

Forklift Fuel Tanks

Fuel Tank for Forklift - The majority of fuel tanks are manufactured; however some fuel tanks are fabricated by trained craftspeople. Restored tanks or custom tanks could be found on tractors, motorcycles, aircraft and automotive.

There are a series of specific requirements to be followed when making fuel tanks. Commonly, the craftsman sets up a mockup to be able to determine the accurate shape and size of the tank. This is usually performed utilizing foam board. Afterward, design issues are addressed, comprising where the seams, drain, outlet, baffles and fluid level indicator will go. The craftsman has to find out the alloy, thickness and temper of the metal sheet he would utilize to be able to construct the tank. When the metal sheet is cut into the shapes required, lots of pieces are bent in order to create the basic shell and or the ends and baffles 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 fuel pickup, the filler neck, the fluid-level sending unit and the drain. At times these holes are added when the fabrication method is complete, other times they are made on the flat shell.

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