

Forklift Fuel Tank

Forklift Fuel Tank - Some fuel tanks are made by trained metal craftsmen, even if the majority of tanks are built. Restoration and custom tanks can be seen on automotive, tractors, motorcycles and aircraft.

When constructing fuel tanks, there are a series of requirements which must be adopted. Primarily, the tanks craftsman would create a mockup so as to know the dimensions of the tank. This is normally done making use of foam board. Then, design concerns are addressed, comprising where the drain, outlet, seams, baffles and fluid level indicator will go. The craftsman must find out the alloy, temper and thickness of the metal sheet he will make use of to make the tank. Once the metal sheet is cut into the shapes required, lots of pieces are bent to be able to create the basic shell and or the ends and baffles for the fuel tank.

In racecars and aircraft, the baffles have "lightening" holes, which are flanged holes which provide strength to the baffles, while likewise reducing the tank's weight. Openings are added toward the ends of construction for the filler neck, the fluid-level sending unit, the drain and the fuel pickup. Occasionally these holes are added once the fabrication process is complete, other times they are made on the flat shell.

Then, the baffles and ends could be riveted into position. The rivet heads are frequently brazed or soldered so as to prevent tank leaks. Ends can next be hemmed in and flanged and sealed, or brazed, or soldered utilizing an epoxy type of sealant, or the ends could even be flanged and then welded. After the welding, soldering and brazing has been completed, the fuel tank is tested for leaks.