

## Forklift Winch

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

Generally, the rope is stored on the winch. There is similar machinery called a capstan that 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 in order to maintain tension. These designs are known as "self-tailing" winches.

Quite often, a winch is utilized in huge theatrical productions as a part of the mechanics to move scenery. Every now and then there are likewise winches actually imbedded in the stage to be able to help move the many bigger set pieces off and on the stage.

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