

Fuel Tanks for Forklift

Forklift Fuel Tanks - Several fuel tanks are made by expert metal craftspeople, even if most tanks are manufactured. Restoration and custom tanks can be used on motorcycles, aircraft, automotive and tractors.

When constructing fuel tanks, there are a series of requirements that should be adopted. Initially, the tanks craftsman will create a mockup to be able to find out the dimensions of the tank. This is normally performed using foam board. Afterward, design problems are addressed, comprising where the drain, outlet, seams, baffles and fluid level indicator would go. The craftsman must find out the alloy, temper and thickness of the metal sheet he will use to make the tank. As soon as the metal sheet is cut into the shapes required, lots of parts are bent so as to create the basic shell and or the baffles and ends utilized for the fuel tank.

Several baffles in aircraft and racecars have "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. Occasionally these holes are added as soon as the fabrication method is complete, other times they are made on the flat shell.

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