

Mast Rollers for Forklift

Mast Rollers - The mast of the lift truck is an essential component of the lift truck's structure. These lift truck vehicles are large industrial equipment that assist businesses lift and move materials and goods.

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

Utilizing metal plates to help move merchandise, the masts are driven by hydraulic mechanisms. Hydraulics is the transmission of power through the use of a pressurized fluid, usually oil. Hydraulic cylinders that connect directly to the forklift engine 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 operated by means of a handle inside the cab or situated in the area of the lift truck which houses the forklift control components and the operator.

A swing mast defines a lift truck utilizing a mast which can rotate in a 90 degree angle in one direction. This particular design enables the swing mast to work in aisles which are less than 6 feet wide.