

Winch for Forklift

Forklift Winch - A winch is a mechanical piece of equipment that specializes in winding out or pulling in or winding up or letting out the tension of a wire cable, cable, wire rope or a rope. In its most simple form it is made of a spool along with an attached hand crank. More complex winches are found at the heart of machinery like for example elevators, steam shovels and tow trucks. Sometimes the spool can be known as the winch drum. Elaborate designs have gear assemblies which can be powered by electric, pneumatic, internal or hydraulic combustion drives. Several winches can comprise a solenoid brake or a mechanical brake or a pawl and ratchet device so as to stop it from unwinding unless the pawl is retracted.

Commonly, the rope or cable is stored on the winch, nevertheless the capspan, a similar machinery, does not store the rope. In sailing, when a line is trimmed on a sailboat, the crew member operates the winch handle making use of one hand while tailing the other in order to maintain tension on the turns. Some winches have a cleat or stripper to be able to maintain tension. These designs are called "self-tailing" winches.

Normally, winches are used offstage as part of the mechanics so as to transfer backdrop in big theatrical shows. Many times the winches are actually embedded in the stage floor and used in order to transfer large set pieces off and on stage.

The new generation of winches have been made for water and snow 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 boat, snow mobile or a wave runner.