



SUPER ANCHOR SAFETY

Flex Energy Absorber™ Lanyard 2015 Instruction/Specification Manual

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.

Specifications

Absorber: Polyester integral tear webbing.
Cover: Elastic polyester webbing.
Lanyard Width: 1.5" (75mm)
Compliance:
ANSI Z359.13-09/A10.32-12
OSHA 1926:502
Connector Compliance:
ANSI-Z359.12-2009 CSA-Z259.12-11
3,600lb (16kN) Gate Strength
Note to User: The term "2-Leg" is used by SAS to describe a Y-Lanyard.

Specification of Use

Fall Arrest or Work Positioning for one person with a maximum body weight of 310lb (140kg) including tools and equipment. Use with PPE (personal protective equipment) mfg. by SAS (Super Anchor Safety). When using equipment mfg. by others, component compatibility must be ensured by a competent person. **Required to be inspected before each use.**

Lanyard Fittings/Compatibility

Attach lanyard "A" end to a harness dorsal D-ring for fall arrest use or side D-ring for fall restraint/work positioning. The "B" ends are attached to an anchorage point that must be capable of supporting 5,000lb (23kN) or 2x the engineered fall protection load.

Table 1: Flex Lanyard Specifications

Model	Unit wt.	No. Legs	Fittings		Service Length	Tear Webbing Max. Elongation	Max Deployment	Max Peak Force
			"A" end	"B" end				
6501k	2lb 4oz	1	SH	SH	72" (1.8m)	48" (1.2m)	120" (3m)	900lb (4kN)
6502k	3lb 3oz		SH	RH				
6503k	4lb 1oz	2	SH	2)SH				
6504k	5lb 7oz		SH	2)RH				

SH=Snaphook RH=Rebar-hook

Elastic Webbing Static Length

Shown at Fig.1 the static length of the lanyard with no load applied is 52" (1.3m). The elastic webbing length will flex approx. 20" (51cm) to a maximum service length of 72" (1.8m). Force applied during normal use will increase the lanyards length. If the lanyard does not retract to the static length with no load applied, immediately remove from service.

Free Fall Event

The internal tear webbing maximum elongation is 48" (1.2m). The flex cover webbing limits the deployment length to 120" (3m). See Fig.5c. **WARNING!** Exceeding the max. free fall or max. user weight may result in a failure to arrest a fall.

