

## Forklift Fuel Tanks

Forklift Fuel Tank - Several fuel tanks are made by expert metal craftspeople, although the majority of tanks are fabricated. Custom and restoration tanks can be seen on tractors, motorcycles, aircraft and automotive.

There are a series of certain requirements to be followed when making fuel tanks. Commonly, the craftsman sets up a mockup so as to find out the accurate shape and size of the tank. This is often performed using foam board. Afterward, design concerns are addressed, comprising where the drain, outlet, seams, baffles and fluid level indicator will go. The craftsman should find out the alloy, thickness and temper of the metal sheet he will use to construct the tank. When the metal sheet is cut into the shapes needed, lots of parts are bent so as to make the basic shell and or the ends and baffles used for the fuel tank.

Lots of baffles in aircraft and racecars have "lightening" holes. These flanged holes have two purposes. They reduce the weight of the tank while adding weight to the baffles. Openings are added toward the ends of construction for the fuel pickup, the filler neck, the fluid-level sending unit and the drain. Sometimes these holes are added once the fabrication method is finish, other times they are created on the flat shell.

The baffle and the ends are afterward riveted in place. Frequently, the rivet heads are brazed or soldered in order to prevent tank leakage. Ends can afterward be hemmed in and flanged and brazed, or soldered, or sealed with an epoxy kind of sealant, or the ends can even be flanged and then welded. After the welding, soldering and brazing has been completed, the fuel tank is tested for leaks.