

Forklift Mast Rollers

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

The mast is a vertical assembly which 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 rollers or brushings.

The masts on forklifts use metal plates to be able to transport supplies and are powered by hydraulic systems. Hydraulics is defined by the transmission of power which uses pressurized fluid, which in this 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 cargo. The pressurized oil drives the cylinder piston to move in a linear motion, or in strokes. The mast is often operated by means of a lever within the cab or located in the part of the lift truck that houses the lift truck control components and the worker.

A swing mast defines a forklift truck using a mast which could turn in a 90 degree angle in one direction. This design enables the swing mast to function in aisles which are less than 6 feet wide.