

Mast Roller

Forklift Mast Roller - The lift truck mast is an important component of the lift truck's structure. These lift trucks or also called forklift vehicles are industrial machines utilized so as to raise and move materials.

The mast is a vertical assembly which is responsible for raising and lowering the load. The mast of a lift truck has interlocking rails so as to give some sideways stability. These rails are guided by rollers or brushings.

The masts on forklifts make use of metal plates to transfer goods and are powered by hydraulic mechanisms. Hydraulics is defined by the transmission of power through the use of a pressurized fluid, which in this particular case is 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 be able to move in a linear motion, or in strokes. The mast is usually operated by means of a handle inside the cab or positioned in the part of the lift truck which houses the forklift control components and the operator.

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