

Mast Rollers for Forklift

Mast Rollers - The lift truck mast is an essential part of the forklift's structure. These lift trucks or also called forklift vehicles are industrial equipment used in order to lift and transport merchandise.

The vertical construction responsible for raising or lowering cargo is called the mast. A lift truck mast consists of interlocking rails that give sideways support. These rails are guided by rollers or brushings.

Utilizing metal plates to help transfer materials, the masts are powered by hydraulic mechanisms. Hydraulics is the transmission of power through the use of a pressurized fluid, typically oil. Hydraulic cylinders which connect directly to the forklift motor are responsible for driving the mast, causing it to lift, tilt or lower cargo. The pressurized oil drives the cylinder piston to be able to move in a linear motion, or in strokes. The mast is often worked by means of a lever in the cab or positioned in the section of the lift truck which houses the forklift control parts and the worker.

A swing mast defines a forklift truck with a mast which can turn in a 90 degree angle in one direction. This particular design allows the swing mast to work in aisles which are less than 6 feet wide.