

## 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 complicated winches are seen at the heart of machines like steam shovels, tow trucks and elevators. Sometimes the spool can be referred to as the winch drum. Elaborate designs have gear assemblies which could be driven by hydraulic, electric, pneumatic or internal combustion drives. Some winches could comprise a mechanical brake or a solenoid brake or a pawl and ratchet apparatus to be able to stop it from unwinding unless the pawl is retracted.

Normally, the rope is stored on the winch. There is a similar piece of equipment called a capstan that does not store the rope. In sailing, when a line is trimmed on a sailboat, the crew member operates the handle of the winch making use of one hand while tailing the other so as to maintain tension on the turns. Some winches have a cleat or stripper to be able to maintain tension. These designs are referred to as "self-tailing" winches.

Normally, winches are used offstage as part of the mechanism to be able to transfer background in large theatrical productions. Lots of times the winches are really embedded in the stage floor and utilized in order to transfer large set pieces on and off stage.

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