

Winch for Forklift

Forklift Winches - Winches are mechanical devices which can wind out, or pull up the tension of a cable, wire rope, rope or a wire cable. These devices, in its most basic form, are made of a spool and a hand crank. More complicated winches are found at the heart of machines like for example elevators, steam shovels and tow trucks. Occasionally the spool could be called the winch drum. Complex designs have gear assemblies which could be driven by electric, pneumatic, internal or hydraulic combustion drives. Various winches can comprise a solenoid brake or a mechanical brake or a pawl and ratchet mechanism so as to stop it from unwinding unless the pawl is retracted.

Commonly, the rope or cable is stored on the winch, then again 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 with one hand while tailing the other in order to maintain tension on the turns. Various winches have a cleat or stripper to maintain tension. These designs are known as "self-tailing" winches.

Quite often, a winch is utilized in huge theatrical shows as a part of the mechanics to move setting. Every so often there are even winches actually imbedded in the stage to help move the various larger set pieces on and off the stage.

The new generation of winches have been created for snow and water sports allowing the riders to be pulled quickly 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.