

Fuel Tanks for Forklift

Forklift Fuel Tank - Most fuel tanks are built; however various fuel tanks are fabricated by experienced craftsmen. Restored tanks or custom tanks can be seen on tractors, motorcycles, aircraft and automotive.

There are a series of particular requirements to be followed when making fuel tanks. Usually, the craftsman sets up a mockup in order to know the correct shape and size of the tank. This is often done making use of foam board. After that, design concerns are handled, consisting of where the outlets, seams, drain, baffles and fluid level indicator will go. The craftsman has to determine the alloy, temper and thickness of the metallic sheet he would use to construct the tank. When the metal sheet is cut into the shapes needed, a lot of parts are bent to be able to make the basic shell and or the baffles and ends for the fuel tank.

Numerous baffles in aircraft and racecars 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 drain, the fuel pickup, the filler neck and the fluid-level sending unit. Sometimes these holes are added once the fabrication method is complete, other times they are created on the flat shell.

Then, the ends and baffles could be riveted into place. The rivet heads are often soldered or brazed to be able to avoid tank leaks. Ends can next be hemmed in and flanged and brazed, or soldered, or sealed with an epoxy type of sealant, or the ends could even be flanged and next welded. After the brazing, welding and soldering has been done, the fuel tank is checked for leaks.