

Mast Rollers

Mast Rollers - The mast of the lift truck is an integral component of the forklift's structure. These forklift vehicles are large industrial machines that assist businesses lift a transfer supplies and merchandise.

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

The masts on lift trucks use metal plates to transport goods and are driven by hydraulic systems. Hydraulics is defined by the transmission of power which utilizes pressurized fluid, which in this particular case is oil. Hydraulic cylinders that link directly to the forklift engine are responsible for driving the mast, causing it to lower, lift or tilt a load. The pressurized oil drives the cylinder piston to move in a linear motion, or in strokes. The mast is normally worked by means of a lever in the cab or situated in the part of the forklift that houses the forklift control components and the worker.

A swing mast defines a lift truck truck with a mast which can revolve 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.