

Fuel Tanks for Forklift

Fuel Tanks for Forklift - Nearly all fuel tanks are manufactured; nevertheless some fuel tanks are made by experienced craftspeople. Restored tanks or custom tanks can be seen on aircraft, automotive, tractors and motorcycles.

When constructing fuel tanks, there are a series of requirements which must be followed. Primarily, the tanks craftsman would create a mockup to know the dimensions of the tank. This is normally done using foam board. Then, design concerns are handled, consisting of where the outlets, seams, drain, baffles and fluid level indicator would go. The craftsman should know the alloy, temper and thickness of the metal sheet he will use in order to make the tank. Once the metal sheet is cut into the shapes required, lots of parts are bent to be able to make the basic shell and or the baffles and ends for the fuel tank.

A lot of baffles in aircraft and racecars contain "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 fluid-level sending unit, the drain, the fuel pickup and the filler neck. Occasionally these holes are added when the fabrication process is complete, other times they are made on the flat shell.

Afterward, the baffles and ends could be riveted into place. The rivet heads are normally brazed or soldered so as to stop tank leaks. Ends could next be hemmed in and flanged and sealed, or brazed, or soldered making use of an epoxy kind of sealant, or the ends can also be flanged and after that welded. After the soldering, brazing and welding has been done, the fuel tank is checked for leaks.