

Winch for Forklift

Forklift Winch - A winch is a mechanical tool that specializes in winding out or pulling in or winding up or letting out the tension of a wire cable, cable, wire rope or a rope. In its most simple form it is made of a spool along with a connected hand crank. More complicated winches are found at the heart of machinery like tow trucks, elevators and steam shovels. Occasionally the spool could be referred to as the winch drum. Elaborate designs have gear assemblies which could be powered by pneumatic, internal, hydraulic or electric combustion drives. Various winches could comprise a mechanical brake or a solenoid brake or a ratchet and pawl mechanism to be able to stop it from unwinding unless the pawl is retracted.

Generally, the rope or cable is stored on the winch, nonetheless the capspan, a similar machine, does not store the rope. In sailing, when a line is trimmed on a sailboat, the crew member works the winch handle using one hand while tending the other in order to maintain tension on the turns. Several winches have a stripper or cleat to maintain tension. These designs are referred to as "self-tailing" winches.

Usually, a winch is used in large theatrical shows as a part of the mechanism so as to move scenery. Occasionally there are even winches actually imbedded in the stage so as to help transfer the several larger set pieces off and on the stage.

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