

## Winches for Forklift

Forklift Winch - A winch is a mechanical piece of equipment that specializes in winding out or pulling in or winding up or letting out the tension of a rope, wire cable, cable or a wire rope. In its most basic form it is made of a spool along with a connected hand crank. More complicated winches are found at the heart of machinery such as tow trucks, elevators and steam shovels. Occasionally the spool could be called the winch drum. Complex designs have gear assemblies that could be powered by hydraulic, electric, pneumatic or internal combustion drives. Various winches could consist of a solenoid brake or a mechanical brake or a ratchet and pawl mechanism to be able to stop it from unwinding unless the pawl is retracted.

Usually, the rope is stored on the winch. There is a similar machine referred to as a capstan which does not store the rope. In sailing, when a line is trimmed on a sailboat, the crew member works the handle of the winch making use of one hand while tending the other so as to maintain tension on the turns. Several winches have a stripper or cleat so as to maintain tension. These designs are referred to as "self-tailing" winches.

Normally, winches are utilized backstage as part of the mechanism to move scenery in large theatrical shows. Many times the winches are really embedded in the stage floor and utilized to be able to transfer huge set pieces off and on stage.

The new generation of winches have been created for water and snow sports allowing the riders to be pulled rapidly across a body of water or of snow. This could stimulate a riding experience that is typically supplied by a snow mobile, wave runner or a boat.