

Forklift Winch

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

Commonly, the rope or cable is stored on the winch, then again the capstan, a similar machinery, does not store the rope. In sailing, when trimming a line on a sailboat, the crew member operates the winch handle using one hand while tailing the other to be able to maintain tension on the turns. Several winches have a stripper or cleat to be able to maintain tension. These designs are referred to as "self-tailing" winches.

Quite often, a winch is utilized in big theatrical shows as a part of the mechanism to be able to move backdrop. Every now and then there are also winches really imbedded in the stage to be able to help transfer the various larger set pieces on and off the stage.

Recently, winches have been fabricated in particular designs for water and snow sports. This new generation of winches is designed to pull riders rapidly across a body of snow or of water. This could stimulate a riding experience that is normally supplied by a wave runner, boat or a snow mobile.