Fuel Tanks for Forklift

Fuel Tank for Forklift - The majority of fuel tanks are fabricated; however several fuel tanks are fabricated by trained craftsmen. Restored tanks or custom tanks can be seen on aircraft, automotive, tractors and motorcycles.

There are a series of certain requirements to be followed when making fuel tanks. Typically, the craftsman sets up a mockup so as to determine the precise size and shape of the tank. This is often performed utilizing foam board. Afterward, design problems are dealt with, consisting of where the outlets, seams, drain, baffles and fluid level indicator will go. The craftsman must know the alloy, thickness and temper of the metallic sheet he would use to make the tank. Once the metal sheet is cut into the shapes required, lots of pieces are bent in order to make the basic shell and or the ends and baffles for the fuel tank.

Several baffles in racecars and aircraft 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 filler neck, the fluid-level sending unit, the drain and the fuel pickup. At times these holes are added as soon as the fabrication process is complete, other times they are created on the flat shell.

The baffle and the ends are then riveted in position. Frequently, the rivet heads are brazed or soldered in order to prevent tank leakage. Ends can next be hemmed in and flanged and brazed, or soldered, or sealed with an epoxy type of sealant, or the ends can even be flanged and then welded. After the brazing, welding and soldering has been finished, the fuel tank is tested for leaks.