

Forklift Fuel Tanks

Forklift Fuel Tank - Various fuel tanks are made by experienced metal craftspeople, although nearly all tanks are manufactured. Custom and restoration tanks could be utilized on automotive, tractors, motorcycles and aircraft.

There are a series of specific requirements to be followed when making fuel tanks. Commonly, the craftsman sets up a mockup so as to find out the exact shape and size of the tank. This is normally done from foam board. Then, design issues are dealt with, comprising where the outlets, seams, drain, baffles and fluid level indicator would go. The craftsman needs to determine the alloy, temper and thickness of the metallic sheet he would use to make the tank. Once the metal sheet is cut into the shapes required, lots of parts are bent so as to create the basic shell and or the ends and baffles utilized for the fuel tank.

Many 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. Every so often these holes are added when the fabrication method is complete, other times they are created on the flat shell.

The ends and the baffles are then riveted in place. Frequently, the rivet heads are soldered or brazed to be able to avoid tank leakage. Ends can then be hemmed in and flanged and soldered, or sealed, or brazed using an epoxy kind of sealant, or the ends can even be flanged and after that welded. After the brazing, welding and soldering has been completed, the fuel tank is tested for leaks.