

**RMA Tolerances – Molded Rubber Parts**

Standard based on Rubber Manufacturers Association (RMA) recommendations.

RMA Class	Drawing designation	Dimension range (mm)	Range (in)	Fixed tolerance ± (mm)	Fixed tolerance ± (in)	Closure/parting tolerance ± (mm)	Closure/parting tolerance ± (in)
<b>A1 (High precision)</b>	A1	0-10	0.000"-0.394"	±0,10	±0.004"	±0,13	±0.005"
		10-16	0.394"-0.630"	±0,13	±0.005"	±0,16	±0.006"
		16-25	0.630"-0.984"	±0,16	±0.006"	±0,20	±0.008"
		25-40	0.984"-1.575"	±0,20	±0.008"	±0,25	±0.010"
		40-63	1.575"-2.480"	±0,25	±0.010"	±0,32	±0.013"
		63-100	2.480"-3.937"	±0,32	±0.013"	±0,40	±0.016"
		100-160	3.937"-6.299"	±0,40	±0.016"	±0,50	±0.020"
<b>A2 (Précision)</b>	A2	0-10	0.000"-0.394"	±0,16	±0.006"	±0,20	±0.008"
		10-16	0.394"-0.630"	±0,20	±0.008"	±0,25	±0.010"
		16-25	0.630"-0.984"	±0,25	±0.010"	±0,32	±0.013"
		25-40	0.984"-1.575"	±0,32	±0.013"	±0,40	±0.016"
		40-63	1.575"-2.480"	±0,40	±0.016"	±0,50	±0.020"
		63-100	2.480"-3.937"	±0,50	±0.020"	±0,63	±0.025"
		100-160	3.937"-6.299"	±0,63	±0.025"	±0,80	±0.031"

			6.299"				
<b>A3 (Commercial)</b>	<b>A3</b>	0-10	0.000"- 0.394"	±0,20	±0.008"	±0,32	±0.013"
		10-16	0.394"- 0.630"	±0,25	±0.010"	±0,40	±0.016"
		16-25	0.630"- 0.984"	±0,32	±0.013"	±0,50	±0.020"
		25-40	0.984"- 1.575"	±0,40	±0.016"	±0,63	±0.025"
		40-63	1.575"- 2.480"	±0,50	±0.020"	±0,80	±0.031"
		63-100	2.480"- 3.937"	±0,63	±0.025"	±1,00	±0.039"
		100-160	3.937"- 6.299"	±0,80	±0.031"	±1,25	±0.049"
<b>A4 (Non-critical)</b>	<b>A4</b>	0-10	0.000"- 0.394"	±0,32	±0.013"	±0,80	±0.031"
		10-16	0.394"- 0.630"	±0,40	±0.016"	±0,90	±0.035"
		16-25	0.630"- 0.984"	±0,50	±0.020"	±1,00	±0.039"
		25-40	0.984"- 1.575"	±0,63	±0.025"	±1,12	±0.044"
		40-63	1.575"- 2.480"	±0,80	±0.031"	±1,25	±0.049"
		63-100	2.480"- 3.937"	±1,00	±0.039"	±1,40	±0.055"
		100-160	3.937"- 6.299"	±1,25	±0.049"	±1,60	±0.063"

Note: These tolerances are based on the RMA standard for molded rubber parts. Values may vary depending on the composition, size, mold design, and molding process. Always verify with engineering prior to final production.