

Mast Rollers

The lift truck mast is an essential piece of the forklift's frame. These lift trucks or forklift vehicles are industrial machinery used so as to lift and transfer supplies.

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

Using metallic plates to be able to help transfer materials, 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 engine 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 means of a handle within the cab or positioned in the section of the forklift which houses the forklift control components and the worker.

A swing mast is a lift truck mast that can rotate ninety degrees in one direction. The design allows the swing mast to work effectively in constricted aisles.