

Forklift Mast Rollers

Mast Rollers - The mast of the lift truck is an important piece of the forklift's structure. These forklift vehicles are large industrial machinery that help businesses raise and transport materials and merchandise.

The vertical construction responsible for raising or lowering a load is called the mast. A forklift mast has interlocking rails which provide lateral steadiness. These rails are guided by bushings or rollers.

Using metal plates in order to help transport supplies, the masts are driven by hydraulic mechanisms. Hydraulics is the transmission of power which utilizes pressurized fluid, usually oil. Hydraulic cylinders which connect directly to the lift truck engine are responsible for driving the mast, causing it to lift, tilt or lower a load. The pressurized oil drives the cylinder piston to be able to move in a linear motion, or in strokes. The mast is normally operated via a lever in the cab or situated in the part of the forklift which houses the forklift control parts and the worker.

A swing mast is a lift truck mast which could swing ninety degrees in one direction. The design allows the swing mast to function efficiently in tight aisles.