

Forklift Mast Roller

Mast Rollers - The lift truck mast is an integral part of the lift truck's frame. These lift trucks or also called lift truck vehicles are industrial equipment used so as to lift and move materials.

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

Making use of metal plates so as to help move goods, the masts are driven by hydraulic mechanisms. Hydraulics is the transmission of power which uses pressurized fluid, normally oil. Hydraulic cylinders that link directly to the forklift engine are responsible for driving the mast, causing it to tilt, lower or lift cargo. The pressurized oil drives the cylinder piston to be able to move in a linear motion, or in strokes. The mast is usually worked by way of a handle within the cab or positioned in the section of the forklift that houses the lift truck control components and the operator.

A swing mast defines a lift truck truck with a mast which could rotate in a ninety degree angle in one direction. This particular design enables the swing mast to work in aisles that are less than 6 feet wide.