

## Winch for Forklift

Forklift Winch - Winches are mechanical tools which are able to pull up or wind out the tension of a cable, wire rope, rope or a wire cable. These tools, in its most simple form, are constructed of a spool and a hand crank. More complicated winches are found at the heart of machinery like steam shovels, tow trucks and elevators. Sometimes the spool could be called the winch drum. Complex designs have gear assemblies which can be powered by electric, pneumatic, internal or hydraulic combustion drives. Various winches could consist of a solenoid brake or a mechanical brake or a pawl and ratchet apparatus to be able to prevent it from unwinding unless the pawl is retracted.

Generally, the cable or rope is stored on the winch, however the capspan, a similar piece of equipment, does not store the rope. In sailing, when a line is trimmed on a sailboat, the crew member operates the winch handle with one hand while tailing the other to be able to maintain tension on the turns. Some winches have a cleat or stripper in order to maintain tension. These designs are called "self-tailing" winches.

Frequently, a winch is utilized in big theatrical shows as a part of the mechanics in order to transfer background. Every so often there are even winches really imbedded in the stage to help transfer the several larger set pieces off and on the stage.

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