

Forklift Mast Rollers

Mast Rollers - The forklift mast is an important part of the lift truck's frame. These lift trucks or lift truck vehicles are industrial equipment used so as to lift and transfer merchandise.

The mast is a vertical assembly which is responsible for raising and lowering cargo. The mast of a forklift has interlocking rails so as to give some sideways stability. These rails are guided by rollers or brushings.

The masts on lift trucks make use of metal plates to transfer materials and are driven by hydraulic systems. Hydraulics is defined by the transmission of power which utilizes pressurized fluid, which in this particular instance is oil. Hydraulic cylinders which link directly to the forklift engine are responsible for driving the mast, causing it to lift, tilt or lower cargo. The pressurized oil drives the cylinder piston to be able to move in a linear motion, or in strokes. The mast is normally operated via a handle inside the cab or located in the area of the lift truck that houses the forklift control components and the driver.

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