

## Forklift Winch

Forklift Winch - Winches are mechanical tools that are able to 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 complicated winches are found at the heart of machinery such as elevators, steam shovels and tow trucks. Sometimes the spool can be called the winch drum. Elaborate designs have gear assemblies that could be driven by internal, hydraulic, electric or pneumatic combustion drives. Several winches could comprise a mechanical brake or a solenoid brake or a ratchet and pawl apparatus to be able to stop it from unwinding unless the pawl is retracted.

Most often, the rope or cable is stored on the winch, then again 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 handle of the winch utilizing one hand while tailing the other so as to maintain tension on the turns. Some winches have a stripper or cleat in order to maintain tension. These designs are referred to as "self-tailing" winches.

Quite often, a winch is utilized in large theatrical productions as a part of the mechanism to transfer backdrop. Sometimes there are also winches really imbedded in the stage to be able to help transfer the several larger set pieces on and off the stage.

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