# SUPER ANCHOR SAFETY®

# SAS-*Hinge-2*™ No. 3013-D/3013-S

## Adjustable Temporary Roof Anchor 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.

### Specification of Use:
One person use for Personal Fall Arrest/ Fall Restraint including tools and equipment.
**Max. User Wt:** 310lb(140kg)
**Max. Free Fall:** 6ft(1.8m)
Temporary anchor only. Remove after use.
**Horizontal Lifelines:** Requires to be engineered by a "competent" or "qualified"* person. See Hinge-2 No.1321 HLL manual. *OSHA definition.

### Anchor Specifications:
**Min. Tensile Strength:** 5,000lb(22.5kN).
**Material Specification:**
**Hinge-2 No.3013-D**
11ga.steel w/forged D-ring Dacromet coated.
**Hinge-2 No.3013-S**
11ga.430sst w/304sst forged D-ring.

### Personal Protective Equipment (PPE)
Required to use an OSHA, ANSI or CSA compliant personal energy absorber with a max. arrest force of 1,800lb

### Non-Specified Use
Do not use for window washing anchorage, work positioning ,or scaffolding tie-off. Do not use for HLL when attached with nails.

### Self Retracting Lifelines (SRL)
May be used to anchor an SRL with WS 3.0 hex head screws. See Fig.4b/5b

### Compliance:
ANSI Z359.18-17 Type A
OSHA1926.502
✗ = Inspection references.
***SAS*** = Super Anchor Safety

### Slope Specification
Max. slope 24/12 with WS 3" wood screws.
Max slope w/16d nails and #12 wood screws is 12/12.

### Connectors
Snaphooks and carabiners must have 3,600lb(16kN) gate strengths and comply with current
ANSI/CSA standards.

### Direction of Load
**Fall Arrest:** Max. degree of angle off vertical center is 30°as shown at Fig.6.
**Fall Restraint:** 360° and not subject to a free fall

### Framing Strength Requirement
The wood structure to which an anchorage device is attached must be capable of sustaining *2 times the intended fall protection load or 5,000lb without engineering. Min. 2x4 top chord with min. 7/16" OSB sheathing.
WARNING! Do not attach directly to a top chord without sheathing installed.

