

## Forklift Winches

Forklift Winch - A winch is a mechanical piece of equipment 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 simple form it is made of a spool together with an attached hand crank. More complicated winches are found at the heart of machines like tow trucks, elevators and steam shovels. Sometimes the spool can be called the winch drum. Elaborate designs have gear assemblies that could be powered by pneumatic, internal, hydraulic or electric combustion drives. Various winches may include a mechanical brake or a solenoid brake or a pawl and ratchet device to be able to stop it from unwinding unless the pawl is retracted.

Commonly, the rope or cable is stored on the winch, nonetheless the capspan, a similar piece of equipment, does not store the rope. In sailing, when trimming a line on a sailboat, the crew member works the handle of the winch using one hand while tailing the other in order to maintain tension on the turns. Various winches have a cleat or stripper to maintain tension. These designs are called "self-tailing" winches.

Quite often, a winch is utilized in large theatrical shows as a part of the mechanism to move setting. Sometimes there are also winches actually imbedded in the stage to help transfer the various bigger set pieces off and on the stage.

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