



Synthetic Lifelines Instruction/Specification Manual 2025

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.

Specified Use

Max. User Wt: 310lb (140kg), including tools and equipment.

Fall arrest, fall restraint and work positioning.

Max. Working Temperatures: -30°F to 130°F

Free Fall: 6ft. **Max. Arrest Force:** 1,800lb.

Compliance

OSHA 1926.502, ANSI Z359.1-07/15-14

Connector Compliance

ANSI-Z359.12-2009 CSA-Z259.12-11

*"Competent or Qualified Person" see OSHA definition.

SAS = Super Anchor Safety ⓧ Inspection Points

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.

Lifeline Model Types

Fig.1

No.4020

Value™ 3 Strand

5/8" Polyester

Tensile Strength:

Min. 9,900lb

Max. Elongation:

10% @ 1,800lb

Fig.2

No.4033

Deluxe™ 12 Strand

5/8" Polyolefin

Tensile Strength:

Min. 11,600lb

Max. Elongation:

4% @ 1,800lb

Fig.3

No.4083

Maxima™ 3 Strand

5/8" Co-polymer

Tensile Strength:

Min. 10,582lb

Max. Elongation:

10% @ 1,800lb

Fig.4

No.4027

Double-Braid

5/8" Nylon/Polyester

Tensile Strength:

Min. 11,260lb

Max. Elongation:

10% @ 1,800lb

A End
Snaphook

7

2

PID
Label

4

Lifeline
Strands

1

Limiter
Knot

5

B End
Adhesive
Shrink
Tube

6

Anchorage Connectors

Connect lifeline **A End** only to OSHA or ANSI compliant anchors specified for fall protection use.

Compatible Rope Grabs

Fig.5

No.4015 SuperGrab™***

7/16" Nylon/polyester.

Dual direction locking.

Captive do not remove.

Tensile strength 7,400lb.

Max. deceleration 12."

Fig.6

No.4015-V ValueGrab™***

7/16" Nylon/polyester.

Dual direction locking.

Captive do not remove.

Tensile strength 7,400lb.

Max. deceleration 12."

Lifeline A End

Locks
Both
Directions

Lifeline
B end

Lifeline
B-end

Fig.7

No.4015-M Integral Adjuster

Zinc plated steel.

Fits 5/8" d. synthetic rope.

Single direction locking.

Captive do not remove.

Breaking strength 3,600lb.

Max. deceleration 24."

Fig.8

No.4015-Z Fall Arrestor

Z=Zinc plated steel.

Fits 5/8" d. synthetic rope.

Single direction locking.

Removeable.

Breaking strength 3,600lb.

Max. deceleration 39."

Lifeline A End

Locks
One
Direction
Only

Lifeline B End

Limiter Knot

- 1) Use to gauge free fall length by adjusting position on the lifeline. See Length of Fall (LOF) pg 4.
- 2) Prevents rope grab from unintentional lifeline disengagement.

Warning! The limiter knot is required for use with SAS lifelines.

Fall Arrestor/Integral Adjuster

Compliance:

ANSI Z359.1-07/OSHA 1926.502

SuperGrab/ValueGrab

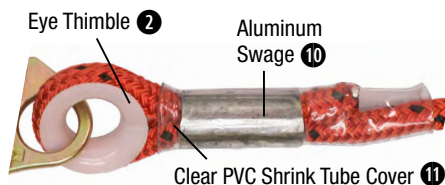
Compliance:

**Dept. of Labor compliance letter.

Fig.9

Aluminum Swage A End Termination

Aluminum sleeve min. strength 5,000lb



Storage/Maintenance/Modification

- Store in dry area only away from vermin
- Do not store wet in confined space
- Clean with compressed air or brush
- Do not alter original length or attach components mfg. by others