



SUPER ANCHOR SAFETY®

No.6174 Heat Resistant Harness Instruction/Specification Manual 2026

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: Aramid/polyester blend 1-3/4".

Max. Heat Range: 482°F

Min. Tensile Strength: 6,000lb.

Connectors/D-ring: ANSI certified min. 5,000lb tensile strength. 3,600lb proof load.

Buckles: Pass-thru chest/leg straps.

Finish: Zinc plating.

User Specifications: 1 person max. user wt. 310lb(140kg), including tools and equipment.

Specified Use

Heat resistant full body harness rated for fall arrest, fall restraint and work positioning. Designed for use in welding, metal grinding and cutting. Prolonged heat exposure 220°F.

Note: Surface damage to the webbing may occur when exposed to open flame, weld spatter or molten steel particles.

Adjusting Harness for a Snug Fit

- 1) Don the harness and adjust the D-ring position. With the help of another person, move the back-strap webbing through the slots in the D-pad to position the D-ring 6-12" below the shoulders. See Fig.2
- 2) Connect the chest strap buckle and adjust the width to fit. Position the chest strap approx. 8-12" below shoulder level by moving the webbing thru the chest strap adjuster/sliders.. See Figs.1 and 3.
- 3) Adjust leg straps for a snug fit.

Length of Fall / Harness Stretch

When subjected to a free fall, the maximum harness stretch is 14" and must be included when calculating the length of fall.

Warning! Failure to calculate the length of fall may result in striking a lower level or the ground below resulting in serious injury or death.

Lanyard Parks

Use for storing the opposite end of a fall protection lanyard connected to the harness dorsal D-ring when not in use. May be used for tool lanyards. Max. breakaway force 120lbs.

Energy Absorber

The use of an ANSI compliant personal energy absorber specified for the user's weight or an SRL/SRL-LE with an internal or external braking system is required.

Service Life/Inspection Recommendations

Service life depends on frequency of use, exposure to UV, and abrasive or corrosive construction materials such as gypsum and concrete dust.

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

△=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.*

*Competent Person Definition OSHA 1910.140

"one who is capable of identifying existing and predictable hazards in any personal fall protection system or any component of it, as well as in their application and uses with related equipment, and who has authorization to take prompt corrective action to eliminate the identified hazards"

Compliance

Fall Arrest/Fall Restraint.

ANSI Z-359.11-21 Type A / OSHA 1926.502

Note: SAS =Super Anchor Safety.

Heat Certification: ISO 150125:2016

SGS Report 06-30-2025

⊗=Inspection points see pg. 2.

**Competent or Qualified Person" see OSHA definition.

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

Fig.1
No.6174 Harness



Storage/Maintenance

Hang harnesses in dry area. Never store wet. Clean only with mild detergent, soft bristle brush or compressed air.

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

Annual and Daily Inspections:

Inspect all harness components prior to each use and inspect annually by a competent person.* A written plan for service, maintenance, removal from service and user training should be maintained for each harness. The following inspection points may be used as a guideline to inspect for normal wear, tear and abuse. Record inspections on the harness inspection label.

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

⊗ = Inspection points **ACTION REQUIRED:** ⊗=Remove ☑=SAS Factory Repair
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 PID labels missing or not legible. ⊗
- 3 Visual indicator label/s are missing or warning is visible. ⊗ Figs.4,5.
- 4 Webbing cut, abraded, damaged by heater chemical. Stitches cut or loose. Web-ends missing. ⊗ Figs.X,X
- 5 Chest strap adjuster/slider pad is missing or webbing slots are broken. ⊗ Fig.3
- 6 Webbing keepers missing or damaged. ⊗☑ May be replaced with SAS supplied elastic webbing keepers.
- 7 D-ring is deformed, cut or evidence of pitting or extreme rusting. ⊗
- 8 D-pad is cut, torn or webbing slots are broken. ⊗ Fig.4
- 9 Buckles do not lock, are missing, cut, deformed, pitted or extreme corrosion. ⊗ Surface rust or minor oxidation is normal.
- 10 Lanyard park is broken. May indicate a harness free fall. Inspect visual indicators. Remove from service if deployed. ⊗ Fig.4 Lanyard parks not required for fall protection.

Warning!

DO NOT allow webbing to contact:

- Open flame
- Sharp edges
- Electrical hazards
- Cutting/grinding tools
- Acids, solvents or petroleum

