

Mast Rollers

The mast of the forklift is an essential piece of the lift truck's structure. These lift truck vehicles are large industrial equipment that assist companies lift a transport supplies and goods.

The mast is a vertical assembly that is responsible for lowering and raising cargo. The mast of a forklift has interlocking rails to provide some sideways stability. These rails are guided by rollers or brushings.

Making use of metal plates to be able to help transport merchandise, the masts are powered by hydraulic mechanisms. Hydraulics is the transmission of power through the use of a pressurized fluid, usually oil. Hydraulic cylinders that connect directly to the lift truck motor 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 usually operated via a lever inside the cab or situated in the part of the lift truck which houses the forklift control parts and the worker.

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