

## Forklift Winches

Forklift Winch - Winches are mechanical devices that are able to wind out, or pull up the tension of a wire rope, rope, wire cable or cable. These tools, in its most simple form, are made of a spool and a hand crank. More complicated winches are found at the heart of machines like for example tow trucks, elevators and steam shovels. At times the spool could be known as the winch drum. Complex designs have gear assemblies which can be powered by internal, hydraulic, electric or pneumatic combustion drives. Several winches can include a mechanical brake or a solenoid brake or a ratchet and pawl device in order to stop it from unwinding unless the pawl is retracted.

Generally, the rope is stored on the winch. There is similar piece of equipment called a capstan which does not store the rope. In sailing, when trimming a line 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. Various winches have a cleat or stripper so as to maintain tension. These designs are referred to as "self-tailing" winches.

Frequently, a winch is utilized in big theatrical productions as a part of the mechanics so as to transfer setting. Sometimes there are also winches actually imbedded in the stage to help move the several larger set pieces on and off the stage.

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