

Forklift Winch

Forklift Winches - A winch is a mechanical device which specializes in pulling in or winding up or letting out or winding out the tension of a wire cable, cable, wire rope or a 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 such as tow trucks, elevators and steam shovels. Occasionally the spool could be referred to as the winch drum. Elaborate designs have gear assemblies that can be driven by pneumatic, internal, hydraulic or electric combustion drives. Several winches may consist of a mechanical brake or a solenoid brake or a ratchet and pawl apparatus so as to stop it from unwinding unless the pawl is retracted.

Generally, the cable or rope is stored on the winch, nevertheless the capstan, a similar piece of equipment, does not store the rope. In sailing, when a line is trimmed on a sailboat, the crew member operates the handle of the winch making use of one hand while tailing the other to be able to maintain tension on the turns. Several winches have a stripper or cleat in order to maintain tension. These designs are called "self-tailing" winches.

Quite often, a winch is utilized in huge theatrical productions as a part of the mechanics to be able to transfer staging. Every so often there are also winches actually imbedded in the stage so as to help move the several bigger set pieces on and off the stage.

Lately, winches have been made in certain designs for snow and water sports. This new generation of winches is designed to pull riders quickly across a body of water or of snow. This could stimulate a riding experience which is usually supplied by a boat, snow mobile or a wave runner.