

## Forklift Winches

Forklift Winch - A winch is a mechanical device which 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 simple form it is constructed of a spool together with a connected hand crank. More complex winches are found at the heart of machinery such as steam shovels, tow trucks and elevators. Every so often the spool could be known as the winch drum. Elaborate designs have gear assemblies that could be driven by hydraulic, electric, pneumatic or internal combustion drives. Several winches can comprise a solenoid brake or a mechanical brake or a ratchet and pawl device so as to prevent it from unwinding unless the pawl is retracted.

Most often, the rope or cable is stored on the winch, nevertheless the capspan, a similar machine, does not store the rope. In sailing, when a line is trimmed on a sailboat, the crew member works the winch handle utilizing one hand while tailing the other in order 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.

Frequently, a winch is used in huge theatrical productions as a part of the mechanics to move scenery. At times there are also winches really imbedded in the stage so as to help transfer the several bigger set pieces on and off the stage.

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