

Forklift Mast Roller

Mast Rollers - The mast of the lift truck is an integral part of the forklift's framework. These forklift vehicles are huge industrial machines which help companies pick up and transport supplies and goods.

The mast is a vertical assembly that is responsible for raising and lowering the load. The mast of a lift truck comprises interlocking rails to provide some lateral stability. These rails are guided by bushings or rollers.

Making use of metal plates to help transfer supplies, the masts are powered by hydraulic mechanisms. Hydraulics is the transmission of power through the use of a pressurized fluid, typically oil. Hydraulic cylinders which connect directly to the forklift motor are responsible for driving the mast, causing it to tilt, lower or lift a load. The pressurized oil drives the cylinder piston to be able to move in a linear motion, or in strokes. The mast is usually worked via a lever in the cab or situated in the section of the forklift which houses the forklift control parts and the driver.

A swing mast defines a forklift truck using a mast that could revolve in a ninety degree angle in one direction. This particular design allows the swing mast to function in aisles that are less than 6 feet wide.