

Mast Rollers

Mast Rollers - The mast of the forklift is an essential part of the lift truck's framework. These lift truck vehicles are large industrial machinery that help companies pick up and move materials and merchandise.

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

Utilizing metal plates in order to help move goods, the masts are driven by hydraulic mechanisms. Hydraulics is the transmission of power which uses pressurized fluid, usually oil. Hydraulic cylinders which connect directly to the lift truck motor are responsible for driving the mast, causing it to lower, lift or tilt a load. The pressurized oil drives the cylinder piston to move in a linear motion, or in strokes. The mast is usually operated via a lever in the cab or situated in the section of the lift truck that houses the lift truck control components and the driver.

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