

Mast Rollers

Forklift Mast Roller - The lift truck mast is an integral component of the forklift's frame. These forklifts or lift truck vehicles are industrial machinery used to be able to raise and transfer materials.

The mast is a vertical assembly which is responsible for lowering and raising the load. The mast of a lift truck has interlocking rails so as to provide some lateral support. These rails are guided by bushings or rollers.

The masts on lift trucks utilize metal plates so as to transport materials and are powered by hydraulic systems. Hydraulics is defined by the transmission of power which uses pressurized fluid, which in this particular case is oil. Hydraulic cylinders that connect directly to the lift truck engine are responsible for driving the mast, causing it to lower, lift or tilt a load. The pressurized oil drives the cylinder piston to move in a linear motion, or in strokes. The mast is normally operated by means of a handle inside the cab or positioned in the section of the forklift that houses the lift truck control components and the driver.

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