

Mast Roller

Mast Rollers - The mast of the forklift is an important piece of the forklift's framework. These forklift vehicles are big industrial equipment that assist companies pick up a transport supplies and merchandise.

The mast is a vertical assembly which is responsible for lowering and raising the load. The mast of a forklift comprises interlocking rails so as to give some lateral support. These rails are guided by bushings or rollers.

The masts on lift trucks make use of metal plates to be able to move goods and are driven by hydraulic mechanisms. Hydraulics is defined by the transmission of power which utilizes pressurized fluid, which in this case is oil. Hydraulic cylinders that connect directly to the lift truck engine are responsible for driving the mast, causing it to tilt, lower or lift cargo. The pressurized oil drives the cylinder piston to move in a linear motion, or in strokes. The mast is often worked via a lever in the cab or positioned in the area of the forklift that houses the forklift control components and the worker.

A swing mast defines a lift truck truck using a mast which could 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.