

Mast Roller

Forklift Mast Roller - The mast of the lift truck is an essential component of the forklift's frame. These forklift vehicles are huge industrial equipment that help businesses raise and transport materials and goods.

The mast is a vertical assembly which is responsible for lowering and raising the load. The mast of a lift truck comprises interlocking rails in order to give some sideways support. These rails are guided by bushings or rollers.

The masts on forklifts utilize metal plates in order to transfer supplies and are driven by hydraulic systems. Hydraulics is defined by the transmission of power which uses pressurized fluid, which in this instance is oil. Hydraulic cylinders that link directly to the forklift motor 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 worked by means of a handle within the cab or located in the section of the forklift that houses the forklift control components and the worker.

A swing mast defines a forklift truck with a mast which can swing in a ninety degree angle in one direction. This particular design allows the swing mast to work in aisles which are less than 6 feet wide.