

Forklift Fuel Tank

Fuel Tanks for Forklift - Several fuel tanks are fabricated by expert metal craftspeople, even if most tanks are fabricated. Custom and restoration tanks could be seen on tractors, motorcycles, aircraft and automotive.

There are a series of specific requirements to be followed when constructing fuel tanks. Usually, the craftsman sets up a mockup to be able to know the accurate size and shape of the tank. This is usually done using foam board. Afterward, design problems are dealt with, consisting of where the seams, drain, outlet, baffles and fluid level indicator will go. The craftsman should determine the alloy, thickness and temper of the metallic sheet he would use to construct the tank. Once the metal sheet is cut into the shapes required, a lot of pieces are bent in order to create the basic shell and or the baffles and ends used for the fuel tank.

Lots of 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 drain, the fuel pickup, the filler neck and the fluid-level sending unit. Sometimes these holes are added when the fabrication method is finish, other times they are made on the flat shell.

After that, the ends and baffles can be riveted into position. The rivet heads are often soldered or brazed in order to stop tank leaks. Ends can after that be hemmed in and flanged and soldered, or sealed, or brazed making use of an epoxy type of sealant, or the ends could even be flanged and after that welded. After the welding, soldering and brazing has been finished, the fuel tank is checked for leaks.