

## Winch for Forklift

Forklift Winch - Winches are mechanical devices which could pull up or wind out the tension of a rope, wire cable, cable or a wire rope. These tools, in its most simple form, are made of a hand crank and a spool. More complex winches are found at the heart of machines such as tow trucks, elevators and steam shovels. Sometimes the spool could be called the winch drum. Elaborate designs have gear assemblies that could be driven by pneumatic, internal, hydraulic or electric combustion drives. Several winches could include a mechanical brake or a solenoid brake or a ratchet and pawl apparatus so as to prevent it from unwinding unless the pawl is retracted.

Generally, the cable or rope is stored on the winch, however the capspan, a similar machine, does not store the rope. In sailing, when trimming a line on a sailboat, the crew member operates the winch handle making use of one hand while tailing the other to be able to maintain tension on the turns. Several winches have a stripper or cleat to maintain tension. These designs are referred to as "self-tailing" winches.

Frequently, a winch is used in large theatrical productions as a part of the mechanism to transfer scenery. Occasionally there are likewise winches actually imbedded in the stage to be able to help move the several larger set pieces off and on the stage.

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