

Forklift Mast Rollers

Mast Rollers - The mast of the forklift is an important component of the forklift's frame. These lift truck vehicles are large industrial machines that help businesses raise and transfer materials and goods.

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

Using metal plates so as to help move goods, the masts are driven by hydraulic mechanisms. Hydraulics is the transmission of power which uses pressurized fluid, usually oil. Hydraulic cylinders which link directly to the lift truck engine are responsible for driving the mast, causing it to lower, lift or tilt cargo. The pressurized oil drives the cylinder piston to move in a linear motion, or in strokes. The mast is usually worked via a lever in the cab or located in the part of the forklift that houses the lift truck control parts and the worker.

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