

Mast Roller

Forklift Mast Roller - The mast of the lift truck is an important component of the lift truck's framework. These forklift vehicles are huge industrial machines which help businesses raise a transport supplies and merchandise.

The mast is a vertical assembly that is responsible for raising and lowering the load. The mast of a forklift comprises interlocking rails in order to provide some sideways stability. These rails are guided by bushings or rollers.

The masts on forklifts use metal plates to be able to transport merchandise 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 connect 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 be able to move in a linear motion, or in strokes. The mast is normally operated via a handle within the cab or positioned in the area of the lift truck that houses the lift truck control components and the operator.

A swing mast defines a lift truck truck using a mast which could revolve 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.