

Mast Roller

Mast Roller - The forklift mast is an essential component of the lift truck's framework. These lift trucks or likewise called lift truck vehicles are industrial machinery used so as to lift and move materials.

The mast is a vertical assembly that is responsible for lowering and raising cargo. The mast of a lift truck consists of interlocking rails in order to give some lateral steadiness. These rails are guided by rollers or brushings.

Making use of metallic plates in order to help move goods, the masts are driven by hydraulic mechanisms. Hydraulics is the transmission of power which uses pressurized fluid, normally oil. Hydraulic cylinders which link directly to the forklift motor are responsible for driving the mast, causing it to lower, lift or tilt cargo. The pressurized oil drives the cylinder piston to be able to move in a linear motion, or in strokes. The mast is usually operated by means of a handle inside the cab or located in the area of the forklift that houses the lift truck control components and the worker.

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