Product I.D./Warning Labels

Primary	Serial/Matrix	Fall Indicator	ANSI 6ft FF
<p>"A" End Connect to harness dorsal D-ring. Conecte al Anillo (D-ring) del arnés.</p> <p>Super Anchor Safety Woodinville, WA 98072</p> <p>MAX FORCE POLYESTER ENERGY ABSORBERS</p> <p>Model: 6501k Modèle: 6501k</p> <p>Flex Lanyard Energy Absorber Single Leg Type SH-SH Acollador Amortiguador Tipo de Una Sola Pierna.</p> <p>Material: Polyester</p> <p>Meets 1 Cumples ANSI Z359.13-09 / A 10.32-04 OSHA 1926-503</p> <p>Service Length: Longitud de Servicio: 72" 1.8m</p> <p>Tear Webbing max. Deployment Length: 48" Máximo Desgarre del Tejido Longitud de Despliegue: 1.2m</p> <p>Lanyard max. Elongation Elongación Máxima de 120" 3m</p> <p>WARNINGS! Follow manufacturer's instructions shipped with this device at time of purchase. Improper use can result in serious injury or death. Avoid high heat, open flame, sharp edges, abrasive surfaces, cutting tools, solvents and acids. Make only compatible connections and attach to anchorage devices that comply with instructions.</p> <p>*Lanyard Unused Leg: Prevent tripping hazard and entanglement with other lanyard leg. Store by connecting to harness side or dorsal D-ring.</p> <p>Absorber Label EE-1 ©SCN 05-2015 mfg. India</p>	<p>DOM Y/M</p> <p>KAR</p> <p>Serial Number: Numero de serie:</p> <p>Date of mfg. Serial No.</p> <p>Connector Gate 3,600lb (16kN)</p> <p>!ADVERTENCIAS! Siga las instrucciones de la fábrica enviadas con este dispositivo en el momento de compra. El uso incorrecto puede provocar lesiones graves o la muerte. Evite el alto calor, llama abierta, bordes cortantes, superficies abrasivas, herramientas de corte, disolventes y ácidos. Haga solamente conexiones compatibles y sujete a dispositivos de anclaje que cumplan con instrucciones.</p> <p>Acollador: Y Pierna no Utilizada: Se previenen los riesgos de tropiezos y entredo con la otra pierna del acollador. Se guarda conectando el lado dorsal al anillo (D-ring).</p> <p>Absorber Matrix A.S. ©SCN 04-2015</p>	<p>Fall Arrest Indicator Indicador Contra Caidas.</p> <p>WARNING! ADVERTENCIA!</p> <p>This lanyard has been subjected to a fall. Remove from service. DO NOT USE! Este acollador ha sido sometido a una caída. Remueva de servicio. ¡NO USAR!</p>	<p>"B" end Connect to Anchorage.</p> <p>Warning: Maximum user Weight 130-310lbs 6ft 900lbs 1.8m 4kN</p> <p>Maximum Free Fall Average Arresting Force Forces may increase when cold and/or wet Read Instructions Before Use. Absorber ANSI Label BB.2 ©SCN 04-2015</p> <p>Lea las instrucciones antes de usar.</p> <p>Advertencia: Peso Máximo del usuario: 59-140kg Cada Lado Máximo Fuerza de Frenación en frío y/o mojado. Las fuerzas pueden aumentar</p>

Country of Origin

Fig.1

Fig.2

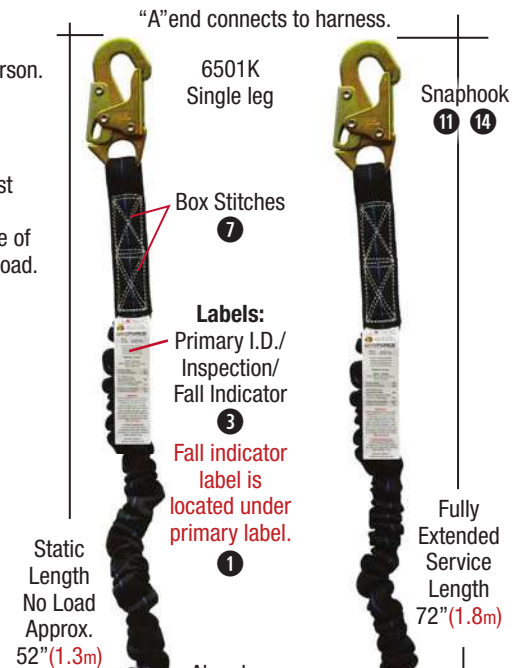


Fig.3

2-Leg Lanyard No. 6503k



Fig.4

Re-bar hook No. 6503k 6504k

Inspect Before Each Use!

Prior to each use, inspect and perform snaphook/rebar hook tests. Annual inspections should be done once a year by a competent person and recorded on the inspection label. See Fig.1

Storage/Maintenance/Service Life

Wet lanyards should be stored in a clean dry place. **Repair: DO NOT** repair or modify lanyards or connectors. Service life is based on frequency of use, and environmental conditions. A plan for removing equipment from service should be determined by a competent person or safety consultant.

WARNING! Synthetic fibers are damaged by mildew, extreme temperatures, extended exposure to UV, salt water, bleach, cleaning agents and vermin.

WARNING HAZARD EXPOSURE DO NOT CONTACT Lanyard with:

- Sharp or abrasive edges or cutting tools.
- Electrical sources or power lines.
- Open flame, high heat or hot asphalt.

