

Forklift Mast Rollers

Forklift Mast Rollers - The mast of the forklift is an essential part of the lift truck's framework. These lift truck vehicles are large industrial machinery that assist businesses lift a transport supplies and merchandise.

The mast is a vertical assembly that is responsible for lowering and raising the load. The mast of a forklift consists of interlocking rails to be able to give some lateral stability. These rails are guided by bushings or rollers.

Using metallic plates to help transport materials, the masts are powered by hydraulic mechanisms. Hydraulics is the transmission of power through the use of a pressurized fluid, normally oil. Hydraulic cylinders which connect directly to the lift truck engine are responsible for driving the mast, causing it to tilt, lower or lift cargo. The pressurized oil drives the cylinder piston to move in a linear motion, or in strokes. The mast is usually operated by means of a lever inside the cab or located in the section of the forklift which houses the lift truck control components and the worker.

A swing mast defines a lift truck truck utilizing a mast which could revolve in a 90 degree angle in one direction. This particular design enables the swing mast to operate in aisles that are less than 6 feet wide.