

1 Kenner Court Riverdale, NJ 07457 p973-839-4432 50 Optical Ave Keene, NH 03431 p603-352-1667 400 Heattherwilde Blvd. Pflugerville, TX 78860 p512-989-3000

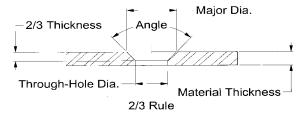
## Manufacturing Standards 7.2-S001

The following information describes EVS Metal's manufacturing standards. In the event that details regarding tolerancing are not provided (for example: when we receive only a solid model or a physical sample, an undimensioned or underdimensioned print) these tolerances will be applied. EVS may also specify a quotation is based on these standards at the time of quote when tolerance on a print cannot be met with stand manufacturing methods. While this does not indicate the tightest tolerances that EVS can hold, it represents referenced industry standards achievable with our normal manufacturing processes. While the addition of secondary processes such as reaming, machining, hard tooling, etc. may improve the tolerances which can be held, they will impact cost. Any critical tolerances must be indicated as such by the customer upon placement of an order and will be evaluated by our Engineering Department for manufacturabilty. Unless we at EVS receive specific instructions to the contrary, all dimesnions/tolerances are to be applied before finish.

Description	Tolerance in inches
Hardware Hole Diameter	+.003 /000
Hole Diameter	+/005
Countersink Major Diameter	+/005
Countersink Minor Diameter	+/010

Standard Dimensions		
Description	Tolorance	
Angular	+/- 1 degree	
Fractional	+/- 1/64	

## Standard For Turret Formed Countersinks to avoid distortion caused by material displacement



Locational Dimensions		
Description	Tolerance (in)	
Edge to Bend across 1 or 2 bends	+/010	
Edge to Bend across 3 bends	+/015	
Edge to Edge across no bends	+/005	
Edge to Edge across 1 or 2 bends	+/010	
Edge to Edge across 3 bends	+/015	
Bend to Bend across 1 or 2 bends	+/010	
Bend to Bend across 3 bends	+/015	
Feature to feature across 4 bends	+/020	
	+/020	
Feature to feature across more than 4 bends	+.005 each	
realure to realure across more than 4 benus	additional	
	bend	
Edge to Hole across no bends	+/005	
Hole to bend formed off of the same plane	+/010	
Hole to Hole on same plane	+/005	
Part to Part in welded sheet metal assembly	(see note)	
Note: due to the inherent differences in welded assemblies, EVS will review customer		
requirements and establish acceptable standards prior to starting production.		

Solid Model format by order of preference: SolidWorks (.SLDPRT, .SLDASM), Pro-E (.PRT, .ASM), Parasolid, STEP, IGES

EVS DEFAULT PLATING SPECIFICATIONS		
Process	Material or other pertinent factors	Specification nomenclature
Clear Zinc	N/A	ASTM B633-98, Class FE/ZN 8, Type III
Yellow Zinc	N/A	ASTM B633-98, Class FE/ZN 8, Type II, Yellow Chromate
Black Zinc	N/A	ASTM B633-98, Class FE/ZN 8, Type II, Black Chromate
Clear Iridite	N/A	MIL-C-5541E, Class 1A, Clear
Yellow Iridite	N/A	MIL-C-5541E, Class 1A
Electrodeposited Nickel	COPPER	QQ-N-290A, Class 1, Grade D
Electrodeposited Nickel	STEEL	QQ-N-290A, Class 1, Grade C
Electroless Nickel	ALUMINUM	MIL-C-26074E, Class 1, Grade A
Electroless Nickel	COPPER	MIL-C-26074E, Class 1, Grade B
Electroless Nickel	STEEL	MIL-C-26074E, Class 1, Grade C
Anodize – Clear	N/A	MIL-A-8625F, Type 2, Class 1
Anodize – Black	N/A	MIL-A-8625F, Type II, Class 2, Black
Anodize – Gold	N/A	MIL-A-8625F, Type II, Class 2, Gold
Anodize – Grey	N/A	MIL-A-8625F, Type II, Class 2, Grey
Tin Plate	BRIGHT DIP must be specified if required.	ASTM-B545-97, Class A