Forklift Fuel Tank

Fuel Tanks for Forklift - Most fuel tanks are fabricated; nevertheless several fuel tanks are made by expert craftspeople. Custom tanks or restored tanks could be found on motorcycles, aircraft, automotive and tractors.

There are a series of certain requirements to be followed when constructing fuel tanks. Commonly, the craftsman sets up a mockup so as to determine the precise shape and size of the tank. This is usually done using foam board. After that, design issues are dealt with, consisting of where the drain, outlet, seams, baffles and fluid level indicator will go. The craftsman should determine the alloy, thickness and temper of the metal sheet he would use so as to construct the tank. When the metal sheet is cut into the shapes required, a lot of pieces are bent in order to create the basic shell and or the ends and baffles used for the fuel tank.

Numerous baffles in racecars and aircraft contain "lightening" holes. These flanged holes have two purposes. They reduce the weight of the tank while adding weight to the baffles. Openings are added toward the ends of construction for the drain, the fuel pickup, the filler neck and the fluid-level sending unit. Sometimes these holes are added as soon as the fabrication method is finish, other times they are created on the flat shell.

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