

Mast Roller for Forklift

Mast Roller for Forklift - The lift truck mast is an essential piece of the lift truck's structure. These forklifts or also called lift truck vehicles are industrial machinery used in order to raise and transfer goods.

The vertical construction responsible for lowering or raising a load is called the mast. A lift truck mast consists of interlocking rails which give sideways steadiness. These rails are guided by rollers or brushings.

The masts on forklifts utilize metal plates to be able to move goods and are powered by hydraulic systems. Hydraulics is defined by the transmission of power which utilizes pressurized fluid, which in this instance is oil. Hydraulic cylinders which link directly to the lift truck engine are responsible for driving the mast, causing it to lift, tilt or lower a load. The pressurized oil drives the cylinder piston to move in a linear motion, or in strokes. The mast is usually operated via a lever inside the cab or located in the area of the forklift that houses the forklift control parts and the driver.

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