



# SUPER ANCHOR SAFETY®

## Max-Force™ Energy Absorbers (E/As) 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.

### Material Specifications

**Tear webbing:** Polyester  
**Cover/Backer:** Polyester  
**Min. Tensile Strength:** 5,000lb  
**Carabiners:** Aluminum twist-lock  
⊗ Inspection Points.  
**SAS** = Super Anchor Safety

### Absorber Compliance:

ANSI-Z359.13 / OSHA 1926.502  
**Connector Compliance:**  
ANSI-Z359.12-2009 CSA-Z259.12-11  
**Gate Strength:** 3,600lb (16kN)  
\*\*Qualified or Competent Person\*  
see OSHA definition.

**Energy Absorber (E/A) Function:** When subjected to a fall the E/As tear webbing shown at Fig.11, will deploy and gradually reduce the fall velocity to a complete stop (fall arrest). The backer webbing acts as a failsafe limiting the deployment length.

**WARNING!** Exceeding the specified user weight or falling more than 6ft may fail to arrest a fall, resulting in serious injury or death.

### Specified Use

Fall arrest, fall restraint or work positioning for one person including tools and equipment. User wt. specified in Table 1.0. E/As are required to be used with SAS mfg. OSHA and ANSI compliant PPE. Equipment mfg. by others must be ensured for compatibility by a qualified or competent person.\* **Maximum free fall 6ft.**

### Absorber A End Attachment

Attach absorber A End snaphook, carabiner or Dee-Loop to a full body harness dorsal D-ring only. See Fig.1. **WARNING!** Do not attach E/As to harness side D-rings or body belts.

### Absorber B End Attachment

Attach only to fall arresters, integral adjusters or lanyards.

**WARNING!** Do not attach to class 1 or class 2 SRLs unless specified by SRL instructions.

**Loop Ends** are fitted with PVC or web wear pads and are compatible with SAS snaphooks or carabiners.

### Carabiners Supplied by User

A/B loop end connectors must comply with current OSHA, ANSI or CSA fall protection standards with 3,600lb gate strengths. **Do not attach 2 connectors together unless compatibility has been ensured by a qualified or competent person.\***

Table 1.0 Energy Absorber Specifications

Standard	Webbing Color	User Wt. Range	Avg. Peak Force	Deployment Length
E/As	Gray	130-310lb	900lb	Max. 48"
6186-HD	Orange	200-340lb	1,300lb	Max. 69"

Table 1.1 E/A Specifications

ANSI	A End	B End	Length	wt(oz)
6180	Snaphook	Loop	23"	21
6181		Snaphook	28"	38
6182	Carabiner	D-ring	26"	30
6183/C**		Loop	23"	13
6184/C**	Snaphook	D-ring	26"	19
6186		D-ring	26"	33
6185	Loop	Loop	18"	8
6188	△Dielectric	SH+D-ring	26"	28

\*\* Captive carabiner factory attached.

Note: Loop ends require user to supply a connector.

△ Dielectric connectors have a min. 9kV dielectric resistance.

Note: Service length measured from A End to B End

### WARNING HAZARD EXPOSURE!

#### DO NOT CONTACT EQUIPMENT WITH:

- Sharp, abrasive edges or cutting tools.
- Electrical sources or power lines.
- Open flame, high heat or hot asphalt.
- Solvents, caulking, paint or stains.
- DO NOT use for animal tether.

Fig.1  
No.6181 E/A

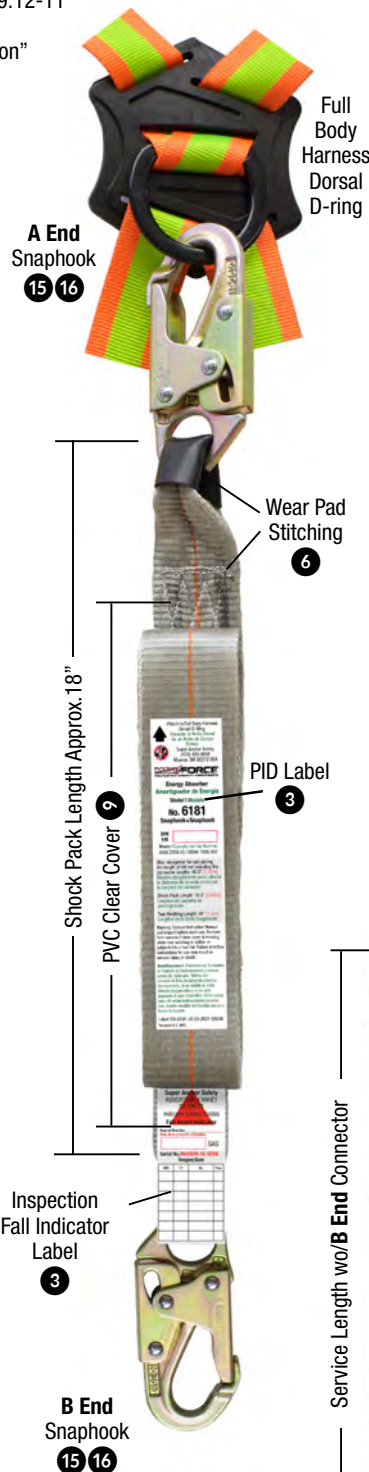


Fig.2  
Factory Attached  
A/B End Connectors



Fig.3

