

Winches for Forklift

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

Commonly, the cable or rope is stored on the winch, nevertheless the capspan, a similar machine, does not store the rope. In sailing, when trimming a line on a sailboat, the crew member works the handle of the winch using one hand while tailing the other so as to maintain tension on the turns. Various winches have a cleat or stripper to maintain tension. These designs are referred to as "self-tailing" winches.

Quite often, a winch is used in big theatrical productions as a part of the mechanism to transfer backdrop. Every so often there are even winches actually imbedded in the stage in order to help transfer the several bigger set pieces on and off 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 can stimulate a riding experience which is usually supplied by a wave runner, boat or a snow mobile.