

## Winch for Forklift

Forklift Winch - Winches are mechanical devices which could pull up or wind out the tension of a wire rope, rope, wire cable or cable. These tools, in its most simple form, are constructed of a spool and a hand crank. More complicated winches are seen at the heart of machinery such as tow trucks, elevators and steam shovels. Every so often the spool could be referred to as the winch drum. Elaborate designs have gear assemblies which can be driven by electric, pneumatic, internal or hydraulic combustion drives. Some winches may comprise a mechanical brake or a solenoid brake or a ratchet and pawl apparatus in order to stop it from unwinding unless the pawl is retracted.

Normally, the rope is stored on the winch. There is similar machine called a capstan that does not store the rope. In sailing, when trimming a line on a sailboat, the crew member works the winch handle using one hand while tailing the other so as to maintain tension on the turns. Various winches have a cleat or stripper to be able to maintain tension. These designs are known as "self-tailing" winches.

Quite often, a winch is utilized in large theatrical shows as a part of the mechanics to transfer staging. Sometimes there are likewise winches really imbedded in the stage to be able to help transfer the many bigger set pieces off and on the stage.

The new generation of winches have been created for snow and water sports allowing the riders to be pulled quickly across a body of snow or of water. This could stimulate a riding experience that is typically supplied by a wave runner, boat or a snow mobile.