

Forklift Mast Rollers

Mast Rollers - The mast of the forklift is an integral component of the lift truck's frame. These lift truck vehicles are large industrial machines which assist companies lift a transport materials and merchandise.

The vertical assembly responsible for lowering or raising cargo is called the mast. A lift truck mast consists of interlocking rails that provide sideways stability. These rails are guided by bushings or rollers.

The masts on lift trucks utilize metal plates to transfer materials and are powered by hydraulic systems. Hydraulics is defined by the transmission of power through the use of a pressurized fluid, which in this case is oil. Hydraulic cylinders that connect directly to the forklift motor are responsible for driving the mast, causing it to lift, tilt or lower a load. The pressurized oil drives the cylinder piston to move in a linear motion, or in strokes. The mast is often operated via a lever in the cab or located in the area of the lift truck which houses the forklift control components and the driver.

A swing mast is a lift truck mast which could swing 90 degrees in one direction. The design allows the swing mast to work effectively in constricted aisles.