

## Forklift Winch

Forklift Winch - A winch is a mechanical device that specializes in pulling in or winding up or letting out or winding out the tension of a rope, wire cable, cable or a wire rope. In its most basic form it is made of a spool along with a connected hand crank. More complicated winches are seen at the heart of machines like elevators, steam shovels and tow trucks. At times the spool could be called the winch drum. Complex designs have gear assemblies that can be driven by internal, hydraulic, electric or pneumatic combustion drives. Some winches can comprise a mechanical brake or a solenoid brake or a ratchet and pawl mechanism so as to prevent it from unwinding unless the pawl is retracted.

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

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

Lately, winches have been made in specific designs for water and snow sports. This new generation of winches is designed to be able to pull riders rapidly across a body of snow or of water. This can stimulate a riding experience that is normally supplied by a wave runner, boat or a snow mobile.