

Mast Roller

Mast Rollers - The forklift mast is an important part of the lift truck's frame. These lift trucks or lift truck vehicles are industrial machinery used to raise and transport materials.

The vertical assembly responsible for lowering or raising a load is referred to as the mast. A lift truck mast has interlocking rails which provide sideways support. These rails are guided by bushings or rollers.

The masts on forklifts make use of metal plates to be able to transfer materials and are powered by hydraulic systems. Hydraulics is defined by the transmission of power through the use of a pressurized fluid, which in this particular instance is 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 via a handle inside the cab or situated in the part of the lift truck that houses the lift truck control parts and the driver.

A swing mast defines a lift truck truck with a mast that could turn in a 90 degree angle in one direction. This design allows the swing mast to work in aisles which are less than 6 feet wide.