

Mast Rollers for Forklift

Mast Roller - The mast of the lift truck is an important piece of the forklift's frame. These lift truck vehicles are large industrial equipment that help companies raise and move supplies and goods.

The mast is a vertical assembly that is responsible for raising and lowering cargo. The mast of a forklift consists of interlocking rails to give some lateral steadiness. These rails are guided by bushings or rollers.

The masts on lift trucks make use of metal plates to be able to move materials and are powered by hydraulic systems. Hydraulics is defined by the transmission of power through the use of a pressurized fluid, which in this particular situation is oil. Hydraulic cylinders which link 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 be able to move in a linear motion, or in strokes. The mast is normally operated by means of a handle in the cab or located in the area of the lift truck that houses the forklift control components and the worker.

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