

## **Mast Rollers**

Mast Rollers - The mast of the forklift is an integral piece of the forklift's frame. These forklift vehicles are large industrial equipment that assist companies lift and transfer materials and merchandise.

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

Making use of metal plates in order to help move merchandise, the masts are driven by hydraulic mechanisms. Hydraulics is the transmission of power which utilizes pressurized fluid, usually oil. Hydraulic cylinders that connect directly to the lift truck motor 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 usually operated via a handle inside the cab or positioned in the part of the lift truck which houses the forklift control components and the driver.

A swing mast defines a lift truck utilizing a mast that can rotate in a 90 degree angle in one direction. This particular design enables the swing mast to operate in aisles that are less than 6 feet wide.