

Mast Roller

Mast Roller for Forklift - The mast of the forklift is an important piece of the forklift's frame. These forklift vehicles are big industrial machinery that help companies raise and transfer materials and merchandise.

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

The masts on forklifts make use of metal plates so as to move 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 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 often worked via a lever within the cab or positioned in the section of the lift truck that houses the forklift control components and the operator.

A swing mast defines a lift truck with a mast that can revolve in a ninety degree angle in one direction. This particular design enables the swing mast to work in aisles which are less than 6 feet wide.