SUPER ANCHOR SAFETY®

3 D-Ring Dielectric/Flame Resistant Full Body Harness (FBH)

Instruction/Specification manual 2017

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 Specification

Material: Modified Ester Amide 1-3/4(45mm)
Min. Tensile Strength: 6,000lb(27kN).
Hardware: ANSI Z359.1-07. Polymer coated 13kV resistance.
Buckles: Chest/Leg strap pass through. Shoulder strap friction buckles.
D-Rings: Min. Strength 5,000lb(22kN).
Model Type: Deluxe AF-6175 Padded frame. Pro AF-6176 Fig.1.
Stretch in a Fall: 12.0" Max. with proper adjustment.

Compliance

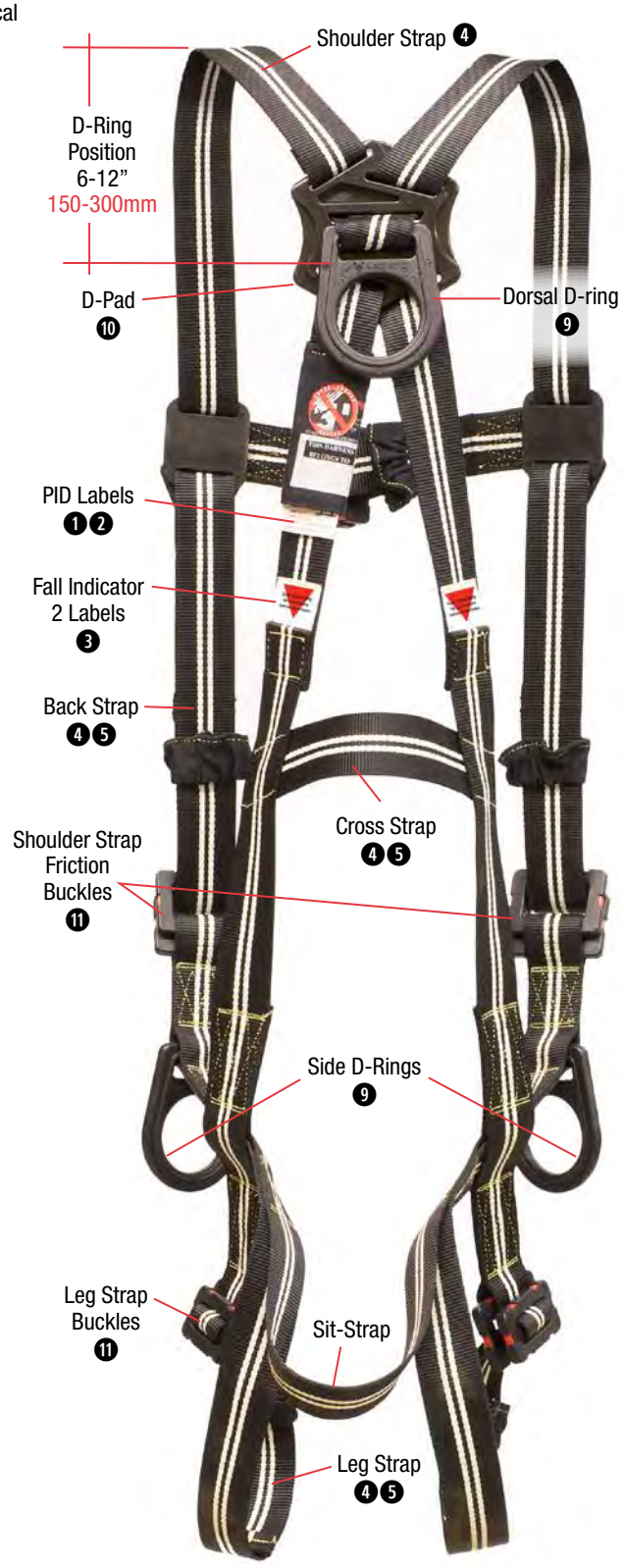
ANSI Z-359.11-14/OSHA 1926:502
Arc-Flash: Kinectrics Lab Inc. certified to pass ASTM F887-13 section 22.8.

Specification of Use

One person use for personal Fall Arrest or Work Positioning.
Max. User Wt: 340lb(154kg), including tools.
Dielectric Specification:
Flame resistant webbing w/electrical resistant D-rings and buckles.
Note: ***SAS*** used in this manual =Super Anchor Safety
⊗=Inspection Points from pg.2.

