

## **Mast Roller**

Mast Rollers - The lift truck mast is an essential piece of the lift truck's structure. These lift trucks or also called forklift vehicles are industrial equipment used to be able to raise and transfer supplies.

The vertical construction responsible for lowering or raising cargo is known as the mast. A lift truck mast has interlocking rails which provide lateral stability. These rails are guided by bushings or rollers.

Utilizing metallic plates in order to help transport materials, the masts are driven by hydraulic mechanisms. Hydraulics is the transmission of power which utilizes pressurized fluid, typically oil. Hydraulic cylinders that connect directly to the forklift motor are responsible for driving the mast, causing it to lift, tilt or lower cargo. The pressurized oil drives the cylinder piston to move in a linear motion, or in strokes. The mast is normally operated by means of a lever within the cab or situated in the part of the lift truck that houses the forklift control components and the worker.

A swing mast defines a forklift truck utilizing a mast which could revolve in a ninety degree angle in one direction. This particular design enables the swing mast to function in aisles that are less than 6 feet wide.