

Mast Rollers

Forklift Mast Rollers - The forklift mast is an important part of the forklift's structure. These lift trucks or forklift vehicles are industrial equipment used to lift and transfer materials.

The mast is a vertical assembly that is responsible for lowering and raising cargo. The mast of a lift truck comprises interlocking rails so as to give some sideways steadiness. These rails are guided by bushings or rollers.

The masts on forklifts make use of metal plates in order to move goods and are powered by hydraulic mechanisms. Hydraulics is defined by the transmission of power through the use of a pressurized fluid, which in this particular situation is oil. Hydraulic cylinders that connect directly to the lift truck engine 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 worked via a handle inside the cab or located in the part of the forklift which houses the forklift control components and the worker.

A swing mast defines a forklift truck utilizing a mast which could rotate in a ninety degree angle in one direction. This design allows the swing mast to operate in aisles which are less than 6 feet wide.