



**Complete Assembly, Sheet Metal,  
Machined and Welded Components.**

- > ISO 9001 certified quality management system
- > Certified Welding to MIL-STD-1595a for process DTAW Group 1b, 1ia
- > 100% in-process inspection
- > Certified inspection reports
- > U.S. Department of State ITAR Registered company

**April**  
Featured Part

**All CAD Formats:**

Solidworks (sldprt, sldasm), AutoCAD (dwg, dxf), Inventor, Pro/E, CATIA 4/5, Unigraphics, Parasolid, ACIS SAT, iges, step, ckd, prt, stl



**April's Fool**

This month's featured part is cage-free, gluten-free and was not produced in a facility that also handles tree nuts. This part contains no high fructose corn syrup, was responsibly farmed, and has received an animal welfare rating of 4. This part is bee-friendly (will not contribute to colony collapse disorder), it is made from 100% recyclable materials, and contains no dyes or perfumes. This part is hypo-allergenic, will not shed, and is gender neutral. The state of California makes no assertions regarding this part, it has not been seen on TV, and no salesman will visit your home. But most importantly, your satisfaction is 100% guaranteed.

**Problem:**

The theory of relativity connects the mass at high speed with initial mass, the velocity of the object  $v$ , and the speed of light  $c$ . How much heavier is a bullet that navigates at 60% of the speed of light?

- a. 40%
- b. 20%
- c. 25%
- d. 36%

$$m = \frac{m_0}{\sqrt{1 - \frac{v^2}{c^2}}}$$

**Quiz:**

Even the ancient Romans had a day of jokes. When did it take place?

- a. April Fools Day
- b. Festival of Parilia
- c. Festival of Hilaria
- d. Festival of Veneralia

\*Please be sure to check our website for answers to all previous months Problems and Quizzes! Go to [www.metalwork.com](http://www.metalwork.com) and click on Problem of the Month link.

**Quote:**

"Everything not saved will be lost."

~ Nintendo "Quit Screen" Message ~

