



Unique Device Attaches to Man-Riding System to Warn Operator and Limit Forces on an Entangled Worker

- System connects in-line between the person being raised and the winch line to act as a safety link
- High visibility YELLOW lifeline (30 ft./9.1m) deploys under load alerting winch operator of entanglement
- Limits forces on an entangled person from approximately 400 lbs. (182 kg) to 700 lbs. (318 kg), reducing possible injury
- Device automatically resets itself following activation for complete job site safety
- Portable and extremely lightweight device installs in only seconds
- This product should be used as a part of a system used to lift personnel in order to make that system safe
- Durable reinforced plastic housing is lightweight and long lasting to resist dents, corrosion and damage from typical field use
- i-Safe™ Intelligent Safety System is built into every unit to track inspections, control inventory and manage information

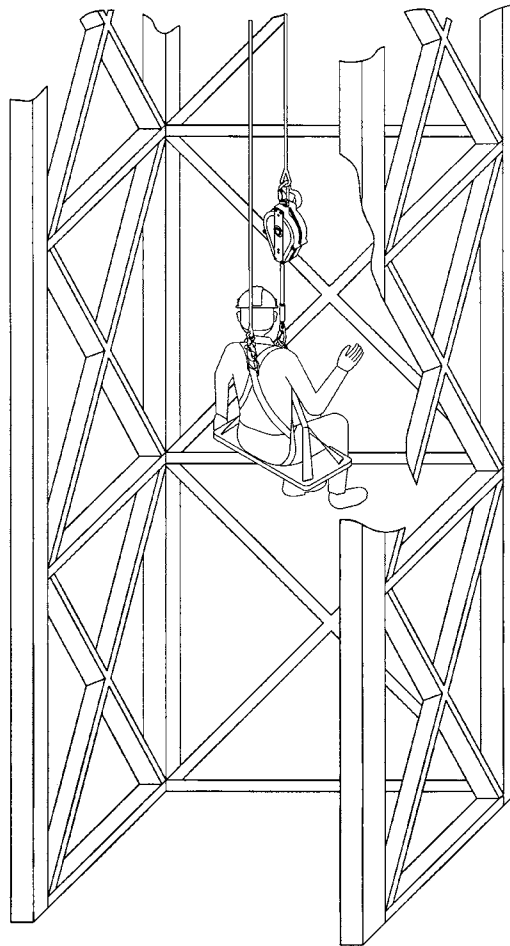
i
SAFE[™]
INTELLIGENT
SAFETY SYSTEM
EQUIPPED

Unique Safety Mechanism

The Tension Limiter is designed to be mounted in-line between the user and the raising/lowering winch line. It will reduce the forces that a worker may be exposed to when being raised by a winch should the worker become caught-up in a fixed structure nearby. Should the person being raised become entangled, the Tension Limiter will begin to pay out a high visibility lifeline (bright yellow) warning the operator and limiting the forces on the user. The winch operator should stop the raising operations immediately and free the entangled person. The Tension Limiter is one component of a complete system (including the winch/hoist, back up fall arrest system, training and job specific processes/procedures) that can be used to raise and lower personnel with powered lifting winches.

Safe Lifting System

The Tension Limiter helps maintain a level of safety when personnel raising operations occur with a power winch system. Often, power winches can not safely be used to raise/lower personnel because they are not forgiving should the person become entangled. This device limits forces and allows the winch line operator time to react to an entangled worker. The use of the Tension Limiter and back-up fall protection alone does not qualify the winch for lifting personnel. Other safety features such as speed limiting controls, secondary brake systems, "dead-man" switch, equipment inspections, operator training and on-site communications must also be considered when setting up a lifting winch for personnel. The end user is responsible for determining if the winch or hoist unit and the related processes and procedures for lifting / lowering operations are appropriate for personnel.



Note: The Tension Limiter is not designed to be a fall arrest device for personnel. It is designed to limit the loading force a person could be subjected to should they become entangled in the structure while the main winch line continues to operate. Always use a separate back up fall protection device with the Tension Limiter device.

PLEASE NOTE : This product alone will not make a material winch a man-rated winch.

Tension Limiter Models:

- 5900177:** Tension Limiter Device with 30 ft (9.1m) of high visibility stainless steel cable and self locking carabiner at lifeline end
- 5900184:** Tension Limiter Device with 30 ft (9.1m) of high visibility stainless steel cable and stainless steel self locking snaphook at lifeline end

Specifications:

Rated Capacity: 75 lbs. (34 kg) to 310 lbs. (141 kg) **Tension Limit Range:** begins to slip at 400 lbs. (182 kg) **Strength of Assembly:** 3,000 lbs. (13.3 kN) with line at full deployment **Length of Lifeline:** 30 ft. (9.1m) **Size:** 8 in. wide x 11.5 in. long x 3.5 in. thick (20 cm x 29 cm x 9 cm) **Weight:** 15 lbs. (6.8kg) **General Construction:** Threaded fasteners for bolt-up assembly **Housing Material:** 2 piece, thermoplastic composite, zinc plated alloy steel swivel eye with .65 diameter opening **Lifeline Material:** 3/16 in. diameter (5mm) stainless steel wire rope, wire rope, 3,700 lbs (16.5kN) tensile strength, painted yellow **Snap Hook:** Zinc plated alloy steel, self locking and swiveling, 5,000 lbs. (22.2 kN) tensile strength

Capital Safety

USA: 800.328.6146 • Canada: 800.387.7484 • Latin America: +1 651.385.4301 • Asia: +65 6558 7758 • Australia: 1800 245 002
New Zealand: 0800 212 505 • Europe, Middle East, Africa: +33 (0)4 97 10 00 10 • Northern Europe: +44 (0) 1928 571324
www.capitalsafety.com • info@capitalsafety.com