

Mast Rollers

Mast Rollers - The mast of the lift truck is an integral component of the forklift's framework. These forklift vehicles are big industrial equipment that assist companies raise a transport supplies and merchandise.

The mast is a vertical assembly which is responsible for raising and lowering the load. The mast of a forklift consists of interlocking rails in order to provide some lateral stability. These rails are guided by bushings or rollers.

The masts on lift trucks make use of metal plates in order to transfer materials and are driven by hydraulic mechanisms. Hydraulics is defined by the transmission of power which utilizes pressurized fluid, which in this instance is oil. Hydraulic cylinders which connect directly to the lift truck motor are responsible for driving the mast, causing it to lower, lift or tilt cargo. The pressurized oil drives the cylinder piston to be able to move in a linear motion, or in strokes. The mast is often operated by way of a handle within 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 forklift truck with a mast which could turn in a ninety degree angle in one direction. This design enables the swing mast to operate in aisles which are less than 6 feet wide.