

## Mast Roller

Mast Rollers - The forklift mast is an important piece of the forklift's framework. These forklifts or also called forklift vehicles are industrial machines utilized in order to lift and transfer merchandise.

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

The masts on forklifts use metal plates in order to transfer supplies and are driven by hydraulic mechanisms. Hydraulics is defined by the transmission of power through the use of a pressurized fluid, which in this instance is oil. Hydraulic cylinders which connect directly to the forklift motor 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 often operated by means of a handle inside the cab or positioned in the section of the lift truck which houses the forklift control components and the operator.

A swing mast is a forklift mast which could revolve 90 degrees in one direction. The particular design enables the swing mast to operate efficiently in tight aisles.