

## Forklift Mast Rollers

Mast Roller - The lift truck mast is an essential part of the lift truck's structure. These lift trucks or also called forklift vehicles are industrial equipment used so as to raise and move materials.

The mast is a vertical assembly that is responsible for lowering and raising cargo. The mast of a forklift comprises interlocking rails to provide some lateral steadiness. These rails are guided by rollers or brushings.

The masts on lift trucks use metal plates to be able to transfer materials and are driven by hydraulic systems. Hydraulics is defined by the transmission of power through the use of a pressurized fluid, which in this situation is oil. Hydraulic cylinders which connect directly to the lift truck motor 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 operated by means of a lever inside the cab or positioned in the area of the forklift that houses the lift truck control parts and the operator.

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