

Mast Rollers

Mast Roller for Forklift - The mast of the lift truck is an integral component of the lift truck's structure. These forklift vehicles are large industrial equipment that assist businesses pick up and transport supplies and goods.

The mast is a vertical assembly which is responsible for raising and lowering the load. The mast of a forklift comprises interlocking rails so as to provide some lateral stability. These rails are guided by bushings or rollers.

Using metal plates to be able to help move goods, the masts are driven 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 motor are responsible for driving the mast, causing it to lower, lift or tilt cargo. The pressurized oil drives the cylinder piston to move in a linear motion, or in strokes. The mast is usually worked by means of a lever within the cab or situated in the area of the lift truck which houses the lift truck control parts and the driver.

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