

Mast Roller

Forklift Mast Roller - The mast of the forklift is an important piece of the lift truck's framework. These forklift vehicles are big industrial machines that help companies lift a transfer supplies and merchandise.

The mast is a vertical assembly which is responsible for raising and lowering cargo. The mast of a forklift comprises interlocking rails to be able to give some lateral support. These rails are guided by bushings or rollers.

Making use of metal plates in order to help move supplies, the masts are driven by hydraulic mechanisms. Hydraulics is the transmission of power which utilizes pressurized fluid, usually oil. Hydraulic cylinders that link directly to the forklift motor 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 often operated by way of a lever inside the cab or located in the part of the forklift that houses the lift truck control components and the driver.

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