Fuel Tanks for Forklift

Forklift Fuel Tank - Several fuel tanks are fabricated by experienced metal craftsmen, even though the majority of tanks are fabricated. Custom and restoration tanks could be found on motorcycles, aircraft, automotive and tractors.

There are a series of certain requirements to be followed when constructing fuel tanks. Typically, the craftsman sets up a mockup so as to find out the exact size and shape of the tank. This is often done out of foam board. After that, design concerns are handled, comprising where the outlets, seams, drain, baffles and fluid level indicator will go. The craftsman needs to know the alloy, thickness and temper of the metal sheet he would use in order to construct the tank. As soon as the metal sheet is cut into the shapes required, numerous parts are bent so as to make the basic shell and or the baffles and ends for the fuel tank.

Various baffles in racecars and aircraft hold "lightening" holes. These flanged holes have two purposes. They add strength to the baffles while reducing the weight of the tank. Openings are added toward the ends of construction for the fuel pickup, the filler neck, the fluid-level sending unit and the drain. Every now and then these holes are added as soon as the fabrication process is complete, other times they are made on the flat shell.

The ends and the baffles are afterward riveted in position. Normally, the rivet heads are soldered or brazed so as to avoid tank leakage. Ends can then be hemmed in and flanged and soldered, or sealed, or brazed making use of an epoxy kind of sealant, or the ends could also be flanged and after that welded. After the brazing, welding and soldering has been completed, the fuel tank is tested for leaks.