

Winch for Forklift

Forklift Winch - A winch is a mechanical piece of equipment that specializes in letting out, or winding out or pulling in or winding up the tension of a rope, wire cable, cable or a wire rope. In its most basic form it is constructed of a spool along with a connected hand crank. More complex winches are seen at the heart of machines like tow trucks, elevators and steam shovels. Sometimes the spool can be known as the winch drum. Complex designs have gear assemblies which can be powered by hydraulic, electric, pneumatic or internal combustion drives. Some winches can consist of a solenoid brake or a mechanical brake or a ratchet and pawl device to be able to prevent it from unwinding unless the pawl is retracted.

Usually, the rope is stored on the winch. There is similar piece of equipment referred to as a capstan that does not store the rope. In sailing, when a line is trimmed on a sailboat, the crew member works the winch handle making use of one hand while tailing the other so as to maintain tension on the turns. Several winches have a stripper or cleat to maintain tension. These designs are called "self-tailing" winches.

Usually, a winch is utilized in large theatrical productions as a part of the mechanics so as to transfer backdrop. Every so often there are also winches actually imbedded in the stage so as to help transfer the several bigger set pieces off and on the stage.

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