

## Winches for Forklift

Forklift Winch - A winch is a mechanical tool that specializes in winding out or pulling in or winding up or letting out the tension of a rope, wire cable, cable or a wire rope. In its most simple form it is constructed of a spool along with a connected hand crank. More complex winches are found at the heart of machinery such as tow trucks, elevators and steam shovels. Occasionally the spool can be referred to as the winch drum. Complex designs have gear assemblies which could be driven by electric, pneumatic, internal or hydraulic combustion drives. Several winches may include a solenoid brake or a mechanical brake or a pawl and ratchet mechanism so as to prevent it from unwinding unless the pawl is retracted.

Generally, the rope is stored on the winch. There is similar machinery referred to as a capstan that does not store the rope. In sailing, when a line is trimmed on a sailboat, the crew member operates the winch handle using one hand while tailing the other in order to maintain tension on the turns. Various winches have a stripper or cleat to maintain tension. These designs are known as "self-tailing" winches.

Frequently, a winch is utilized in big theatrical shows as a part of the mechanics in order to move setting. Every now and then there are likewise winches really imbedded in the stage in order to help move the many larger set pieces on and off the stage.

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