

## Mast Roller

Mast Rollers - The mast of the forklift is an integral part of the forklift's frame. These forklift vehicles are huge industrial machinery that assist companies pick up and move materials and merchandise.

The mast is a vertical assembly that is responsible for raising and lowering cargo. The mast of a forklift consists of interlocking rails in order to provide some lateral support. These rails are guided by rollers or brushings.

Making use of metal plates to help transfer goods, the masts are powered by hydraulic mechanisms. Hydraulics is the transmission of power which utilizes pressurized fluid, normally oil. Hydraulic cylinders that link directly to the forklift engine are responsible for driving the mast, causing it to lift, tilt or lower a load. The pressurized oil drives the cylinder piston to be able to move in a linear motion, or in strokes. The mast is normally worked via a lever in the cab or located in the area of the forklift that houses the forklift control parts and the worker.

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