

Technical Bulletin

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Subject: Power Operation of Salalift® I Winch

The Capital Safety Salalift® I winch is designed and typically used for manual operation. Certain situations where the speed of the rescue, coupled with fatigue experienced by the operator during long lifts, may necessitate the need for a powered drive operation.

The Capital Safety Salalift® I winch may be operated by a powered drive mechanism under the following conditions:

1. The winch power drive mechanism must only be used for raising. For lowering, the winch must be operated manually.
2. Power drive mechanism is applied to low speed input shaft only.
3. Winch brakes are not to be removed or disabled.
4. Maximum speed of power drive mechanism is 80 rpm.
5. Maximum torque of power drive mechanism is 40.7 Nm and the torque limiter must be used.
6. Proper grounding and insulation must protect electric drives.
7. Winch gear oil must be checked monthly and change every six months minimum
8. All applicable manufacturer instructions must be followed.
9. Manual mode to raise and lower shall remain operational after removal of powered drive mechanism.
10. All applicable safety measures for confined spaces shall be followed.

The Underwriters Laboratory (UL) Classification on the Salalift® I winch only applies to manual operation. Winch input shaft is a 12mm square drive.