

Mast Rollers

Mast Roller - The mast of the lift truck is an essential piece of the lift truck's framework. These forklift vehicles are large industrial machines which assist businesses lift a move materials and goods.

The mast is a vertical assembly which is responsible for lowering and raising the load. The mast of a lift truck comprises interlocking rails in order to provide some lateral stability. These rails are guided by bushings or rollers.

Using metal plates so as to help move materials, the masts are driven by hydraulic mechanisms. Hydraulics is the transmission of power which uses pressurized fluid, typically oil. Hydraulic cylinders that 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 worked via a handle in the cab or positioned in the section of the forklift that houses the forklift control parts and the worker.

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