

Forklift Mast Roller

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

The mast is a vertical assembly that is responsible for raising and lowering cargo. The mast of a lift truck consists of interlocking rails to be able to give some sideways steadiness. These rails are guided by rollers or brushings.

Making use of metal plates in order to help transport merchandise, 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 lift truck engine are responsible for driving the mast, causing it to lower, lift or tilt cargo. The pressurized oil drives the cylinder piston to be able to move in a linear motion, or in strokes. The mast is normally operated via a lever within the cab or situated in the section of the forklift which houses the lift truck control components and the operator.

A swing mast defines a lift truck truck utilizing a mast that can rotate in a 90 degree angle in one direction. This design allows the swing mast to function in aisles which are less than 6 feet wide.