

Forklift Winches

Forklift Winch - A winch is a mechanical device which specializes in winding up or letting out or winding out or pulling in the tension of a wire cable, cable, wire rope or a rope. In its most simple form it is constructed of a spool together with a connected 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 could be referred to as the winch drum. Complex designs have gear assemblies which can be powered by hydraulic, electric, pneumatic or internal combustion drives. Several winches may comprise a mechanical brake or a solenoid brake or a pawl and ratchet device so as to prevent it from unwinding unless the pawl is retracted.

Normally, 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 trimming a line on a sailboat, the crew member operates the handle of the winch utilizing one hand while tailing the other to be able to maintain tension on the turns. Various winches have a cleat or stripper so as to maintain tension. These designs are called "self-tailing" winches.

Frequently, a winch is used in huge theatrical productions as a part of the mechanics so as to move setting. Every now and then there are also winches really imbedded in the stage so as to help transfer the many larger set pieces on and off the stage.

The new generation of winches have been created for snow and water sports enabling the riders to be pulled rapidly across a body of water or of snow. This can stimulate a riding experience that is normally supplied by a wave runner, boat or a snow mobile.