

## Forklift Mast Rollers

Mast Rollers - The forklift mast is an important piece of the lift truck's frame. These lift trucks or forklift vehicles are industrial machines utilized so as to lift and transfer materials.

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

Making use of metallic plates to help transfer goods, the masts are powered by hydraulic mechanisms. Hydraulics is the transmission of power through the use of a pressurized fluid, usually oil. Hydraulic cylinders which link directly to the lift truck engine are responsible for driving the mast, causing it to lower, lift or tilt cargo. The pressurized oil drives the cylinder piston to be able to move in a linear motion, or in strokes. The mast is normally operated by way of a lever within 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 which could swing in a ninety degree angle in one direction. This particular design enables the swing mast to work in aisles which are less than 6 feet wide.