

Forklift Mast Rollers

Mast Rollers - The mast of the lift truck is an essential part of the lift truck's frame. These forklift vehicles are large industrial machinery that assist businesses lift a transfer supplies and merchandise.

The mast is a vertical assembly which is responsible for raising and lowering cargo. The mast of a lift truck has interlocking rails in order to provide some lateral stability. These rails are guided by rollers or brushings.

Making use of metal plates so as to help transfer merchandise, the masts are driven by hydraulic mechanisms. Hydraulics is the transmission of power which utilizes pressurized fluid, normally oil. Hydraulic cylinders that link 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 move in a linear motion, or in strokes. The mast is normally worked by way of a lever within the cab or positioned 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 that can swing in a 90 degree angle in one direction. This design enables the swing mast to operate in aisles which are less than 6 feet wide.