Fig.2

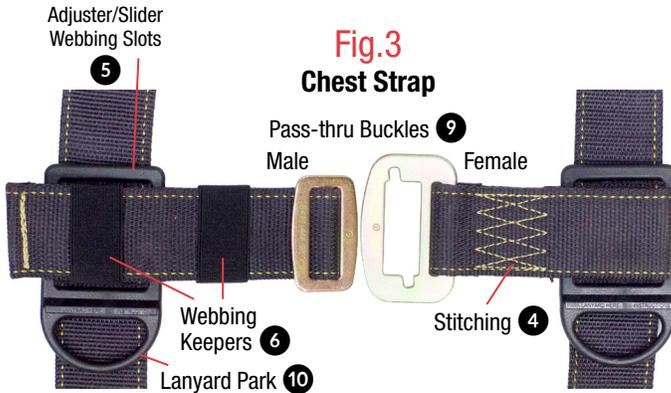


Fig.3

Chest Strap



Fig.4

D-Pad

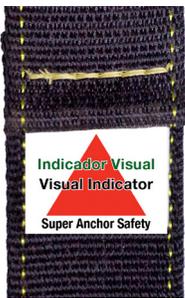


Fig.5

Webbing Damage

Visual (Fall) Indicator

Not Deployed



Deployed (3)
Warning is Visible



Remove From Service

Web-Ends (4)
DO NOT Remove



Fig.8
PID Labels
Label Pack
Opened



Product ID (PID) and Inspection Labels (1)

ANSI Z359.11-21

Primary Label

English

Spanish

Serial No.

Inspection

Super Anchor Safety
425-488-8868
Monroe, WA 98272 USA
PID/ANSI/Inspection Labels

ANSI Z359.11-2021
ANSI Z359 Recognizes the use of this harness only within the capacity range of 130-310 lbs.

Date of Mfg.

Super Anchor Safety
17731 - 147th St. SE
Monroe, WA 98272 USA

Fall Arrest™ Full Body Harness
Material:
60% Aramid 40% Polyester
Model | Modelo
6174 D-Ring
Heat Resistant

Property of:

DOM / Y/M

Person Capacity w/Tools and Equipment
Capacidad para una persona con herramientas y equipos
130-310lb

Compliance | Cumple
ANSI Z359.11-2021
OSHA 1926.502

Class | Clase
Fall Arrest
Full Body Harness
Arnés de Protección
Contra Caída

Size | Tamaño
 Small | Pequeño
 Medium | Mediano
 Large | Grande
 x-Large | x-Grande

Made in China

Performance Specifications:

WARNING! Using this harness for fall arrest requires the use of a personal energy absorber (E/A), or PPE with a max. arrest force of 1,800lb(8kN).

Harness Stretch:
14.0" (355mm)

Max. Free Fall: 6ft (1.8m) or as specified by the E/A being used.

Min/Max.User wt. Range
User weights over 310lb and not more than 420lb require an energy absorber rated for the users weight.

WARNING: Users are required to read the harness instruction manual prior to use.

Inspection: Inspect prior to each use and at least annually by a competent person.

Free Fall: If a fall indicator warning is visible remove from service.

Free Fall Rescue: Prompt rescue is required to prevent serious injury or death from suspension trauma.

Size Adjustment: Adjust webbing for a snug fit. Position dorsal D-ring approx. 12" (300mm) from shoulders.

Maintenance: Keep away from open flame and avoid sharp edges and electrical hazards. Store in a dry area.

Especificaciones de Funcionamiento:
¡ADVERTENCIA! El uso de este arnés para detención contra caídas, requiere el empleo de un amortiguador de energía personal (AE) o un equipo de protección personal con una fuerza de detención máxima de 1800lb(8kN).

Estiramiento del Arnés:
14.0" (355mm)

Caída Libre Máxima: 6ft (1.8m) o como sea especificado en el AE que se está empleando.

Rango de peso min./max. del usuario: Para usuarios con peso superior a 310lb y no mas de 420lb, requieren de un amortiguador de energía clasificado según el peso del usuario.

ADVERTENCIA: Los usuarios deben leer el manual de instrucciones del arnés antes de usarlo.

Inspección: Revisar los arneses antes de cada uso y al menos una vez al año por una persona competente.

Caída Libre: Si el indicador de caídas es visible, retirarlo del servicio.

Rescate en Caso de Caída Libre: Se debe iniciar el rescate inmediatamente para evitar heridas serias o la muerte debido al trauma por suspensión.

Ajuste del Tamaño: Ajuste las correas para un ajuste ceñido. Situar el anillo dorsal D aproximadamente 12" (300mm) desde los hombros.

Mantenimiento: manténgalo alejado de llamas expuestas y evite bordes filosos y peligros eléctricos. Guardarlo dentro de un área seca.

Super Anchor Safety
Made in China
GIG

Serial Number:
Número de Serie:

Date of First Use:
Date de la premiere utilisation

Inspection

MM	YY	By	Pass
Enter Date of First Use			

WARNING TO USER!
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MISE EN GARDE I VOUS DEVEZ LIRE ET UTILISER LE MANUEL D'INSTRUCTIONS/ SPECIFICATIONS FOURNI LORS DE L'ENVOI DU DISPOSITIF. UNE MAUVAISE UTILISATION ANS QU'UNE MAUVAISE INSTALLATION PEUENT OCCASIONNER DES BLESSURES SERIEUSES OU CAUSER LA MORT.

ADVERTENCIA AL USUARIO!
Listed below here y utilizar el Manual de Instrucciones / Especificaciones suministrado en el momento en que se envía este dispositivo. El uso y la instalación inadecuados pueden resultar en lesiones graves o la muerte.