

Mast Roller

Mast Rollers - The mast of the lift truck is an essential component of the forklift's frame. These forklift vehicles are large industrial equipment that help companies lift a transfer supplies and merchandise.

The mast is a vertical assembly which is responsible for lowering and raising cargo. The mast of a lift truck has interlocking rails so as to give some sideways support. These rails are guided by bushings or rollers.

Making use of metallic plates to help transfer supplies, the masts are powered by hydraulic mechanisms. Hydraulics is the transmission of power which uses pressurized fluid, normally oil. Hydraulic cylinders which connect directly to the forklift 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 often operated by way of a lever within the cab or positioned in the section of the forklift which houses the forklift control parts and the worker.

A swing mast is a forklift mast that can rotate 90 degrees in one direction. The design enables the swing mast to operate effectively in constricted aisles.