

## Forklift Mast Roller

Mast Rollers - The forklift mast is an integral part of the lift truck's frame. These lift trucks or forklift vehicles are industrial equipment utilized in order to raise and transfer supplies.

The vertical construction responsible for lowering or raising cargo is known as the mast. A forklift mast consists of interlocking rails which provide sideways stability. These rails are guided by bushings or rollers.

The masts on lift trucks use metal plates so as to transport merchandise and are driven by hydraulic mechanisms. Hydraulics is defined by the transmission of power which utilizes pressurized fluid, which in this instance is oil. Hydraulic cylinders which link directly to the lift truck 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 usually operated via a lever inside the cab or located in the area of the forklift which houses the forklift control parts and the driver.

A swing mast defines a lift truck truck with a mast which can revolve in a 90 degree angle in one direction. This particular design enables the swing mast to operate in aisles which are less than 6 feet wide.