

## Forklift Fuel Tank

Forklift Fuel Tanks - Various fuel tanks are fabricated by trained metal craftsmen, even though most tanks are fabricated. Restoration and custom tanks could be seen on aircraft, automotive, tractors and motorcycles.

When constructing fuel tanks, there are a series of requirements that ought to be adopted. First, the tanks craftsman would create a mockup to determine the measurements of the tank. This is normally performed from foam board. Afterward, design problems are addressed, including where the drain, outlet, seams, baffles and fluid level indicator will go. The craftsman must find out the alloy, temper and thickness of the metallic sheet he will make use of in order to construct the tank. When the metal sheet is cut into the shapes needed, lots of parts are bent so as to create the basic shell and or the baffles and ends used for the fuel tank.

In racecars and aircraft, the baffles contain "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 filler neck, the fluid-level sending unit, the drain and the fuel pickup. Sometimes these holes are added when the fabrication process is complete, other times they are created on the flat shell.

The baffle and the ends are then riveted in position. Often, the rivet heads are soldered or brazed to be able to prevent tank leakage. Ends can next be hemmed in and flanged and brazed, or soldered, or sealed with an epoxy kind of sealant, or the ends could even be flanged and after that welded. After the welding, soldering and brazing has been finished, the fuel tank is tested for leaks.