CNC MILLING STANDARD TOLERANCES

Attainable prototype 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.

Technology:	CNC Milling
Material type:	Metal or Plastic
CNC Materials Metal:	Alloy Steel, Aluminum, Brass, Copper, Stainless Steel, Steel, Titanium
CNC Materials Plastic:	ABS, Acetal, Acrylic, Delrin, PVC, Nylon 6/6, Polycarbonate, Teflon, Ultem
Surface Finish - Ra:	32 ~ 125 µin (Typical) ~ 8 ~ 500 µin (Feasible)
Dimensional Tolerances:	± 0.005 in. (Typical) ~ ± 0.0005 in. (Feasible)
Max Wall Thickness:	0.04 ~ 40 in. (Typical) ~ 0.04 ~ 72 in (Feasible)
Industries For This Technology:	Aircraft, Agriculture, Automotive, Electronics, Electrical, Fluid Power, Food & Dairy, Hardware & Locks, Heavy Machinery, HVAC, Industrial Automation, Medical, Motion Drive Automation, Oil & Gas, Power Generation, Renewable Energy .

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.