

Forklift Mast Roller

Mast Rollers - The mast of the forklift is an important piece of the forklift's frame. These forklift vehicles are large industrial machines that assist businesses pick up and transport supplies and goods.

The vertical construction responsible for lowering or raising cargo is known as the mast. A forklift mast consists of interlocking rails which give lateral steadiness. These rails are guided by bushings or rollers.

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

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