

Forklift Mast Roller

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

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

The masts on forklifts utilize metal plates in order to transfer supplies and are driven by hydraulic systems. Hydraulics is defined by the transmission of power which uses pressurized fluid, which in this instance is oil. Hydraulic cylinders that link directly to the lift truck engine are responsible for driving the mast, causing it to tilt, lower or lift cargo. The pressurized oil drives the cylinder piston to be able to move in a linear motion, or in strokes. The mast is normally worked via a handle within 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 forklift truck utilizing a mast that could rotate in a ninety degree angle in one direction. This design allows the swing mast to function in aisles that are less than 6 feet wide.