

Mast Roller

Mast Rollers - The mast of the forklift is an essential piece of the lift truck's framework. These lift truck vehicles are large industrial machines which help companies lift and transport materials and goods.

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

Using metal plates in order to help transport goods, the masts are powered by hydraulic mechanisms. Hydraulics is the transmission of power which uses pressurized fluid, normally oil. Hydraulic cylinders which link directly to the lift truck 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 usually operated via a handle in the cab or positioned in the area of the lift truck which houses the forklift control parts and the operator.

A swing mast is a forklift mast that could rotate ninety degrees in one direction. The particular design enables the swing mast to function efficiently in tight aisles.