

Forklift Mast Roller

Mast Rollers - The mast of the forklift is an integral part of the lift truck's structure. These lift truck vehicles are huge industrial machinery that help companies pick up and move materials and merchandise.

The vertical construction responsible for raising or lowering a load is known as the mast. A forklift mast comprises interlocking rails that give lateral steadiness. These rails are guided by bushings or rollers.

The masts on forklifts make use of metal plates to move supplies and are powered by hydraulic mechanisms. Hydraulics is defined by the transmission of power which utilizes pressurized fluid, which in this situation is oil. Hydraulic cylinders that link directly to the forklift 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 often operated by means of a handle in the cab or positioned in the area of the lift truck which houses the forklift control components and the worker.

A swing mast defines a forklift truck using a mast which can turn in a 90 degree angle in one direction. This design enables the swing mast to function in aisles that are less than 6 feet wide.