

Forklift Fuel Tanks

Forklift Fuel Tank - Nearly all fuel tanks are fabricated; however various fuel tanks are fabricated by trained craftsmen. Restored tanks or custom tanks can be used on aircraft, automotive, tractors and motorcycles.

There are a series of particular requirements to be followed when making fuel tanks. Usually, the craftsman sets up a mockup so as to determine the correct shape and size of the tank. This is often performed making use of foam board. After that, design concerns are addressed, including where the seams, drain, outlet, baffles and fluid level indicator would go. The craftsman has to find out the alloy, thickness and temper of the metallic sheet he would make use of in order to make the tank. When the metal sheet is cut into the shapes required, lots of pieces are bent to be able to make the basic shell and or the baffles and ends for the fuel tank.

Various baffles in racecars and aircraft have "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 fuel pickup, the filler neck, the fluid-level sending unit and the drain. Occasionally these holes are added as soon as the fabrication method is finish, other times they are created on the flat shell.

After that, the ends and baffles could be riveted into place. The rivet heads are normally soldered or brazed to be able to prevent tank leaks. Ends can afterward be hemmed in and flanged and soldered, or sealed, or brazed using an epoxy kind of sealant, or the ends can also be flanged and next welded. After the brazing, welding and soldering has been finished, the fuel tank is tested for leaks.