



SUPER ANCHOR SAFETY®

2D- Work Positioning Lanyard

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.

Lanyard Specification

3/16" (4.7mm) 7x19 Galv. Wire
 Min. Tensile: 4,200lb (19kN)

Compliance: ANSI Z359.1-07
 OSHA 1926:502

Swage: Aluminum duplex
 Min. strength: 4,000lb (18kN)

Max User Wt: 340lb (154kg)

Connector Compliance
 ANSI-Z359.12-09 CSA-Z259.12-11
 3,600lb (16kN) gate strength

Specification of Use

The 2D-Lanyard is specified for use as a Fall Restraint or Work Positioning device only. Do not use for Fall Arrest, vertical suspension, window washing or rescue. Use of this device requires the rigging of a compatible component system that guards the worker from free fall hazards.

Personal Protective Equipment (PPE)

OSHA, ANSI or CSA compliant Fall protection equipment including a Full Body Harness (FBH) is required for use with the 2D-Lanyard. PPE mfg. by others must be ensured for compatibility by a qualified or competent person. Component compatibility is ensured using PPE equipment mfg. by Super Anchor Safety (SAS) as specified below and connectors in Table 1. Rigging example Fig.6.

- Deluxe, Ultra-Viz, ,3-D, 6067K or other side D-ring manufactured by SAS FBH
- Any SAS model lifeline or SRL
- 4015 Super Grab
- 4015-V Value Grab
- 4015-M Integral Rope Grab
- 4015-C ADP Fall Arrestor
- 4015-Z ADP Fall Arrestor
- Any SAS connecting lanyard

Fig.2

No. 6515



Fig.3

No. 6515-CA



Fig.4

No. 6515-CS



Fig.5

No. 6515-SH



Fig.6

SAS Rigging System

Full Body Harness No. 6067K



FREE FALL HAZARD WARNING!

Serious injury or death can result if you free fall while attached to the side D-rings of your harness. Always maintain a safe distance from leading edges, gable edges, and openings in the work surface. Users should be trained by a qualified or competent person before using this device.

Fig.1

2D-Lanyard

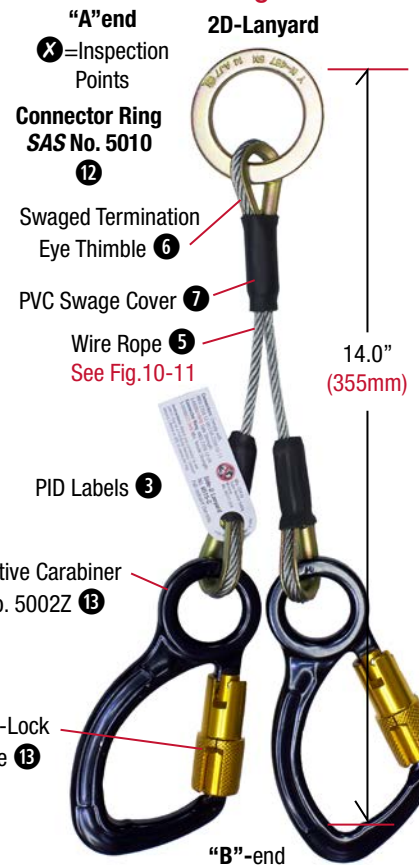


Table 1:

| Lanyard No. | Connector No. | Type | Wt. | Fig. |
|-------------|-----------------|--------------------------------------|------|------|
| 6515 | ▲ User supplies | | 9oz | 2 |
| 6515-C | SAS No.5002Z | Captive Auto-lock Aluminum carabiner | 17oz | 1 |
| 6515-CA | SAS No.5006Z | Auto-Lock Aluminum Carabiner | 17oz | 3 |
| 6515-CS | SAS No.5001Z | Auto-Lock Steel Carabiner | 25oz | 4 |
| 6515-SH | SAS No. 5005Z | Double Locking Steel Snaphook | 33oz | 5 |
| 6515 DLX | SAS No.5006Z | Deluxe 2D-Lanyard w/Super Grab | 33oz | 7 |

Attachment Instructions: Connect the "B" ends of the lanyard to the side D-ring of a Full Body Harness as shown in Fig.6. ▲ Attach the connector ring to a rope grab device with a locking type Carabiner or Shaphook that is certified for 3,600lb (16kN) gate strength.

PID Labels

Connectors: Comply with ANSI Z359.12-09 CSA Z259.12-11 3,600lb (18kN) Gate Strength.
 Connector Ring: ANSI Z359.12-09 5,000lb (22.5kN) Min. Tensile Strength.

Instructions: Attach one connector to one side D-ring on a Full Body Harness. Connect lanyard, Lifeline or SRL to connector ring.

Mfg. USA by Super Anchor Safety
 Monroe, Wa. 98272 USA

Side-D Lanyard No. 6515-CS
 Fall restraint Use only.

Primary Label: Lanyard part no.

Auxiliary Label: Warning/Specifications

!WARNING TO USER!

You are required to read and use the Instruction/Specification manual at the time this device was shipped. Improper use and installation can result in serious injury or death. Inspection: Connectors and wire rope for Cuts and deformation. Perform connector function tests prior to each use. Remove From Service: If evidence of damage.

