

Mast Rollers

Mast Roller - The mast of the forklift is an important component of the forklift's frame. These forklift vehicles are big industrial machines which assist companies pick up and transport supplies and merchandise.

The vertical assembly responsible for lowering or raising cargo is known as the mast. A lift truck mast has interlocking rails that provide lateral stability. These rails are guided by bushings or rollers.

Utilizing metallic plates so as to help transfer goods, the masts are driven by hydraulic mechanisms. Hydraulics is the transmission of power which uses pressurized fluid, typically oil. Hydraulic cylinders which link directly to the forklift engine are responsible for driving the mast, causing it to tilt, lower or lift 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 inside the cab or situated in the part of the forklift that houses the forklift control components and the worker.

A swing mast defines a lift truck with a mast which could swing in a ninety degree angle in one direction. This design enables the swing mast to work in aisles that are less than 6 feet wide.