

Mast Rollers

Mast Rollers - The lift truck mast is an important component of the forklift's structure. These lift trucks or forklift vehicles are industrial equipment used so as to lift and transport goods.

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

The masts on forklifts utilize metal plates to be able to move goods and are powered by hydraulic mechanisms. Hydraulics is defined by the transmission of power which utilizes pressurized fluid, which in this particular instance is oil. Hydraulic cylinders which connect directly to the lift truck engine are responsible for driving the mast, causing it to tilt, lower or lift a load. The pressurized oil drives the cylinder piston to move in a linear motion, or in strokes. The mast is normally operated via a handle in the cab or positioned in the part of the forklift that houses the lift truck control components and the driver.

A swing mast is a forklift mast which could rotate 90 degrees in one direction. The design allows the swing mast to work efficiently in constricted aisles.