

Forklift Mast Roller

Mast Rollers - The mast of the lift truck is an important part of the lift truck's frame. These forklift vehicles are large industrial machines which help businesses raise and transport materials and merchandise.

The vertical assembly responsible for lowering or raising cargo is referred to as the mast. A lift truck mast has interlocking rails that give lateral steadiness. These rails are guided by rollers or brushings.

Utilizing metallic plates to be able to help transfer materials, the masts are driven by hydraulic mechanisms. Hydraulics is the transmission of power which uses pressurized fluid, typically oil. Hydraulic cylinders that connect directly to the lift truck engine are responsible for driving the mast, causing it to lift, tilt or lower a load. 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 inside the cab or positioned in the section of the forklift that houses the forklift control parts and the worker.

A swing mast defines a lift truck using a mast which could revolve in a 90 degree angle in one direction. This design allows the swing mast to operate in aisles which are less than 6 feet wide.