

Mast Rollers

Mast Rollers - The mast of the lift truck is an integral piece of the lift truck's frame. These forklift vehicles are large industrial machinery which assist businesses raise and transport materials and goods.

The vertical assembly responsible for raising or lowering a load is known as the mast. A forklift mast has interlocking rails that give lateral stability. These rails are guided by bushings or rollers.

Making use of metallic plates in order to help move supplies, the masts are driven by hydraulic mechanisms. Hydraulics is the transmission of power through the use of a pressurized fluid, normally oil. Hydraulic cylinders which link directly to the forklift engine are responsible for driving the mast, causing it to lift, tilt or lower cargo. 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 lever in the cab or located in the section of the lift truck that houses the lift truck control components and the driver.

A swing mast is a forklift mast that can revolve ninety degrees in one direction. The design enables the swing mast to work effectively in tight aisles.