

Mast Rollers

Mast Rollers - The forklift mast is an integral component of the forklift's framework. These forklifts or also called forklift vehicles are industrial equipment utilized to lift and transport merchandise.

The mast is a vertical assembly which is responsible for raising and lowering cargo. The mast of a lift truck has interlocking rails in order to provide some lateral steadiness. These rails are guided by bushings or rollers.

Using metallic plates in order to help transport goods, the masts are powered by hydraulic mechanisms. Hydraulics is the transmission of power which utilizes pressurized fluid, usually oil. Hydraulic cylinders which connect directly to the forklift 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 often worked via a lever in the cab or located in the section of the lift truck which houses the forklift control components and the driver.

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