

Mast Roller

Mast Rollers - The mast of the lift truck is an essential part of the lift truck's frame. These forklift vehicles are large industrial equipment that help businesses raise and move materials and goods.

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

The masts on forklifts use metal plates in order to move goods and are driven by hydraulic systems. Hydraulics is defined by the transmission of power through the use of a pressurized fluid, which in this particular case is oil. Hydraulic cylinders which link 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 often worked by means of a lever inside the cab or located in the part of the lift truck which houses the forklift control components and the operator.

A swing mast defines a forklift truck using a mast which can swing in a ninety degree angle in one direction. This design enables the swing mast to work in aisles which are less than 6 feet wide.