



### SWISS MACHINING STANDARD TOLERANCES

Attainable prototype or short run production dimensional tolerances depends on the choice of technology used to make the prototype or short-run parts. Actual capabilities are dependent upon manufacturing, equipment, materials, and part requirements. For unique requirements to ensure specs are met within the limitation of our technologies, capabilities and processes, a 2D drawing print (s), tolerances, and / or other requirements are required in writing when quotation is requested. We are fully equipped to fabricate components for companies and can quote from PDF 2D drawing (s), STEP, IGES, and SLDPRT model formats.

<b>Technology:</b>	Swiss Machining
<b>Material type:</b>	Metal or Plastic
<b>CNC Materials Metal:</b>	Alloy Steel, Aluminum, Brass, Copper, Stainless Steel, Steel, Titanium
<b>CNC Materials Plastic:</b>	ABS, Acetal, Acrylic, Delrin, PVC, Nylon, Polycarbonate, Teflon, Ultem
<b>Surface Finish - Ra:</b>	of 8
<b>Dimensional Tolerances:</b>	± .0004 in. (Typical) ~ ± 0.0001 in. (Feasible ~ Tight Tolerance Swiss Machine Parts Ultra-Precision Swiss Machine Parts)
<b>Outer Diameter:</b>	Minimum (Inquire) ~ Maximum 1.25 in.(32mm)
<b>Industries For This Technology:</b>	Agriculture, Aircraft, Automation, Automotive (Bushings, Gaskets, Valves Plugs, Valve Seats), Instrumentation & Fluid Systems, Medical (TFW Balls, Inserts, Fittings, Beads, Plugs, Nipples, Plates, Supports, Poppets, Guides, Stems, Pushers, Caps), Oil & Gas, Pump and Valve, Telecommunications.

Disclaimer: The data above is general information and may vary from machine to machine or supplier to supplier. All tolerance specifications reflect the approximate range of a process's capabilities and should be viewed only as a guide. These dimensional tolerances, buyer assumes sole responsibility for the design, and must test and verify the material of the product for each specific application applies to their internal requirements.