

## Forklift Mast Roller

Mast Rollers - The mast of the lift truck is an integral piece of the lift truck's framework. These lift truck vehicles are huge industrial machines which help companies lift a transfer supplies and goods.

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

The masts on forklifts make use of metal plates to be able to transfer materials and are powered by hydraulic systems. Hydraulics is defined by the transmission of power through the use of a pressurized fluid, which in this case is oil. Hydraulic cylinders that connect directly to the forklift motor 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 usually operated by way of a lever in the cab or located in the section of the forklift which houses the lift truck control components and the driver.

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