

## Winch for Forklift

Forklift Winch - Winches are mechanical tools that are able to pull up or wind out the tension of a rope, wire cable, cable or a wire rope. These devices, in its most basic form, are constructed of a spool and a hand crank. More complicated winches are found at the heart of machines like tow trucks, elevators and steam shovels. Every now and then the spool could be called the winch drum. Complex designs have gear assemblies which could be powered by hydraulic, electric, pneumatic or internal combustion drives. Some winches could 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.

Usually, the rope is stored on the winch. There is similar machine known 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 so as to maintain tension on the turns. Some winches have a cleat or stripper so as 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 so as to move scenery. At times there are also winches actually imbedded in the stage in order to help move the various bigger set pieces on and off the stage.

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