

Forklift Mast Rollers

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

The mast is a vertical assembly which is responsible for lowering and raising the load. The mast of a forklift has interlocking rails in order to provide some sideways support. These rails are guided by bushings or rollers.

The masts on forklifts make use of metal plates in order to move merchandise and are driven by hydraulic systems. Hydraulics is defined by the transmission of power through the use of a pressurized fluid, which in this situation 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 cargo. The pressurized oil drives the cylinder piston to move in a linear motion, or in strokes. The mast is normally worked via a lever inside the cab or situated in the part of the lift truck that houses the forklift control components and the driver.

A swing mast is a forklift mast that could revolve ninety degrees in one direction. The design allows the swing mast to work efficiently in tight aisles.