

Forklift Mast Rollers

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

The vertical assembly responsible for lowering or raising a load is called the mast. A lift truck mast comprises interlocking rails which provide sideways stability. These rails are guided by rollers or brushings.

The masts on forklifts utilize metal plates in order to move goods and are powered by hydraulic systems. Hydraulics is defined by the transmission of power which utilizes pressurized fluid, which in this particular situation is oil. Hydraulic cylinders that connect directly to the lift truck motor are responsible for driving the mast, causing it to tilt, lower or lift a load. 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 way of a lever inside the cab or located in the section of the lift truck which houses the lift truck control parts and the operator.

A swing mast defines a forklift truck with a mast that can turn in a ninety degree angle in one direction. This particular design enables the swing mast to operate in aisles that are less than 6 feet wide.