

Mast Roller

Mast Rollers - The mast of the forklift is an important part of the forklift's frame. These lift truck vehicles are large industrial equipment which assist companies pick up and move materials and goods.

The mast is a vertical assembly that is responsible for lowering and raising the load. The mast of a forklift consists of interlocking rails in order to provide some lateral stability. These rails are guided by bushings or rollers.

Using metal 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 connect directly to the forklift engine are responsible for driving the mast, causing it to tilt, lower or lift a load. The pressurized oil drives the cylinder piston to move in a linear motion, or in strokes. The mast is often worked by means of a handle inside the cab or situated in the area of the lift truck which houses the lift truck control parts and the operator.

A swing mast defines a lift truck with a mast that could turn in a ninety degree angle in one direction. This particular design enables the swing mast to function in aisles that are less than 6 feet wide.