

## **Mast Rollers**

Mast Roller for Forklift - The mast of the lift truck is an important part of the forklift's structure. These lift truck vehicles are big industrial equipment that assist companies lift a transport supplies and goods.

The mast is a vertical assembly which is responsible for lowering and raising the load. The mast of a forklift has interlocking rails in order to give some lateral steadiness. These rails are guided by rollers or brushings.

The masts on lift trucks utilize metal plates to be able to transport goods 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 which link directly to the forklift engine are responsible for driving the mast, causing it to lower, lift or tilt a load. The pressurized oil drives the cylinder piston to move in a linear motion, or in strokes. The mast is often worked by means of a lever in the cab or situated in the section of the forklift which houses the forklift control parts and the driver.

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