

Forklift Fuel Tanks

Fuel Tanks for Forklift - Various fuel tanks are made by trained metal craftsmen, though the majority of tanks are built. Restoration and custom tanks can be utilized on motorcycles, aircraft, automotive and tractors.

When constructing fuel tanks, there are a series of requirements that should be adopted. Primarily, the tanks craftsman would create a mockup to be able to determine the dimensions of the tank. This is often done from foam board. After that, design problems are addressed, including where the drain, outlet, seams, baffles and fluid level indicator would go. The craftsman has to know the alloy, thickness and temper of the metal sheet he will use to make the tank. Once 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 ends and baffles for the fuel tank.

In racecars and aircraft, the baffles hold "lightening" holes, which are flanged holes that provide strength to the baffles, while also reducing the tank's weight. 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 as soon as the fabrication process is finish, other times they are created on the flat shell.

The baffle and the ends are next riveted in place. Frequently, the rivet heads are soldered or brazed in order to prevent tank leakage. Ends can next be hemmed in and flanged and sealed, or brazed, or soldered making use of an epoxy type of sealant, or the ends could even be flanged and afterward welded. After the soldering, brazing and welding has been completed, the fuel tank is checked for leaks.