

PROTOTYPE DIE CASTING 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, material selection, 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:	Die Casting
Material type:	Metal
Materials:	Aluminum, Zinc, Zinc–Aluminum
Part Size:	Few oz. to Medium or Large.
Surface Finish – Ra :	32 ~ 63 μin (Typical) / 16 ~ 125 μin (Feasible)
Dimensional Tolerances:	± 0.005 in. (Tight Tolerance With 2D Drawing Prints) ~ Secondary Machining Available For Tighter Tolerance is Feasible.
Wall Thickness:	.030 in. (Thinner Wall Thickness Feasible Aid By Alternative Processes)
Ideal Uses For This Technology:	Camera Chassis, Housings, Engine Parts, Pump Components, Frames, Latches, Cooling Fan, Camera Base, Air Valve, Lens Covers, Heat Sink.

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.