

Fuel Tanks for Forklift

Forklift Fuel Tank - Nearly all fuel tanks are manufactured; however various fuel tanks are made by expert craftspeople. Restored tanks or custom tanks could be used on aircraft, automotive, tractors and motorcycles.

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 find out the correct size and shape of the tank. This is often performed from foam board. Afterward, design problems are dealt with, consisting of where the seams, drain, outlet, baffles and fluid level indicator will go. The craftsman must find out the alloy, thickness and temper of the metal sheet he will use to construct the tank. Once the metal sheet is cut into the shapes needed, a lot of parts are bent to be able to create the basic shell and or the baffles and ends utilized for the fuel tank.

In racecars and aircraft, the baffles have "lightening" holes, which are flanged holes that provide strength to the baffles, while also 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. Occasionally these holes are added as soon as the fabrication process is finish, other times they are made on the flat shell.

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