

## Forklift Fuel Tank

Forklift Fuel Tank - Most fuel tanks are fabricated; nevertheless several fuel tanks are made by trained craftsmen. Restored tanks or custom tanks can be seen on motorcycles, aircraft, automotive and tractors.

There are a series of specific requirements to be followed when constructing fuel tanks. Commonly, the craftsman sets up a mockup to be able to determine the exact size and shape of the tank. This is usually done making use of foam board. Afterward, design issues are addressed, comprising where the drain, outlet, seams, baffles and fluid level indicator will go. The craftsman needs to know the alloy, temper and thickness of the metal sheet he will use to construct the tank. Once the metal sheet is cut into the shapes needed, numerous pieces are bent so as to create the basic shell and or the baffles and ends for the fuel tank.

In aircraft and racecars, the baffles have "lightening" holes, which are flanged holes that provide strength to the baffles, while likewise reducing the tank's weight. Openings are added toward the ends of construction for the drain, the fuel pickup, the filler neck and the fluid-level sending unit. Sometimes these holes are added once the fabrication process is complete, other times they are created on the flat shell.

Then, the baffles and ends could be riveted into place. The rivet heads are normally brazed or soldered to be able to stop tank leaks. Ends can after that be hemmed in and flanged and brazed, or soldered, or sealed with an epoxy type of sealant, or the ends can also be flanged and afterward welded. After the brazing, welding and soldering has been completed, the fuel tank is tested for leaks.