

Winch for Forklift

Forklift Winch - 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 rope, a rope, wire cable or a cable. In its most simple form it is made of a spool with a connected hand crank. More complex winches are seen at the heart of machinery like for instance steam shovels, tow trucks and elevators. Sometimes the spool can be referred to as the winch drum. Elaborate designs have gear assemblies that can be powered by pneumatic, internal, hydraulic or electric combustion drives. Some winches can comprise a solenoid brake or a mechanical brake or a ratchet and pawl device in order to stop it from unwinding unless the pawl is retracted.

Generally, the cable or rope 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 operates the winch handle making use of one hand while tending the other so as to maintain tension on the turns. Some winches have a cleat or stripper to maintain tension. These designs are called "self-tailing" winches.

Quite often, a winch is utilized in big theatrical shows as a part of the mechanics so as to move setting. Occasionally there are likewise winches actually imbedded in the stage so as to help transfer the several bigger set pieces on and off the stage.

The new generation of winches have been made 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 normally supplied by a boat, snow mobile or a wave runner.