

Forklift Winch

Winches for Forklift - A winch is a mechanical device that specializes in letting out, or winding out or pulling in or winding up the tension of a cable, wire rope, rope or a wire cable. In its most basic form it is constructed of a spool with an attached hand crank. More complicated winches are found at the heart of machines like steam shovels, tow trucks and elevators. At times the spool can be known as the winch drum. Complex designs have gear assemblies which can be powered by hydraulic, electric, pneumatic or internal combustion drives. Various winches may comprise a mechanical brake or a solenoid brake or a ratchet and pawl device 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 capspan, a similar piece of equipment, does not store the rope. In sailing, when a line is trimmed on a sailboat, the crew member operates the winch handle using one hand while tailing the other to be able to maintain tension on the turns. Several winches have a stripper or cleat to maintain tension. These designs are referred to as "self-tailing" winches.

Frequently, a winch is used in big theatrical shows as a part of the mechanism to be able to transfer scenery. At times there are likewise winches actually imbedded in the stage 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 rapidly across a body of water or of snow. This could stimulate a riding experience that is typically supplied by a wave runner, boat or a snow mobile.