" to 2.015"	1.990" to 2.010"
3	2.989" to 3.011"	2.980" to 3.020"	2.985" to 3.015"
4	3.986" to 4.014"	3.975" to 4.025"	3.980" to 4.020"
5	4.983" to 5.017"	4.970" to 5.030"	4.975" to 5.025"
6	5.980" to 6.020"	5.965" to 6.035"	5.970" to 6.030"
7	6.977" to 7.023"	6.960" to 7.040"	6.965" to 7.035"
8	7.974" to 8.026"	7.955" to 8.045"	7.960" to 8.040"
9	8.971" to 9.029"	8.950" to 9.050"	8.955" to 9.045"
10	9.968" to 10.032"	9.945" to 10.055"	9.950" to 10.050"
11	10.965" to 11.035"	10.940" to 11.060"	10.945" to 11.055"
12	11.962" to 12.038"	11.935" to 12.065"	11.940" to 12.060"

Tolerance Guide

Process	First Inch	Each Additional Inch
SLA and Polyjet	±0.005	±0.003
FDM	±0.010	±0.005
SLS	±0.005	±0.005

Note: Geometry and part size impact the ability of the process to meet this guideline, and must be determined on a case-by-case basis.