

Forklift Mast Roller

Mast Rollers - The mast of the forklift is an important part of the forklift's framework. These forklift vehicles are big industrial machinery which assist companies pick up and move materials and merchandise.

The vertical construction responsible for raising or lowering cargo is called the mast. A forklift mast consists of interlocking rails which provide sideways stability. These rails are guided by bushings or rollers.

Using metallic plates to help transfer goods, the masts are powered by hydraulic mechanisms. Hydraulics is the transmission of power through the use of a pressurized fluid, typically oil. Hydraulic cylinders which link directly to the forklift motor 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 by way of a handle inside the cab or positioned in the section of the forklift that houses the forklift control components and the operator.

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