

Forklift Winch

Winches for Forklift - Winches are mechanical devices which can wind out, or pull up the tension of a cable, wire rope, rope or a wire cable. These devices, in its most basic form, are made of a spool and a hand crank. More complex winches are seen at the heart of machinery like for instance tow trucks, elevators and steam shovels. Every now and then the spool could be referred to as the winch drum. Elaborate designs have gear assemblies which can be driven by pneumatic, internal, hydraulic or electric combustion drives. Some winches can comprise a mechanical brake or a solenoid brake or a ratchet and pawl device so as to stop 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 a line is trimmed on a sailboat, the crew member operates the winch handle using one hand while tailing the other to be able to maintain tension on the turns. Several winches have a cleat or stripper so as to maintain tension. These designs are called "self-tailing" winches.

Frequently, winches are used offstage as part of the mechanism to be able to transfer backdrop in large theatrical productions. A lot of times the winches are actually embedded in the stage floor and used to be able to transfer big set pieces off and on stage.

The new generation of winches have been made for snow and water sports allowing the riders to be pulled swiftly 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.