

Mast Roller

Mast Rollers - The forklift mast is an essential piece of the forklift's frame. These forklifts or also called forklift vehicles are industrial machines utilized so as to raise and transfer merchandise.

The mast is a vertical assembly which is responsible for raising and lowering the load. The mast of a forklift has interlocking rails in order to provide some sideways steadiness. These rails are guided by bushings or rollers.

Using metal plates so as to help transfer goods, the masts are driven by hydraulic mechanisms. Hydraulics is the transmission of power which utilizes pressurized fluid, usually 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 normally worked by means of a handle in the cab or located in the area of the lift truck which houses the forklift control parts and the driver.

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