Material:
 3/16" 7x19 Galv Wire Rope
 Min. Tensile Strength 4,200lb
 Max. User Wt. 340lb (154kN)
 Work Positioning Use Only
 DO NOT USE FOR FALL ARREST.

Fig.7



Inspect Before Each Use!

Prior to each use, inspect lanyard and perform function tests for connectors. Annual inspections should be done at least once a year by a qualified or competent person and recorded on the matrix labels for all equipment. A record of inspections, repair, and removal of equipment from service should be maintained for all equipment. The following inspection points are a guideline of common conditions that occur as a result of abuse, poor maintenance or long service life.

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

Fig.8a Snaphook



Gate Locked

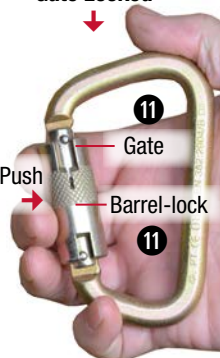


Fig.9a

Fig.8b



Un-lock gate



Fig.9b

Fig.8c



Gate open

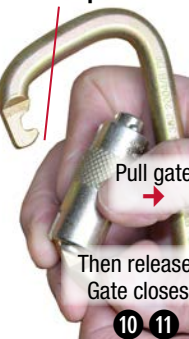


Fig.9c

All SAS Model Auto-Lock Carabiners

Super Grab™ Specifications/Instructions For 2D-Lanyard Deluxe Kit No. 6515-DLX

Super Grab No.4015

U.S. Patent 6,712,181 B2
Rope: 7/16" (11mm) Blue Nylon/Poly
Avg. Tensile: 7,400lb (34kN)
Strength Rating: 5,000lb (23kN)
Use For: 5/8" (16mm) diam. rope.
Super Grab Cover: Red PVC
Compliance: OSHA 1926:502
 U.S. Dept Labor letter 03/20/95.
 Certified by a member of l'Ordre
 des ingénieurs du Québec.
 Meets Safety Code for use in Québec.



Fig.12

Specification of Use

Single person max. user wt. 340lb (154kg) including tools and equipment. Bi-directional locking function. PVC cover provides a visual fall indicator. If subjected to a free fall or other force the cover will fracture. Compatible with all SAS synthetic lifelines.

Inspection: Prior to each use inspect for missing fasteners, rope abrasion and PVC cover for damage.

Instructions: Follow instructions for the SAS lifeline system you are using. For other mfg., compatibility must be ensured by a qualified or competent person.

Storage/Maintenance/Service Life

Galvanized wire rope and connectors are subject to oxidation when exposed to moisture and salt air for prolonged periods. Always store in a warm, dry area. Clean the lanyard with low-pressure air or water. DO NOT USE any type of acid, chemicals or corrosive cleaning agents. Service life is based on frequency of use, environmental conditions and normal wear and tear.

Service life begins at time of first use.

Function Tests

Test Snaphooks and Carabiners before each use.

Remove equipment from service if any function tests fails.

| Fig. | Test Type | Function | Pass <input checked="" type="checkbox"/> | Fail <input checked="" type="checkbox"/> |
|-------|--------------|--|--|--|
| 8a-9a | Gate-lock | Push against gate only | Won't open | Opens |
| 8b | Gate-open | Push gate-lock and gate at the same time | Opens | Gate won't open |
| 8c | Gate-close | Release gate and gate-lock at same time | Snaps shut | Won't close and lock |
| 9b-9c | Un-lock gate | Rotate barrel lock | Gate opens | Won't open |
| 9a | Gate closes | Release gate/barrel | Snaps shut | Won't close |

Remove equipment from service if any of the following conditions are present and dispose of in a way that prevents further use.

⊗=Inspection Points **ACTION REQUIRED:** ⊗=Remove.

- ⊗ 1 Subjected to a free fall or other force. ⊗
 - ⊗ 2 Obvious damage to any component. ⊗
 - ⊗ 3 If warning labels are missing or not legible, maintain a copy of this manual in the user's inspection file. ⊗
 - ⊗ 4 Has not been inspected annually. ⊗
- Connectors**
- ⊗ 8 Connector/s are missing. ⊗
 - ⊗ 9 Obvious damaged/missing rivets. ⊗
 - ⊗ 10 Gate locking device is damaged. ⊗
 - ⊗ 11 Gate won't open or close. ⊗
 - ⊗ 12 Connector ring is bent, cut or deformed. ⊗
 - ⊗ 13 Fails function tests. ⊗

Wire Rope

- ⊗ 5 Strands are cut or hooked. ⊗ Fig.11
- ⊗ 6 Thimble missing, broken, deformed. ⊗
- ⊗ 7 Swage damaged, cracked or loose.
- ⊗ 7 PVC swage cover is missing. Remove from service at users discretion

Super Grab

- ⊗ 14 PVC cover is missing, cracked or cover screws are missing. ⊗
- ⊗ 15 Grab knot has fewer than 6 wraps. Re-tie grab knot. See Fig.12
- ⊗ 16 Won't hold position on lifeline when a force is applied. ⊗
- ⊗ 17 Locked onto lifeline or won't move position easily. Loosen grab knots to restore mobility. If no change. ⊗

WARNING! Swage covers provide protection from puncture injuries that can be caused from wire rope terminations. Fig.10



PVC Swage Cover is missing. Swage Termination is visible.

Fig.11



Do not use lanyards with burs, cuts or gouges.