

Forklift Winches

Forklift Winch - Winches are mechanical tools that 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 steam shovels, tow trucks and elevators. Sometimes the spool could be known as the winch drum. Complex designs have gear assemblies which could be powered by internal, hydraulic, electric or pneumatic combustion drives. Some winches can consist of a solenoid brake or a mechanical brake or a ratchet and pawl mechanism to be able to stop it from unwinding unless the pawl is retracted.

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

Quite often, a winch is used in large theatrical productions as a part of the mechanism so as to transfer background. Occasionally there are also winches actually imbedded in the stage to help transfer the several bigger set pieces off and on the stage.

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