

Forklift Winch

Winch for Forklift - A winch is a mechanical tool that specializes in pulling in or winding up or letting out or winding out the tension of a cable, wire rope, rope or a wire cable. In its most basic form it is made of a spool together with a connected hand crank. More complicated winches are seen at the heart of machines like for instance tow trucks, elevators and steam shovels. Sometimes the spool could be referred to as the winch drum. Complex designs have gear assemblies that could be driven by internal, hydraulic, electric or pneumatic combustion drives. Various winches may consist of a mechanical brake or a solenoid brake or a pawl and ratchet apparatus to be able to prevent it from unwinding unless the pawl is retracted.

Generally, the rope or cable is stored on the winch, however the capstan, a similar machine, does not store the rope. In sailing, when trimming a line on a sailboat, the crew member works the handle of the winch with one hand while tailing the other to be able to maintain tension on the turns. Various winches have a cleat or stripper to be able to maintain tension. These designs are referred to as "self-tailing" winches.

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

The new generation of winches have been created for snow and water 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 boat, snow mobile or a wave runner.