

Forklift Winches

Forklift Winch - A winch is a mechanical tool which 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 basic form it is constructed of a spool with a connected hand crank. More complicated winches are found at the heart of machinery like steam shovels, tow trucks and elevators. Occasionally the spool could be referred to as the winch drum. Elaborate designs have gear assemblies that could be driven by internal, hydraulic, electric or pneumatic combustion drives. Various winches may comprise a solenoid brake or a mechanical brake or a ratchet and pawl mechanism to be able to prevent it from unwinding unless the pawl is retracted.

Commonly, the rope or cable is stored on the winch, however the capspan, a similar piece of equipment, does not store the rope. In sailing, when trimming a line 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 stripper or cleat to be able to maintain tension. These designs are called "self-tailing" winches.

Normally, winches are used offstage as part of the mechanism to be able to move scenery in big theatrical shows. 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 created for snow and water sports allowing the riders to be pulled swiftly across a body of water or of snow. This could stimulate a riding experience that is normally supplied by a boat, snow mobile or a wave runner.