

## Winches for Forklift

Forklift Winches - A winch is a mechanical tool that specializes in pulling in or winding up or letting out or winding out the tension of a wire cable, cable, wire rope or a rope. In its most basic form it is constructed of a spool along with a connected hand crank. More complex winches are found at the heart of machinery like tow trucks, elevators and steam shovels. Every so often the spool can be called the winch drum. Elaborate designs have gear assemblies that could be driven by pneumatic, internal, hydraulic or electric combustion drives. Various winches may consist of a solenoid brake or a mechanical brake or a pawl and ratchet device to be able 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 works the handle of the winch utilizing one hand while tailing the other so as to maintain tension on the turns. Some winches have a stripper or cleat to maintain tension. These designs are known as "self-tailing" winches.

Normally, winches are used offstage as part of the mechanics in order to transfer setting in large theatrical productions. A lot of times the winches are really embedded in the stage floor and utilized to be able to move big set pieces on and off stage.

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