

Winches for Forklift

Forklift Winch - A winch is a mechanical piece of equipment that specializes in winding out or pulling in or winding up or letting out the tension of a cable, wire rope, rope or a wire cable. 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 for example tow trucks, elevators and steam shovels. Every now and then the spool can be called the winch drum. Elaborate designs have gear assemblies that could be driven by hydraulic, electric, pneumatic or internal combustion drives. Various winches may comprise a solenoid brake or a mechanical brake or a pawl and ratchet device to be able to stop it from unwinding unless the pawl is retracted.

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

Frequently, winches are utilized backstage as part of the mechanism in order to transfer staging in big theatrical shows. A lot of times the winches are actually embedded in the stage floor and utilized to be able to move huge set pieces off and on stage.

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