

Mast Roller for Forklift

Mast Roller - The mast of the lift truck is an important component of the forklift's structure. These lift truck vehicles are big industrial machines which assist companies lift a transport materials and merchandise.

The vertical construction responsible for raising or lowering cargo is called the mast. A forklift mast consists of interlocking rails which provide lateral stability. These rails are guided by bushings or rollers.

The masts on lift trucks utilize metal plates to move materials and are driven by hydraulic mechanisms. Hydraulics is defined by the transmission of power which utilizes pressurized fluid, which in this particular 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 cargo. The pressurized oil drives the cylinder piston to be able to move in a linear motion, or in strokes. The mast is normally worked by means of a handle inside the cab or positioned in the part of the lift truck that houses the lift truck control parts and the operator.

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