

## Forklift Mast Roller

Forklift Mast Roller - The lift truck mast is an essential component of the lift truck's structure. These forklifts or also called lift truck vehicles are industrial equipment used to lift and transfer materials.

The vertical assembly responsible for lowering or raising cargo is called the mast. A lift truck mast consists of interlocking rails which give sideways support. These rails are guided by rollers or brushings.

Using metal plates to be able to help move materials, the masts are powered by hydraulic mechanisms. Hydraulics is the transmission of power which utilizes pressurized fluid, normally oil. Hydraulic cylinders that connect directly to the lift truck engine 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 usually operated by means of a handle within the cab or situated in the part of the lift truck which houses the forklift control parts and the operator.

A swing mast defines a lift truck truck using a mast that could revolve in a 90 degree angle in one direction. This design allows the swing mast to operate in aisles that are less than 6 feet wide.