

Mast Roller

Mast Rollers - The lift truck mast is an integral part of the forklift's structure. These forklifts or also called lift truck vehicles are industrial machines utilized in order to raise and transport materials.

The vertical assembly responsible for lowering or raising a load is called the mast. A lift truck mast comprises interlocking rails that provide sideways stability. These rails are guided by rollers or brushings.

The masts on forklifts use metal plates to be able to move materials and are driven by hydraulic mechanisms. Hydraulics is defined by the transmission of power which utilizes pressurized fluid, which in this situation is oil. Hydraulic cylinders which connect directly to the lift truck 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 usually operated via a handle within the cab or located in the part of the lift truck that houses the forklift control parts and the worker.

A swing mast defines a lift truck truck using a mast that can turn 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.