

Winch for Forklift

Forklift Winches - Winches are mechanical tools that can 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 hand crank and a spool. More complex winches are found at the heart of machines such as tow trucks, elevators and steam shovels. Sometimes the spool can be known as the winch drum. Elaborate designs have gear assemblies which could be driven by hydraulic, electric, pneumatic or internal combustion drives. Several winches may consist of a solenoid brake or a mechanical brake or a pawl and ratchet device to be able to stop it from unwinding unless the pawl is retracted.

Generally, the rope or cable is stored on the winch, however the capspan, a similar machine, does not store the rope. In sailing, when trimming a line on a sailboat, the crew member operates the winch handle with one hand while tailing the other so as to maintain tension on the turns. Various winches have a cleat or stripper to maintain tension. These designs are known as "self-tailing" winches.

Quite often, a winch is utilized in huge theatrical shows as a part of the mechanics in order to transfer backdrop. Sometimes there are even winches really imbedded in the stage to help move the several bigger set pieces off and on the stage.

The new generation of winches and winch [parts](#) have been created for snow and water sports enabling the riders to be pulled swiftly across a body of water or of snow. This can stimulate a riding experience that is typically supplied by a wave runner, boat or a snow mobile.