



# SUPER ANCHOR SAFETY®

## Value-Z™ Vertical Lifeline

### Instruction/Specification Manual 01-2022

CSA Certified for use in Canada

ENGLISH  
VERSION

**!WARNING TO USER!**  
You are required to read and use the Instruction/Specification manual supplied at the time this device was shipped. Improper use and installation can result in serious injury or death. Follow inspection requirements before each use.

#### Lifeline Specifications

**Lifeline:** 3 strand 5/8" (16mm) polyolefin/polyester  
**Min. Tensile Strength:** 9,900lb (45kN)  
**Max. Elongation:** @1,800lb=10%  
**Connector:** Snaphook 3,600lb (16kN) gate strength  
**Terminations:** A-end aluminum swage B-end aluminum swage stopper  
*Note: Lifeline and service lengths are nominal and will vary slightly.*

#### Specifications of Use

Personal Fall Arrest System (PFAS) including tools and equipment for one person use only.  
**Max. free fall:** 6ft (1.8m)  
**Min. user wt.:** 135lb (61kg) Max. G-Force: 7g  
**Max. user wt.:** 310lb (140kg) Max. G-Force: 10g  
**Working Temperatures:** -30°F (37°C) to 130°F (54°C)

#### Hazard Warnings! DO NOT come in contact with:

- Sharp or abrasive edges or cutting tools
- Electrical sources and power lines
- Open flame, high heat or hot asphalt
- Adhesives, gasoline, diesel, kerosene, solvents, acids, caulking, paint or stains
- Cleaning agents or any chemicals that are damaging to polyester or to zinc plated steel

The lower end of the lifeline shall have a termination that prevents the fall arrester from passing through the termination. When the line is installed, the bottom end shall have a counterweight to provide stiffness.

#### Lifeline Anchorage Specification

Connect the A-end of lifeline to a compatible anchorage device that complies with CSA Z259.15-12 or is 3<sup>rd</sup> party certified by a registered Canadian engineer. The anchorage should be capable of supporting 2x the max. arrest force of an engineered system or 5,000lb (23kN).

**DO NOT** wrap the lifeline around any object or loop through its snaphook or carabiner (See Fig.9d) or tie knots above the fall arrester position (See Fig.9a).

#### Personal Energy Absorber (E/A)

**Fall Arrest:** Attach the A-end of the E/A to the dorsal D-ring of a full body harness (See Figs.2,6c).

**Fall Restraint:** Attach to the side D-rings of the harness.

#### E/A Function and Performance Test

To reduce serious bodily injury in a free fall, E/As are designed to reduce deceleration forces to no more than 10g. When the fall arrester locks onto the lifeline, the E/A's tear webbing will gradually deploy (tear out) (See Fig.12a), reducing the free fall velocity to a complete stop (fall arrest). The E/A's backer webbing limits the max. deployment length to 66" (1.6m). See p. 3 PID labels and p. 4 Length of Fall sample plan.

#### Fall Arrester (FA) Function/Adjustment

The FA locks in one direction only and must be attached with the direction arrow pointing to the lifeline's A-end (See Figs.1,7b,9a). The FA locks onto the lifeline when a force is applied to the connector ring (See Fig.8a). Adjust the FA's position by moving it up or down on the lifeline (See Fig.8b). The FA's panic grab feature is designed to prevent accidental disengagement by the user in the event of a fall.

**DO NOT** remove the fall arrester from the E/A's web loop end.

**Warning!** In the event of a free fall the FA's locking function can be disabled when any of the following conditions occur:

- Is installed in the wrong direction
- The lifeline is grabbed above the FA's position on the lifeline (See Fig.9e)
- The FA's body is grabbed (See Fig.9f)

#### Energy Absorber (E/A) Specifications

**Arrest Force:** Avg.1,350lb (6kN) Max.1,800lb (8kN)  
**Max. Deployment:** 66" (1.6m)  
**Performance Factor:** Not less than 2.3  
**Tear/Cover Webbing:** Polyester  
**Min. Tensile Strength:** 5,000lb (23kN)  
**A-end Connectors:** 3,600lb (16kN) gate strength  
**Fall Arrester:** No.4015-Z factory attached to the E/A. Zinc plated w/anti-panic feature.  
**Max. deceleration:** 39" (1m) @ 310lb (140kg)

#### Compliance

**Lifeline:** CSA Z259.2.5/OSHA 1926.502  
**E/A:** CSA Z259.11-17  
**Connector Compliance:** ANSI-Z359.12-2009 CSA-Z259.12-11  
**SAS= Super Anchor Safety**  
⊗ Inspection Points  
\* "Qualified or Competent Person" as defined by CSA, ANSI or OSHA.

#### Non-Specified Use/System Modification

Fall arresters should not be used to suspend workers. **DO NOT** use for horizontal lifelines, hoisting, lifting, towing, animal tether or any non-fall protection uses. **DO NOT** reduce the lifelines factory supplied length. **DO NOT** remove the end stopper.

Fig.3

No.4025-25ZUL 25ft  
No.4025-50ZUL 50ft  
E/A No.6190-ZUL  
Ultra-Lite™ Dee-Loop



Fig.4

No.4025-25ZC 25ft  
No.4025-50ZC 50ft  
E/A No.6183-ZZ  
w/No.5006-Z  
Aluminum Carabiner



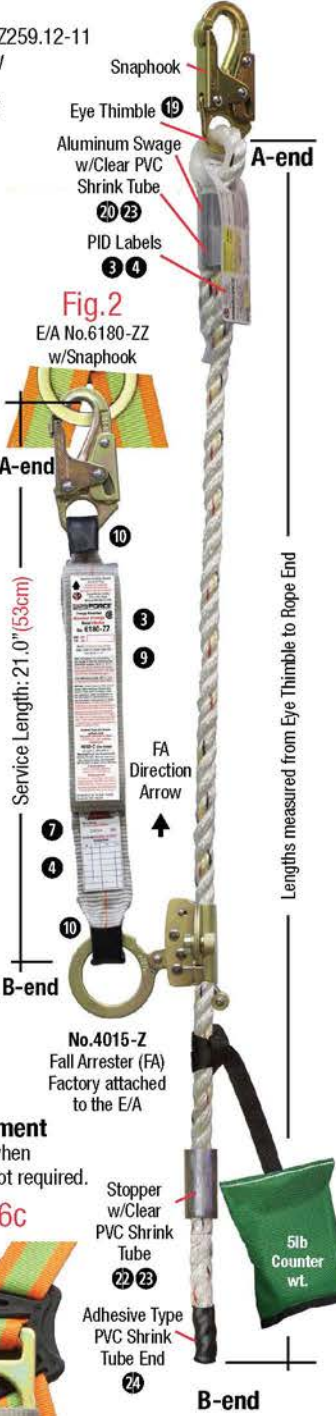
Fig.5

No.4025-25ZC 25ft  
No.4025-50ZC 50ft  
E/A No.6183-ZC  
w/No.5000-ZY Alum.  
Captive Carabiner



Fig.1 Value-Z™ Lifelines

No.4025-25ZSH 25ft  
No.4025-50ZSH 50ft



#### Ultra-Lite™ Cinch Knot D-ring Attachment

Dee-Loops are designed for captive attachment when removal of the E/A from the full body harness is not required.

Fig.6a



Feed Dee-Loop thru D-ring with PID label facing out as shown.

Fig.6b



Slide Shock Pack thru Dee-Loop

Fig.6c



Cinch Dee-Loop Tightly