

Fuel Tanks for Forklift

Forklift Fuel Tank - Various fuel tanks are made by expert metal craftsmen, although the majority of tanks are built. Custom and restoration tanks could be found on aircraft, automotive, tractors and motorcycles.

When constructing fuel tanks, there are a series of requirements that should be followed. Initially, the tanks craftsman would create a mockup to find out the dimensions of the tank. This is usually done out of foam board. Next, design issues are handled, consisting of where the seams, drain, outlet, baffles and fluid level indicator would go. The craftsman must find out the alloy, temper and thickness of the metal sheet he would make use of to construct the tank. Once the metal sheet is cut into the shapes required, numerous pieces are bent in order to make the basic shell and or the ends and baffles used for the fuel tank.

In racecars and aircraft, the baffles have "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 fluid-level sending unit, the drain, the fuel pickup and the filler neck. Occasionally these holes are added when the fabrication method is finish, other times they are made on the flat shell.

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