

Winch for Forklift

Forklift Winch - A winch is a mechanical tool which specializes in pulling in or winding up or letting out or winding out the tension of a wire rope, a rope, wire cable or a cable. In its most basic form it is made of a spool with a connected hand crank. More complex winches are seen at the heart of machinery such as elevators, steam shovels and tow trucks. Every so often the spool could be called the winch drum. Elaborate designs have gear assemblies which can be driven by electric, pneumatic, internal or hydraulic combustion drives. Some winches may comprise a solenoid brake or a mechanical brake or a pawl and ratchet device in order to stop it from unwinding unless the pawl is retracted.

Commonly, the rope or cable is stored on the winch, then again the capstan, a similar machine, does not store the rope. In sailing, when trimming a line on a sailboat, the crew member works the winch handle with one hand while tending the other to be able to maintain tension on the turns. Various winches have a stripper or cleat so as to maintain tension. These designs are called "self-tailing" winches.

Usually, a winch is utilized in big theatrical productions as a part of the mechanism to transfer setting. Occasionally there are even winches actually imbedded in the stage to help move the several bigger 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 swiftly across a body of snow or of water. This can stimulate a riding experience which is usually supplied by a boat, snow mobile or a wave runner.