

Mast Rollers for Forklift

Mast Roller - The lift truck mast is an important part of the lift truck's frame. These lift trucks or also called forklift vehicles are industrial machines used to pick up and transfer merchandise.

The mast is a vertical assembly that is responsible for raising and lowering the load. The mast of a lift truck consists of interlocking rails to provide some sideways support. These rails are guided by bushings or rollers.

Using metallic plates in order to help move merchandise, the masts are driven by hydraulic mechanisms. Hydraulics is the transmission of power which uses pressurized fluid, typically oil. Hydraulic cylinders which link directly to the forklift engine are responsible for driving the mast, causing it to lift, tilt or lower a load. The pressurized oil drives the cylinder piston to be able to move in a linear motion, or in strokes. The mast is normally worked by way of a lever in the cab or situated in the section of the forklift which houses the forklift control parts and the worker.

A swing mast defines a forklift truck utilizing a mast that can rotate in a ninety degree angle in one direction. This design enables the swing mast to operate in aisles which are less than 6 feet wide.