

Molded Rubber Products
“A2” Precision
Tolerance Table*

Size (Inches)	Fixed	Closure	Size (Millimeters)	Fixed	Closure
Above / Including	Tolerances	Tolerances	Above / Including	Tolerances	Tolerances
0.000" - 0.100"	± .003"	± .005"	0.000 - 2.540	±0.080	±0.130
0.101" - 0.190"	± .004"	± .006"	2.570 - 4.830	±0.100	±0.150
0.191" - 0.255"	± .005"	± .007"	4.830 - 6.480	±0.130	±0.180
0.256" - 0.382"	± .006"	± .008"	6.500 - 9.700	±0.150	±0.200
0.383" - 0.510"	± .007"	± .009"	9.730 - 12.950	±0.180	±0.230
0.511" - 0.695"	± .008"	± .010"	12.980 - 17.650	±0.200	±0.250
0.696" - 1.064"	± .010"	± .012"	17.680 - 27.030	±0.250	±0.300
1.065" - 1.564"	± .012"	± .014"	27.050 - 39.730	±0.300	±0.360
1.565" - 2.064"	± .014"	± .016"	39.750 - 52.430	±0.360	±0.410
2.065" - 2.564"	± .016"	± .018"	52.450 - 65.130	±0.410	±0.460
2.565" - 3.064"	± .018"	± .020"	65.150 - 77.830	±0.460	±0.510
3.065" - 4.064"	± .020"	± .022"	77.850 - 103.230	±0.510	±0.560
4.065" - 5.064"	± .023"	± .025"	103.250 - 128.630	±0.580	±0.640
5.065" - 6.064"	± .025"	± .027"	128.650 - 154.030	±0.640	±0.690
6.065" - 7.064"	± .027"	± .029"	154.050 - 179.430	±0.690	±0.740
7.065" - 8.064"	± .030"	± .032"	179.450 - 204.830	±0.770	±0.820
8.065" - 9.064"	± .034"	± .036"	204.850 - 230.230	±0.870	±0.920
9.065" -10.064"	± .038"	± .040"	230.250 - 255.630	±0.970	±1.020
10.065" -11.064"	± .042"	± .044"	255.650 - 281.030	±1.070	±1.120
11.065" -12.064"	± .046"	± .048"	281.050 - 306.430	±1.170	±1.230
12.065" -13.064"	± .050"	± .052"	306.450 - 331.830	±1.280	±1.330
13.065" -14.064"	± .054"	± .056"	331.850 - 357.230	±1.380	±1.430
14.065" -15.064"	± .058"	± .060"	357.250 - 382.630	±1.480	±1.530
15.065" -16.064"	± .062"	± .064"	382.650 - 408.030	±1.580	±1.630
16.065" -17.064"	± .066"	± .068"	408.250 - 433.430	±1.680	±1.730
17.065" -18.064"	± .070"	± .072"	433.450 - 458.830	±1.780	±1.840
18.065" -19.064"	± .074"	± .076"	458.850 - 484.230	±1.890	±1.940
19.065" -20.064"	± .078"	± .080"	484.250 - 509.630	±1.990	±2.040
20.065" -21.064"	± .082"	± .084"	509.650 - 535.030	±2.090	±2.140
21.065" -22.064"	± .086"	± .088"	535.050 - 560.430	±2.190	±2.240
22.065" -23.064"	± .090"	± .092"	560.450 - 585.830	±2.290	±2.340
23.065" -24.064"	± .094"	± .096"	585.850 - 611.230	±2.390	±2.440
24.065" -25.064"	± .098"	± .100"	611.250 - 636.630	±2.500	±2.550

Drawing designation “A2” tolerances indicate a precision molded rubber product. Molds must be precision machined and kept in good repair. While measurement methods may be simpler than with drawing designation “A1” high precision for molded rubber products, careful inspection will usually be required.

*Source: RMA or Rubber Manufacturers Association