

Forklift Fuel Tank

Forklift Fuel Tanks - Various fuel tanks are made by experienced metal craftspeople, though nearly all tanks are built. Restoration and custom tanks can be utilized on motorcycles, aircraft, automotive and tractors.

There are a series of certain requirements to be followed when making fuel tanks. Commonly, the craftsman sets up a mockup to be able to find out the precise shape and size of the tank. This is usually done from foam board. Next, design issues are handled, including where the drain, outlet, seams, baffles and fluid level indicator would go. The craftsman needs to know the alloy, thickness and temper of the metal sheet he would use to make the tank. Once the metal sheet is cut into the shapes required, numerous pieces are bent so as to create the basic shell and or the ends and baffles for the fuel tank.

Many baffles in aircraft and racecars 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. Every so often these holes are added when the fabrication process is done, other times they are made on the flat shell.

Afterward, the ends and baffles can be riveted into place. The rivet heads are often soldered or brazed so as to avoid tank leaks. Ends can next be hemmed in and flanged and sealed, or brazed, or soldered using an epoxy kind of sealant, or the ends could likewise be flanged and next welded. After the soldering, brazing and welding has been completed, the fuel tank is tested for leaks.