

## Forklift Winch

Winch for Forklift - A winch is a mechanical tool that specializes in letting out, or winding out or pulling in or winding up the tension of a cable, wire rope, rope or a wire cable. In its most simple form it is made of a spool with a connected hand crank. More complicated winches are found at the heart of machines such as steam shovels, tow trucks and elevators. Sometimes the spool can be called the winch drum. Elaborate designs have gear assemblies which can be powered by internal, hydraulic, electric or pneumatic combustion drives. Some winches could consist of a solenoid brake or a mechanical brake or a ratchet and pawl device to be able to stop it from unwinding unless the pawl is retracted.

Usually, the rope is stored on the winch. There is a similar piece of equipment referred to as a capstan that 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 in order to maintain tension on the turns. Several winches have a stripper or cleat to maintain tension. These designs are known as "self-tailing" winches.

Usually, a winch is utilized in big theatrical shows as a part of the mechanism to be able to move backdrop. At times there are also winches really imbedded in the stage to be able to help move the various larger set pieces off and on the stage.

Recently, winches have been made in certain designs for water and snow sports. This new generation of winches is designed to be able to pull riders rapidly across a body of water or of snow. This can stimulate a riding experience that is normally supplied by a boat, snow mobile or a wave runner.