

## Forklift Mast Roller

Mast Rollers - The mast of the lift truck is an important piece of the forklift's frame. These lift truck vehicles are large industrial equipment that assist companies pick up and move supplies and goods.

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

Making use of metallic plates to help move goods, the masts are powered by hydraulic mechanisms. Hydraulics is the transmission of power through the use of a pressurized fluid, normally oil. Hydraulic cylinders which connect directly to the lift truck engine are responsible for driving the mast, causing it to tilt, lower or lift cargo. The pressurized oil drives the cylinder piston to move in a linear motion, or in strokes. The mast is often worked by means of a lever inside the cab or positioned in the part of the lift truck which houses the forklift control parts and the operator.

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