

Mast Roller for Forklift

Mast Rollers - The lift truck mast is an important part of the forklift's frame. These lift trucks or likewise called forklift vehicles are industrial machinery used in order to raise and transfer materials.

The vertical construction responsible for raising or lowering a load is called the mast. A forklift mast consists of interlocking rails that provide sideways stability. These rails are guided by bushings or rollers.

The masts on forklifts utilize metal plates in order to transfer materials and are powered by hydraulic mechanisms. Hydraulics is defined by the transmission of power which utilizes pressurized fluid, which in this particular case is oil. Hydraulic cylinders which link 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 move in a linear motion, or in strokes. The mast is normally operated by means of a handle in the cab or situated in the part of the forklift that houses the lift truck control parts and the worker.

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