

## SR21 INSTRUCTION MANUAL

### WARNING!

The SR21 is an auto-descending device for industrial workers at heights of up to 50 feet using the standard length of heavy-duty webbing. Users of this product must read all instructions and familiarize themselves with the unit before use.

1. The user of the SR21 is responsible for the proper, regular care and maintenance of the unit.
2. Improper use, abuse and/or lack of regular care and maintenance of the unit will increase the risk of serious injury or death.
3. Any litigation involving SR21 will be in Pennsylvania pursuant to Pennsylvania State Law.
4. This product must only be used by a competent and responsible person.
5. The user of the SR21 is responsible for following OSHA, ANSI and all other applicable state and federal regulations regarding the use of these products for any application.
6. All provided information or label (front and back) must be thoroughly read and understood before and after each use. The SR21 is designed and tested for single person use not to exceed 310-pound total weight (person and gear).
7. The user of the SR21 unit and carabiners in any application or manner assumes all risks and accepts full responsibility for any damages and injury of any kind from the use of this product. All work requiring the use of Personal Protective Equipment is not safe and is considered dangerous.
8. Works or activities at heights are inherently dangerous and present the risk of serious injury and/or death.
9. The user of the SR21 is personally responsible for seeking and obtaining qualified training and instruction on the use, techniques and limitations involved in such use.
10. The user must always anchor above their height and connect to D-Ring at chest height.
11. If the user is not sure or does not agree to any warning statement, do not use this product. Please contact the manufacturer or qualified representative to answer questions or concerns you may have.
12. The SR21 is designed for descent use only in case of a fall.
13. The SR21 is a descent device therefore using it above electrical, thermal chemical or other hazards should be avoided. Failure to follow these instructions can result in serious injury and/or death.
14. The SR21 is constructed from proprietary webbing and components and any attempt to alter or replace components unless expressly defined in the instruction manual can result in serious injury and/or death. Any replacement of webbing must be done by the manufacturer and retested before putting the unit back into service.
15. The SR21 is inspected, calibrated, and tested at the factory before shipping and is recorded on the Calibration Tag. When purchased, a qualified safety administrator is to inspect and fill out the first date on the Annual Inspection Tag under the "Anchor" wrap on the webbing. When the last annual inspection date is entered on the tag, the unit has one year of use before sending back to manufacturer for reconditioning, reinspection, and recertification before it can be put back into service. Otherwise, it should be discarded.
16. Never allow the lanyard or webbing to wrap around your body or neck. Failure to comply can result in serious injury or death.

## INSTRUCTIONS

The SR21 comes with two carabiners-One on the lanyard, marked "D-Ring" that is to be attached to the safety harness in either the front or back torso D-Ring on the harness(follow harness instructions for attachment location) The second is marked "Anchor" and is attached to the webbing coming from the top of the SR21 and should be attached to the anchor at ground level and remain attached at all times.

Carabiners are spring loaded and should lock in place. If for any reason the carabiner does not lock remove from service.

When not in use the webbing should be stored in SR21 bag sold with the unit. When in use the webbing roll should be lifted and set in bag gently because in the event of a fall the webbing will need to fall or feed out of the bag.

In the event of a fall, if the webbing does not feed out of the bag your descent may be stopped and you will need to pull it out of the bag so that it falls freely to the ground to continue your descent.

You may stop or slow your descent at any time by grasping the webbing below the SR21 unit.

The SR21 is an automatic descent device and when attached to a proper anchor and the harness of the user it will lower the user to the ground without any manipulation by the user. During testing with a 300lb ANSI mannequin the average force of impact was 390lb which represents an approximate 66% reduction in typical impact force.

All units come preset and pretested for 190lb user weight. Units can be set for user weights of 130lb to 300+lbs. All units can be preset for lower or higher weights from the factory at the time of purchase. Properly trained personnel can make weight adjustments at the work site using instructions from the videos on the SR21 website. Any unit that has been adjusted should be tested for the user before use on the job.

Safety tags are attached to each unit. Each tag should be read, understood, and directions thereon followed as written.

The tags are: **Warning Tag/Calibration Tag**- Appropriate Warning Reminders on one side and on the other side is Calibration date, which is the date of manufacture, certification by manufacturer representative and includes serial number.

**Certification Tag/Annual Inspection Tag**-Lists certifications and other side has dates for annual inspection of each unit. An inspection should be conducted after any/each deployment in event of actual fall. Initial inspection and test falls should be included on Annual Inspection Tag as the beginning of service, once the unit has been in service for four years it should be taken out of service and returned to manufacturer for refurbishment and recertification before being put back into service.