

Mast Rollers

The lift truck mast is an important part of the forklift's structure. These forklifts or lift truck vehicles are industrial equipment used in order to raise and transport merchandise.

The mast is a vertical assembly which is responsible for raising and lowering cargo. The mast of a forklift consists of interlocking rails to give some lateral support. These rails are guided by bushings or rollers.

The masts on forklifts use metal plates to transport merchandise and are driven by hydraulic mechanisms. Hydraulics is defined by the transmission of power which uses pressurized fluid, which in this instance is oil. Hydraulic cylinders that connect directly to the lift truck motor are responsible for driving the mast, causing it to lower, lift or tilt cargo. The pressurized oil drives the cylinder piston to move in a linear motion, or in strokes. The mast is often operated by means of a lever in the cab or positioned in the area of the lift truck which houses the forklift control parts and the worker.

A swing mast is a lift truck mast which can revolve ninety degrees in one direction. The design enables the swing mast to work effectively in tight aisles.