Fig.1

AF Pro 6176k 3-D Harness



Adjusting Harness for a Snug Fit

1) Don the harness to determine the dorsal D-ring position. Adjust D-ring 6-12" below the shoulders by sliding the webbing through the D-pad slots. See Fig.1.
2) Connect chest strap buckle and adjust the width so straps are aligned as shown at Fig.2. Adjust the height by moving the webbing through the slots in the chest strap adjusters. The chest strap should be about 12"(300mm) below the shoulders.
3) Connect and adjust leg straps for a snug fit.
4) Adjust harness length with shoulder strap adjuster buckles shown at Fig.5.

WARNING!
Failure to adjust the harness properly can result in falling out of the harness in the event of a free fall.

Connecting PPE to a Harness

For fall arrest, connect an energy absorber to the dorsal D-ring only. Attach a lifeline, lanyard or SRL (self retracting lifeline) to the opposite end of the energy absorber. For work positioning, connect lanyard or SRL to one of the side D-rings.

WARNINGS!

1) DO NOT attach lifeline directly to the Dorsal D-ring unless reverse rigged as specified in SAS Reverse Rigging Manual.
2) DO NOT attach lifeline, lanyard, absorber or SRL directly to the harness webbing.

Energy Absorber Required

For Fall Arrest use, an ANSI or CSA compliant energy absorber specified for the user's weight is required.
***SAS* mfg. Energy Absorbers**

Type / Model / Color Max.	User Wt.	MAF	Elongation	Compliance
E-4: I6061(k) Black	130-310lb(59-140kg)	900lb(4kN)	42"(1.06m)	ANSI Z359.1-07
E-6: IV6061 Orange	200-340lb(90-154kg)	1,300lb(6kN)	69"(1.75m)	CSA Z259.11-05

Service Life/Inspection Recommendations

Service life begins with first use and depends on the frequency of use, exposure to UV, welding sparks, steel grinding, and abrasive or corrosive construction materials such as gypsum, concrete dust, or sandblasting.

Type of Use	Inspection Frequency		Approx. Service Life
Daily use	Before each use.	△ 3-months	1-3 years
Moderate		△ 6 months	3-4 years
Light use		△ Annually	5 years

△= Inspected by a competent person.

Component Compatibility

SAS supplied PPE is ensured for "component compatibility" by following the instruction manuals for each type of equipment used. When used with components manufactured by others, compatibility must be ensured by a "Competent" person"*.
** See OSHA definition.*

Inspect Before Each Use!

TThe following inspection points are a guideline of common conditions that occur as a result of abuse, poor maintenance, service damage or long service life. SAS recommends equipment users to draft their own Inspection/Maintenance program and inspect before each use, and a minimum of once a year by a competent person. Record inspections on the harness Matrix label.

Remove equipment from service if any of the following conditions are present:

⊗= Inspection points **ACTION REQUIRED:** ☒=Remove ☑=SAS Factory Repair

WARNING! ANSI-CSA and OSHA require that a harness subjected to a free fall must be removed from service immediately and disposed of in a way that prevents further use. ☒

1. Has not been inspected annually. ☒ Check inspection label for data entry.
2. Warning labels missing or not legible. ☒
3. Fall Indicator label/s are missing. or warning is visible. ☒ See Figs.7-8
4. Webbing cut, abraded, damaged by heat or chemicals. ☒
5. Webbing stitches cut or loose. ☒ Inspect all box and cross stitches. Fig.3
6. Chest strap adjuster pad is missing or webbing slots are broken. ☒ Fig.3
7. Webbing end terminations damaged or missing. ☒ Fig. 5
8. Webbing keepers missing or damaged. ☒ ☑ May be replace with SAS supplied replacement keepers.
9. D-ring is deformed, cut, or polymer coating is worn and metal is exposed. ☒ Fig.6
10. D-Pad is cut, torn, or webbing slots are broken. ☒ Fig.2
11. Buckles are missing, cut, or polymer coating is worn and metal is exposed. ☒

Storage/Maintenance

Hang harness in dry area. Never store wet. Clean only with mild detergent, soft bristle brush or compressed air. Do not use bleach or corrosive cleaning materials.

DO NOT expose webbing to:

- Open flame
- High heat
- Sharp edges
- Cutting tools or grinders
- Acids, chemicals, solvents or petroleum

WARNING!
Storing wet will cause mildew, resulting in damage to webbing and stitching.

