

Winches for Forklift

Forklift Winches - A winch is a mechanical device that specializes in winding up or letting out or winding out or pulling in the tension of a wire rope, a rope, wire cable or a cable. In its most basic form it is constructed of a spool with a connected hand crank. More complicated winches are seen at the heart of machinery 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 which could be driven by electric, pneumatic, internal or hydraulic combustion drives. Various winches could consist of a solenoid brake or a mechanical brake or a pawl and ratchet apparatus to be able to prevent it from unwinding unless the pawl is retracted.

Most often, the rope or cable is stored on the winch, however the capspan, a similar machinery, does not store the rope. In sailing, when trimming a line on a sailboat, the crew member operates the winch handle utilizing one hand while tailing the other to be able to maintain tension on the turns. Several winches have a cleat or stripper to maintain tension. These designs are known as "self-tailing" winches.

Quite often, a winch is used in large theatrical shows as a part of the mechanism to be able to transfer background. Every now and then there are even winches actually imbedded in the stage so as to help move the several larger set pieces off and on the stage.

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