

Forklift Mast Roller

Mast Rollers - The mast of the lift truck is an integral piece of the lift truck's frame. These lift truck vehicles are large industrial machinery that assist companies lift a transport 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 to provide some sideways stability. These rails are guided by bushings or rollers.

The masts on forklifts use metal plates to transport goods and are driven by hydraulic mechanisms. Hydraulics is defined by the transmission of power which utilizes pressurized fluid, which in this case is oil. Hydraulic cylinders that connect directly to the forklift engine are responsible for driving the mast, causing it to tilt, lower or lift cargo. The pressurized oil drives the cylinder piston to move in a linear motion, or in strokes. The mast is often worked by means of a lever within the cab or positioned in the part of the forklift which houses the forklift control parts and the driver.

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