

## **Mast Roller**

Forklift Mast Rollers - The mast of the forklift is an important part of the lift truck's frame. These lift truck vehicles are large industrial machines that help companies lift a transfer supplies and merchandise.

The mast is a vertical assembly which is responsible for lowering and raising cargo. The mast of a lift truck consists of interlocking rails in order to provide some sideways steadiness. These rails are guided by bushings or rollers.

The masts on lift trucks make use of metal plates so as to transport merchandise and are driven by hydraulic mechanisms. Hydraulics is defined by the transmission of power which utilizes pressurized fluid, which in this situation is oil. Hydraulic cylinders which connect directly to the lift truck engine are responsible for driving the mast, causing it to lift, tilt or lower a load. The pressurized oil drives the cylinder piston to move in a linear motion, or in strokes. The mast is often operated via a handle inside the cab or situated in the section of the forklift that houses the forklift control parts and the operator.

A swing mast is a forklift mast that can swing 90 degrees in one direction. The design enables the swing mast to function efficiently in tight aisles.