

## Forklift Winches

Forklift Winch - Winches are mechanical tools that can 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 seen at the heart of machinery like tow trucks, elevators and steam shovels. At times the spool could be called the winch drum. Complex designs have gear assemblies which can be powered by pneumatic, internal, hydraulic or electric combustion drives. Some winches could comprise a solenoid brake or a mechanical brake or a pawl and ratchet device so as to stop it from unwinding unless the pawl is retracted.

Generally, the rope is stored on the winch. There is 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 operates the winch handle making use of one hand while tailing the other to be able to maintain tension on the turns. Some winches have a stripper or cleat to be able to maintain tension. These designs are known as "self-tailing" winches.

Usually, a winch is used in big theatrical productions as a part of the mechanics to be able to move scenery. Occasionally there are likewise winches really imbedded in the stage to be able to help move the many bigger 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 so as 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.