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

① = Inspection points **ACTION REQUIRED:** ☒=Remove ☑=Repair

- ① Subjected to a free fall or other force. ☒
- ② Obvious damage to any component. ☒
- ③ Warning labels missing or not legible. ☒
- ④ Has not been inspected annually. ☒
- ⑤ Fails to pass inspection/function tests. ☒
- ⑥ Paint, caulk, asphalt, connector rust, petroleum or chemical contamination. ☒
- ⑦ Webbing, cross stitches or box stitches are cut, abraded, heat damaged or evidence of chemical contamination. ☒

Energy Absorber/Flex Webbing

- ⑧ Fall indicator's "Remove From Service" warning label is visible or missing. ☒
- ⑨ If any tear webbing deployment is evident remove from service. See Fig.5b
- ⑩ Webbing end laps/cross stitching are separating. ☒

Snaphooks/Rebar hooks

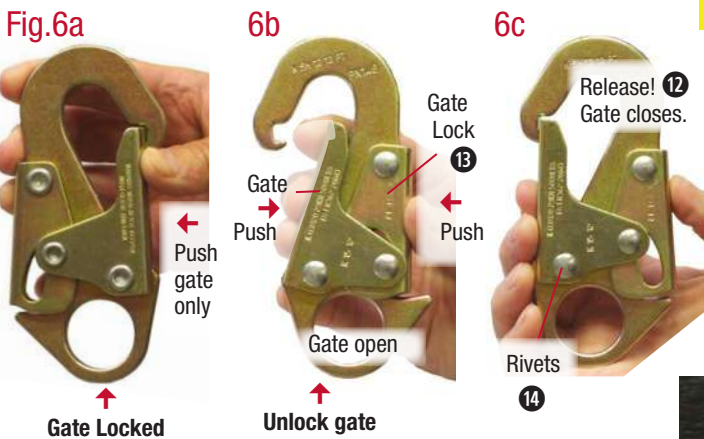
- ⑪ Obvious damage/missing rivets. ☒
- ⑫ Gate locking device is damaged. ☒
- ⑬ Gate is bent or won't close. ☒
- ⑭ Any of 3 rivets are missing. ☒

ADVISORY ! Dispose of equipment removed from service so as to prevent further use.

Connectors

Gates are designed to remain closed during use and are fitted with gate locks to prevent accidental disengagement.

Snaphook or Rebar Hook



Function Tests

Test rope grabs and connectors before each use. Remove equipment from service if any function test fails.

Fig.	Test Type	Function	Pass ☑	Fail ☒
6a	Gate-lock	Push against gate only	Won't open	Opens
6b	Gate-open	Push gate-lock and gate at the same time	Opens	Won't open
6c	Gate-close	Release gate and gate-lock at same time	Snaps shut	Won't close and lock

Non-Specified Use DO NOT:

- Wrap or tie lanyards around or to anchorage points, steel or wood framing.
- Use for hoisting, towing or animal tether.
- Link 2 lanyards together.

Fig.5a

Cover webbing will be bunched together in the static position. See Fig.1.



5b

Subjected to a fall or other force the warning label is visible. Remove from service. ⑧



5c



Maximum Deployed Length 120"(3m)

Note: When subjected to a free fall or other force the deployment length may be less than the maximum.

Fall Indicators

Each lanyard leg has a factory attached fall indicator label, do not remove. Normal use condition is shown at Fig.5a. Free fall condition is shown at Fig.5b. Elastic webbing will appear flat. In the event of a fall, the warning labels will become visible as shown at Fig.5b.

WARNING! The unused leg of a single or double leg lanyard must be secured to the harness to prevent entanglement and tripping hazards.

Fig.8

Unused leg stored by attaching to side D-ring. SAS Deluxe model harness.

Fig.7

Unused leg stored by attaching to back side shoulder strap. SAS No. 6001 harness shown.

