

Mast Roller for Forklift

Mast Rollers - The lift truck mast is an important piece of the forklift's structure. These forklifts or likewise called forklift vehicles are industrial machines used in order to lift and transport materials.

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

Making use of metallic plates to help transfer materials, the masts are powered by hydraulic mechanisms. Hydraulics is the transmission of power which utilizes pressurized fluid, typically oil. Hydraulic cylinders which link directly to the forklift motor are responsible for driving the mast, causing it to lower, lift or tilt a load. The pressurized oil drives the cylinder piston to be able to move in a linear motion, or in strokes. The mast is usually operated via a lever within the cab or located in the part of the lift truck which houses the lift truck control parts and the driver.

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