

## Mast Rollers

The lift truck mast is an important part of the forklift's frame. These forklifts or likewise called lift truck vehicles are industrial machines used so as to raise and transport goods.

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

The masts on forklifts use metal plates to transfer goods and are powered by hydraulic systems. Hydraulics is defined by the transmission of power which utilizes pressurized fluid, which in this situation is oil. Hydraulic cylinders that connect directly to the lift truck engine are responsible for driving the mast, causing it to tilt, lower or lift a load. The pressurized oil drives the cylinder piston to be able to move in a linear motion, or in strokes. The mast is normally worked by means of a lever within the cab or located in the part of the forklift that houses the forklift control components and the worker.

A swing mast defines a forklift truck using a mast which can swing 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.