

## Winch for Forklift

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

Most often, the cable or rope is stored on the winch, nevertheless the capspan, a similar piece of equipment, does not store the rope. In sailing, when a line is trimmed on a sailboat, the crew member operates the winch handle using one hand while tailing the other so as to maintain tension on the turns. Some winches have a stripper or cleat so as to maintain tension. These designs are referred to as "self-tailing" winches.

Often, winches are utilized offstage as part of the mechanism to be able to arrange staging in large theatrical productions. Many times the winches are actually embedded in the stage floor and utilized in order to move big set pieces off and on stage.

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