

Mast Roller

Mast Rollers - The mast of the forklift is an essential part of the forklift's frame. These forklift vehicles are big industrial machines that assist businesses lift a transport supplies and merchandise.

The mast is a vertical assembly that is responsible for lowering and raising cargo. The mast of a lift truck has interlocking rails to provide some lateral support. These rails are guided by rollers or brushings.

The masts on forklifts use metal plates to move goods and are powered by hydraulic mechanisms. Hydraulics is defined by the transmission of power through the use of a pressurized fluid, which in this case is 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 usually operated by way of a handle inside the cab or located in the section of the lift truck that houses the lift truck control parts and the operator.

A swing mast defines a lift truck truck utilizing a mast which can swing in a ninety degree angle in one direction. This particular design enables the swing mast to operate in aisles which are less than 6 feet wide.