

## Forklift Winches

Forklift Winch - A winch is a mechanical piece of equipment that specializes in winding up or letting out or winding out or pulling in the tension of a cable, wire rope, rope or a wire cable. In its most basic form it is made of a spool with an attached hand crank. More complex winches are seen at the heart of machines such as tow trucks, elevators and steam shovels. Occasionally the spool could be referred to as the winch drum. Complex designs have gear assemblies that could be powered by hydraulic, electric, pneumatic or internal combustion drives. Various winches can comprise a mechanical brake or a solenoid brake or a ratchet and pawl mechanism so as to stop it from unwinding unless the pawl is retracted.

Most often, the cable or rope is stored on the winch, nevertheless the capstan, a similar piece of equipment, does not store the rope. In sailing, when trimming a line on a sailboat, the crew member operates 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.

Frequently, a winch is utilized in huge theatrical productions as a part of the mechanism so as to move staging. Every so often there are even winches really imbedded in the stage to help transfer the several bigger set pieces on and off the stage.

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