Fig.2

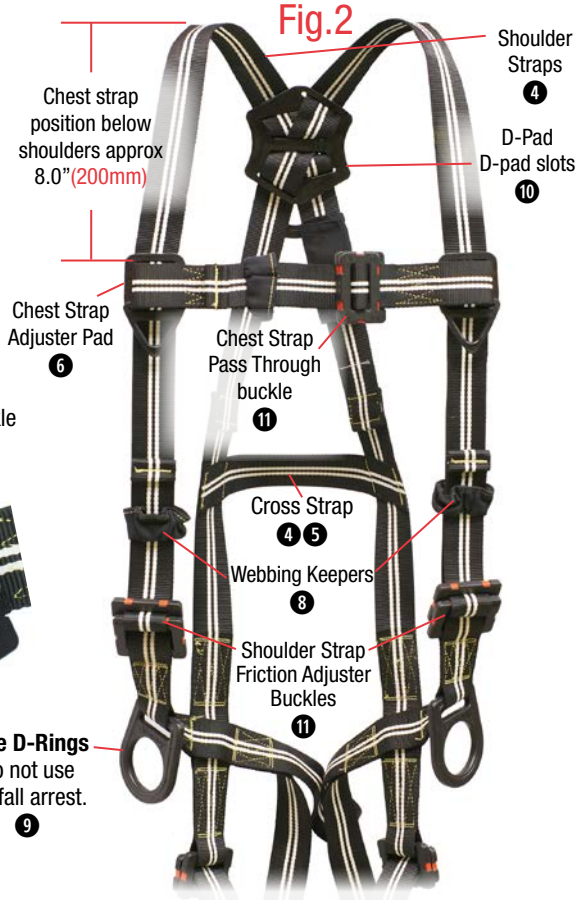


Fig.3 Pass Through Buckles

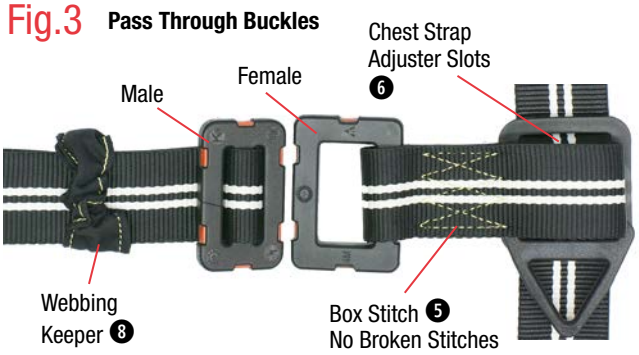


Fig.4

Insert male buckle through female buckle.

Fig.5

Fig.6

Polymer coated D-ring. Inspect all sides/ edges for exposed metal. 9

WARNING!
If D-ring or buckles have exposed metal remove from service.

Fig.7

Fall Indicator Label not deployed. Warning not visible.

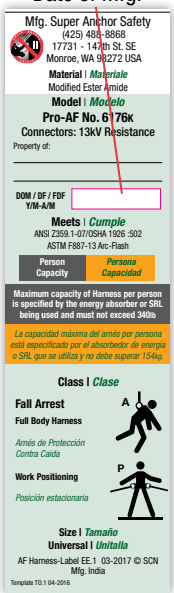
Fig.8

Fall Indicator deployed.3 Warning is visible.

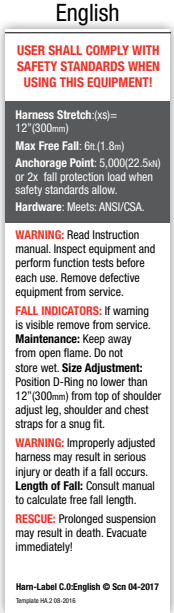
Remove harness from service.

Product I.D.(PID) and Inspection Labels

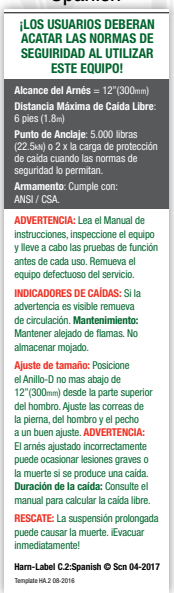
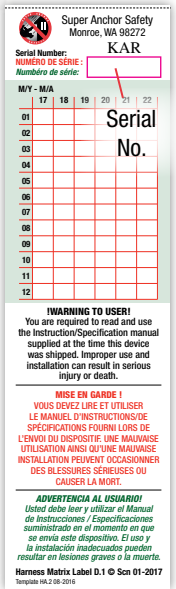
Harness Label
Date of mfg.



Instruction Label
English



Instruction Label
Spanish



Matrix Inspection Label 1