

Forklift Mast Roller

Mast Roller - The forklift mast is an important piece of the forklift's framework. These forklifts or forklift vehicles are industrial machinery used to raise and move merchandise.

The vertical construction responsible for lowering or raising cargo is known as the mast. A lift truck mast has interlocking rails that provide sideways support. These rails are guided by bushings or rollers.

Making use of metallic plates in order to help move goods, the masts are powered by hydraulic mechanisms. Hydraulics is the transmission of power which uses pressurized fluid, typically oil. Hydraulic cylinders that link directly to the lift truck motor 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 operated by way of a handle in the cab or situated in the part of the forklift that houses the forklift control components and the driver.

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