

Mast Roller

Mast Rollers - The lift truck mast is an essential component of the lift truck's structure. These lift trucks or also called lift truck vehicles are industrial machines utilized to be able to pick up and transport supplies.

The mast is a vertical assembly that is responsible for lowering and raising cargo. The mast of a lift truck consists of interlocking rails so as to give some sideways stability. These rails are guided by rollers or brushings.

The masts on forklifts make use of metal plates so as to move supplies and are powered by hydraulic mechanisms. Hydraulics is defined by the transmission of power which uses pressurized fluid, which in this particular situation is oil. Hydraulic cylinders that connect directly to the forklift engine are responsible for driving the mast, causing it to tilt, lower or lift a load. The pressurized oil drives the cylinder piston to move in a linear motion, or in strokes. The mast is normally worked by way of a lever in the cab or situated in the area 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 can rotate in a ninety degree angle in one direction. This design enables the swing mast to function in aisles that are less than 6 feet wide.