

Forklift Mast Rollers

Mast Rollers - The mast of the lift truck is an integral component of the forklift's frame. These forklift vehicles are huge industrial equipment that help companies pick up and transfer supplies and goods.

The mast is a vertical assembly which is responsible for raising and lowering cargo. The mast of a lift truck consists of interlocking rails to be able to provide some sideways support. These rails are guided by rollers or brushings.

The masts on forklifts utilize metal plates so as to transport materials and are driven by hydraulic mechanisms. Hydraulics is defined by the transmission of power which uses pressurized fluid, which in this instance is oil. Hydraulic cylinders which connect directly to the lift truck engine are responsible for driving the mast, causing it to lift, tilt or lower 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 worked via a handle inside the cab or positioned in the part of the forklift which houses the lift truck control parts and the worker.

A swing mast defines a lift truck using a mast that could turn in a ninety degree angle in one direction. This design allows the swing mast to work in aisles which are less than 6 feet wide.