

Mast Roller

Mast Rollers - The forklift mast is an integral component of the lift truck's structure. These forklifts or also called lift truck vehicles are industrial equipment used in order to lift and move merchandise.

The vertical construction responsible for lowering or raising cargo is called the mast. A lift truck mast comprises interlocking rails that give sideways stability. These rails are guided by rollers or brushings.

The masts on forklifts use metal plates to be able to move merchandise and are powered by hydraulic mechanisms. Hydraulics is defined by the transmission of power which utilizes pressurized fluid, which in this case is oil. Hydraulic cylinders which link directly to the forklift engine are responsible for driving the mast, causing it to lift, tilt or lower cargo. The pressurized oil drives the cylinder piston to be able to move in a linear motion, or in strokes. The mast is normally operated by way of a handle inside 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 using a mast which can turn 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.