

Forklift Winch

Forklift Winches - A winch is a mechanical tool which specializes in pulling in or winding up or letting out or winding out the tension of a wire cable, cable, wire rope or a rope. In its most basic form it is made of a spool along with an attached hand crank. More complicated winches are seen at the heart of machinery such as elevators, steam shovels and tow trucks. Sometimes the spool could be known as the winch drum. Elaborate designs have gear assemblies that could be driven by pneumatic, internal, hydraulic or electric combustion drives. Various winches could include a solenoid brake or a mechanical brake or a ratchet and pawl device to be able to stop it from unwinding unless the pawl is retracted.

Most often, the cable or rope is stored on the winch, nevertheless the capspan, a similar machine, does not store the rope. In sailing, when a line is trimmed on a sailboat, the crew member operates the handle of the winch utilizing one hand while tailing the other so as to maintain tension on the turns. Some 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 used in large theatrical productions as a part of the mechanics to move background. Occasionally there are even winches really imbedded in the stage in order to help move the many larger set pieces off and on the stage.

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