

## Winch for Forklift

Winches for Forklift - A winch is a mechanical device which 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 basic form it is constructed of a spool along with a connected hand crank. More complicated winches are found at the heart of machines like elevators, steam shovels and tow trucks. Sometimes the spool could be called the winch drum. Complex designs have gear assemblies which can be driven by pneumatic, internal, hydraulic or electric combustion drives. Several winches can consist of 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 a similar machine known as a capstan which does not store the rope. In sailing, when a line is trimmed on a sailboat, the crew member operates the handle of the winch using one hand while tailing the other in order to maintain tension on the turns. Several 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 big theatrical shows as a part of the mechanism so as to move scenery. Every now and then there are even winches actually imbedded in the stage to help move the many bigger set pieces on and off the stage.

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