

## Forklift Winch

Winches for Forklift - Winches are mechanical devices which can wind out, or pull up the tension of a wire cable, cable, wire rope or a rope. These tools, in its most basic form, are constructed of a hand crank and a spool. More complex winches are found at the heart of machines like for example tow trucks, elevators and steam shovels. Every now and then the spool can be called the winch drum. Elaborate designs have gear assemblies that could be powered by internal, hydraulic, electric or pneumatic combustion drives. Various winches could consist of a solenoid brake or a mechanical brake or a pawl and ratchet apparatus so as to prevent it from unwinding unless the pawl is retracted.

Generally, the cable or rope is stored on the winch, nevertheless the capspan, a similar machinery, does not store the rope. In sailing, when trimming a line on a sailboat, the crew member works the handle of the winch utilizing one hand while tailing the other to be able to maintain tension on the turns. Some winches have a cleat or stripper so as to maintain tension. These designs are called "self-tailing" winches.

Normally, winches are used offstage as part of the mechanism so as to move staging in big theatrical productions. Lots of times the winches are actually embedded in the stage floor and used to be able to move large set pieces off and on stage.

Recently, winches have been fabricated in specific designs for water and snow sports. This new generation of winches is designed to be able to pull riders swiftly across a body of snow or of water. This could stimulate a riding experience which is usually supplied by a wave runner, boat or a snow mobile.