

Forklift Fuel Tanks

Fuel Tanks for Forklift - Various fuel tanks are made by experienced metal craftsmen, even though most tanks are built. Restoration and custom tanks can be utilized on tractors, motorcycles, aircraft and automotive.

There are a series of specific requirements to be followed when constructing fuel tanks. Typically, the craftsman sets up a mockup in order to find out the precise shape and size of the tank. This is usually done from foam board. Afterward, design problems are addressed, consisting of where the outlets, seams, drain, baffles and fluid level indicator will go. The craftsman must find out the alloy, thickness and temper of the metallic sheet he will make use of to make the tank. As soon as 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.

Many baffles in racecars and aircraft hold "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 process is complete, other times they are created on the flat shell.

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