

Mast Rollers

Mast Roller for Forklift - The mast of the forklift is an integral component of the lift truck's structure. These forklift vehicles are huge industrial machines which assist companies pick up and transport materials and merchandise.

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

The masts on lift trucks use metal plates in order to move supplies and are powered by hydraulic systems. Hydraulics is defined by the transmission of power which uses pressurized fluid, which in this case is oil. Hydraulic cylinders that connect directly to the forklift engine are responsible for driving the mast, causing it to lift, tilt or lower cargo. The pressurized oil drives the cylinder piston to be able to move in a linear motion, or in strokes. The mast is normally worked by means of a handle in the cab or situated in the area of the lift truck which houses the forklift control components and the worker.

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