

Winch for Forklift

Forklift Winch - Winches are mechanical devices that can wind out, or pull up the tension of a wire cable, cable, wire rope or a rope. These tools, in its most basic form, are constructed of a spool and a hand crank. More complicated winches are seen at the heart of machinery like for instance steam shovels, tow trucks and elevators. At times the spool can be called the winch drum. Complex designs have gear assemblies that can be driven by electric, pneumatic, internal or hydraulic combustion drives. Some winches can include a solenoid brake or a mechanical brake or a ratchet and pawl mechanism to be able to prevent it from unwinding unless the pawl is retracted.

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

Usually, a winch is utilized in large theatrical productions as a part of the mechanism to be able to move backdrop. Every now and then there are also winches actually imbedded in the stage so as to help transfer the various bigger set pieces on and off the stage.

The new generation of winches have been made for water and snow sports allowing the riders to be pulled swiftly across a body of snow or of water. This could stimulate a riding experience which is typically supplied by a snow mobile, wave runner or a boat.