

Forklift Mast Roller

Mast Rollers - The mast of the lift truck is an integral part of the forklift's frame. These lift truck vehicles are huge industrial machines that assist companies raise and transport materials and merchandise.

The vertical construction responsible for raising or lowering a load is called the mast. A lift truck mast has interlocking rails that give sideways steadiness. These rails are guided by rollers or bushings.

Using metallic plates in order to help transport merchandise, the masts are driven by hydraulic mechanisms. Hydraulics is the transmission of power which uses pressurized fluid, normally oil. Hydraulic cylinders which connect 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 be able to move in a linear motion, or in strokes. The mast is normally worked via a lever in the cab or situated in the section of the lift truck that houses the lift truck control components and the driver.

A swing mast is a lift truck mast which can revolve 90 degrees in one direction. The particular design allows the swing mast to function effectively in tight aisles.