

Forklift Mast Roller

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

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

Using metal plates to be able to help transport materials, the masts are driven by hydraulic mechanisms. Hydraulics is the transmission of power which uses pressurized fluid, usually oil. Hydraulic cylinders that connect directly to the lift truck engine are responsible for driving the mast, causing it to lower, lift or tilt a load. The pressurized oil drives the cylinder piston to move in a linear motion, or in strokes. The mast is normally operated by way of a lever in the cab or located in the section of the lift truck which houses the lift truck control components and the driver.

A swing mast defines a lift truck truck with a mast that can rotate in a ninety degree angle in one direction. This particular design enables the swing mast to function in aisles that are less than 6 feet wide.