

## **Mast Rollers**

Mast Rollers - The mast of the lift truck is an integral part of the forklift's frame. These lift truck vehicles are huge industrial machines that help companies pick up and transfer materials and goods.

The vertical assembly responsible for raising or lowering a load is called the mast. A lift truck mast consists of interlocking rails that provide lateral support. These rails are guided by rollers or brushings.

The masts on lift trucks make use of metal plates to be able to transport materials and are driven by hydraulic systems. Hydraulics is defined by the transmission of power which uses pressurized fluid, which in this case is oil. Hydraulic cylinders which link directly to the forklift engine are responsible for driving the mast, causing it to tilt, lower or lift cargo. The pressurized oil drives the cylinder piston to move in a linear motion, or in strokes. The mast is normally operated by way of a lever inside the cab or situated in the section of the forklift which houses the forklift control components and the driver.

A swing mast defines a lift truck with a mast which can revolve in a ninety degree angle in one direction. This design allows the swing mast to operate in aisles which are less than 6 feet wide.