

PRINT QUESTIONS PER DEPARTMENT

LASER:

- DO YOU HAVE A DXF OR DWG FILE? IF YES, IS IT TO SCALE?
- GRAIN DIRECTION?
- ALL NECESSARY DIMENSIONS ON PRINT?
- DOES ANYTHING NEED TO FIT INSIDE HOLES ON PART? IF YES, PLEASE EXPLAIN.
- TOLERANCE +/- WHAT?
- PLEASE SHOW FORMING IF IT APPLIES. IF FORMED, ARE DIMENSIONS OD OR ID?
- IF YOUR PART HAS LETTERS FOR CUTTING OR ETCHING PLEASE PROVIDE THE FONT.
- *PLEASE NOTE WE CANNOT PUT HOLES SMALLER THAN THE THICKNESS OF THE MATERIAL IN YOUR PART. WE CAN ETCH THEM FOR DRILLING IF NECESSARY. (UNLESS IT'S ALUMINUM)

FORMING:

- ARE YOUR DIMENSIONS ID OR OD?
- GRAIN DIRECTION? (WIDTH OR LENGTH)
- PVC (MASKING) TO INSIDE OR OUTSIDE?
- DIAMOND PLATE TREAD TO INSIDE OR OUTSIDE OF PART?
- TOLERANCE +/- WHAT?

MACHINING:

- TOLERANCE +/- WHAT?
- SURFACE FINISH?
- DO THE PARTS NEED PAINT, PLATED, ANODIZED AND ETC.?
- THREAD TYPE I/D, O/D DIAMETER & LEAD
- RADIUS, CHAMFER, LEAD IN WHAT SIZE?
- TOLERANCES OTHER THAN LISTED BELOW WILL NEED TO BE DISCUSSED BEFORE ORDER IS TAKEN
- STANDARD TOLERANCES ARE, FRACTIONS +/- .015", 1 PLACE DECIMAL +/- .015", 2 PLACE DECIMAL +/- .010", 3 PLACE DECIMAL +/- .005", 4 PLACE DECIMAL +/- .001".

FABRICATION:

- WHAT KIND OF FINISH? GRIND WELDS SMOOTH? DA FINISH? MILL FINISH? PRIMED? COLOR?
- WHAT PROCESSES ARE BEING APPLIED AFTER COMPLETION? EX: POWDER COATING? SAND BLASTING? GALVANIZING? ANODIZING? PAINTING?
- WHAT ARE THE CRITICAL DIMENSIONS?
- ARE ALL DIMENSIONS CLEARLY MARKED FOR ALL HOLES, SLOTS, NOTCHES, COPES, FLANGES, TABS, ETC.?
- IS THE PART STRUCTURAL, COSMETIC, OR BOTH?

PLASMA/FLAME:

- EXPECTED TOLERANCES +/- WHAT?
- WHAT ARE FINISHED DIMENSIONS OF YOUR PART?
- HOLE LOCATIONS ON CENTER DOES SOMETHING FIT THROUGH THE HOLES?
- GRADES OF MATERIAL? POSSIBLE SUBSTITUTES?
- NUMBER OF PARTS REQUIRED?
- IS THIS PART BEING MACHINED? EDGES WILL HARDEN FROM CUTTING.

SHEARING:

- TOLERANCES +/- WHAT?
- DOES IT NEED TO BE PERFECTLY SQUARE? THICKER PLATES HAVE BEVEL TO EDGE.
- ALLOY & THICKNESS SUBSTITUTE IF WE ARE OUT OF STOCK?
- GRAIN DIRECTION?
- FINISH, SCRATCH FREE?
- NARROW PIECES WILL TWIST WHEN SHEARED. CONSIDER LASER CUTTING FOR NARROW STRIPS.

SAWING:

- DO YOU NEED A DIFFERENT TOLERANCE OTHER THAN OUR STANDARD TOLERANCE WHICH IS 1/16"? IF A TIGHTER TOLERANCE IS REQUIRED THIS MUST BE DISCUSSED BEFORE ORDER IS TAKEN.
- WHAT ARE THE FINISH DIMENSIONS ON THE PART?
- CUT OUTS?
- ANGLES?
- CUT LIST?
- ARE THE PARTS BEING POWDER COATED, ANODIZED, OR PAINTED? CUTTING FLUID CAN STAIN MATERIAL.