

## **Mast Roller**

Mast Rollers - The lift truck mast is an integral piece of the forklift's structure. These lift trucks or lift truck vehicles are industrial machinery used so as to lift and transport materials.

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

Using metal plates to help transport materials, the masts are driven by hydraulic mechanisms. Hydraulics is the transmission of power through the use of a pressurized fluid, normally oil. Hydraulic cylinders which link directly to the lift truck motor are responsible for driving the mast, causing it to tilt, lower or lift a load. The pressurized oil drives the cylinder piston to be able to move in a linear motion, or in strokes. The mast is often operated via a handle inside the cab or positioned in the section of the lift truck that houses the lift truck control parts and the operator.

A swing mast is a lift truck mast which can turn ninety degrees in one direction. The design allows the swing mast to operate effectively in constricted aisles.