

Forklift Mast Rollers

Mast Roller - The mast of the lift truck is an integral piece of the lift truck's frame. These lift truck vehicles are large industrial equipment that help companies lift and transport materials and merchandise.

The vertical assembly responsible for lowering or raising a load is called the mast. A lift truck mast has interlocking rails which give lateral stability. These rails are guided by bushings or rollers.

Using metallic plates to be able to help transport materials, the masts are driven by hydraulic mechanisms. Hydraulics is the transmission of power which uses pressurized fluid, usually oil. Hydraulic cylinders that 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 be able to move in a linear motion, or in strokes. The mast is often worked by means of a lever inside the cab or located in the [parts](#) of the lift truck which houses the lift truck control components and the worker.

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