

Forklift Mast Roller

Mast Rollers - The mast of the lift truck is an important component of the forklift's structure. These forklift vehicles are large industrial machinery which help businesses pick up and move supplies and goods.

The vertical assembly responsible for lowering or raising a load is referred to as the mast. A forklift mast has interlocking rails which give sideways support. These rails are guided by rollers or brushings.

The masts on lift trucks use metal plates to be able 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 that 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 be able to move in a linear motion, or in strokes. The mast is usually worked via a handle inside the cab or positioned in the area of the lift truck which houses the lift truck control components and the driver.

A swing mast defines a lift truck with a mast which could revolve in a ninety degree angle in one direction. This design allows the swing mast to operate in aisles that are less than 6 feet wide.