

Mast Roller

Mast Rollers - The mast of the forklift is an integral component of the forklift's frame. These lift truck vehicles are huge industrial equipment which help businesses pick up and transport materials and merchandise.

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

The masts on lift trucks use metal plates so as to transport materials and are driven by hydraulic systems. Hydraulics is defined by the transmission of power which uses pressurized fluid, which in this case is oil. Hydraulic cylinders that link directly to the lift truck engine are responsible for driving the mast, causing it to tilt, lower or lift a load. 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 way of a lever in the cab or located in the section of the forklift that houses the forklift control parts and the driver.

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