

## Fuel Tanks for Forklift

Forklift Fuel Tank - The majority of fuel tanks are manufactured; nonetheless some fuel tanks are made by trained craftsmen. Restored tanks or custom tanks could be found on motorcycles, aircraft, automotive and tractors.

There are a series of particular requirements to be followed when making fuel tanks. Usually, the craftsman sets up a mockup so as to determine the exact size and shape of the tank. This is normally performed from foam board. Next, design concerns are addressed, including where the seams, drain, outlet, baffles and fluid level indicator will go. The craftsman needs to find out the alloy, thickness and temper of the metallic sheet he will use to make the tank. When the metal sheet is cut into the shapes required, lots of parts are bent in order to create the basic shell and or the baffles and ends used for the fuel tank.

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

The ends and the baffles are afterward riveted in place. Normally, the rivet heads are soldered or brazed to be able to avoid tank leakage. Ends could next be hemmed in and flanged and brazed, or soldered, or sealed using an epoxy type of sealant, or the ends could even be flanged and then welded. After the brazing, welding and soldering has been finished, the fuel tank is tested for leaks.