

Forklift Mast Rollers

Mast Rollers - The forklift mast is an integral component of the forklift's structure. These forklifts or lift truck vehicles are industrial machines utilized so as to raise and transfer merchandise.

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

The masts on lift trucks make use of metal plates so as to transport materials and are powered by hydraulic mechanisms. Hydraulics is defined by the transmission of power which uses pressurized fluid, which in this situation 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 be able 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 lift truck control parts and the driver.

A swing mast is a forklift mast that can rotate ninety degrees in one direction. The design enables the swing mast to work efficiently in constricted aisles.