Fig.1

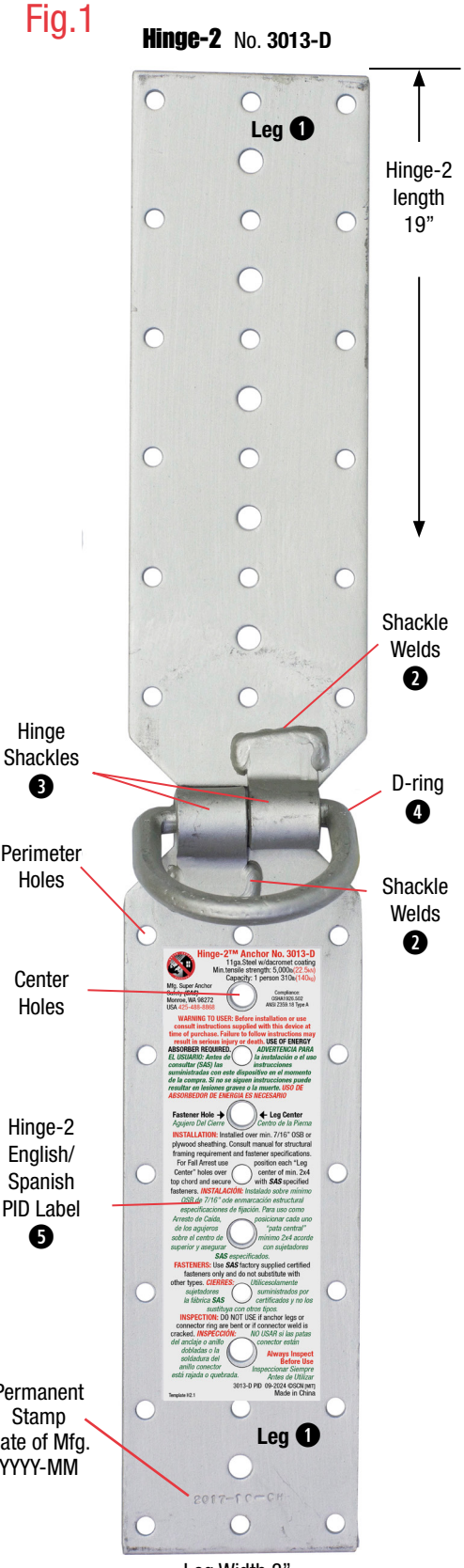



Fig.3

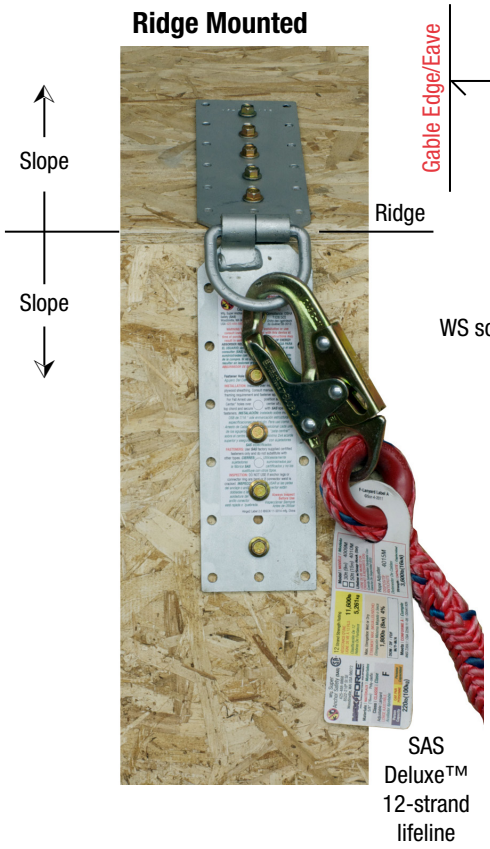
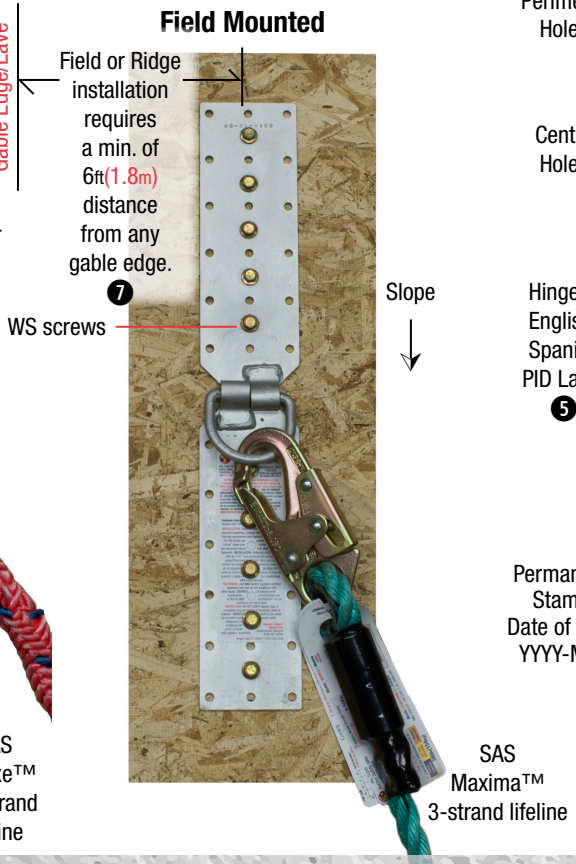



Fig.2



## Fastening Specifications

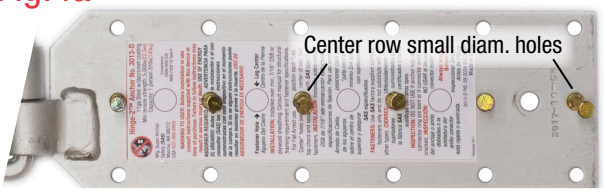
Table1 and Figs.4 specify the required number and type of fasteners for each anchor leg. WARNING! Use only SAS supplied fasteners.DO NOT substitute with other types.
**Torque Setting: WARNING!** Do not overtighten screws to prevent damage to the fasteners. Flush mount screws to anchor leg surface with the minimum torque necessary.

**Table 1: Fastener Specifications/Strength Rating**

| See Fig. | Fastener Type | No. Required Each Leg | Total Fasteners | Strength Rating |
|---|---|---|---|---|
| 4a | ▲ 16d Duplex Nail | 6 | 12 | 5,000lb |
| 4b | ▲WS 3" Screw | 5 | 10 | |

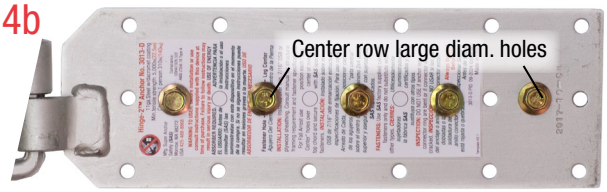
▲*Do not reuse fasteners.*

Fig.4a



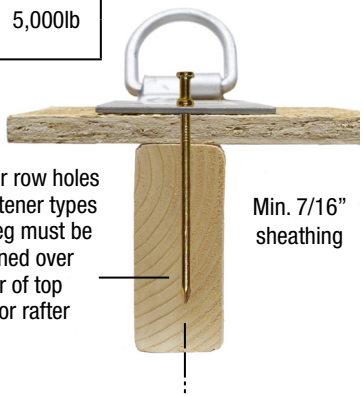

12-16d Duplex Nails: 6 each leg center row. Use small diam. holes only

4b




10-WS 3" Hex Head screws: 5 each leg Use large diameter holes only

Fig.5a

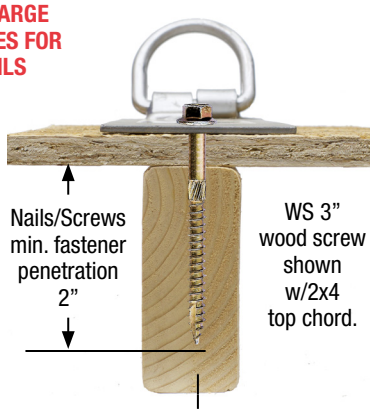


Use center row holes for all fastener types Anchor leg must be positioned over center of top chord or rafter

Min. 7/16" sheathing

**WARNING! DO NOT USE LARGE FASTENER HOLES FOR DUPLEX NAILS**

5b



Nails/Screws min. fastener penetration 2"

WS 3" wood screw shown w/2x4 top chord.

Center Top Chord

## Fastener Penetration

Fasteners must penetrate into the top chord a min of 2" as shown at Fig.5b. For thicker substrates remove materials from the substrate or use longer screws.
WS screw max. length 3.5"
Use Head Lok screws if longer lengths are required.

5c

**WARNING! Fastener Blow Out. DO NOT USE ANCHOR!** ❻

Center Top Chord

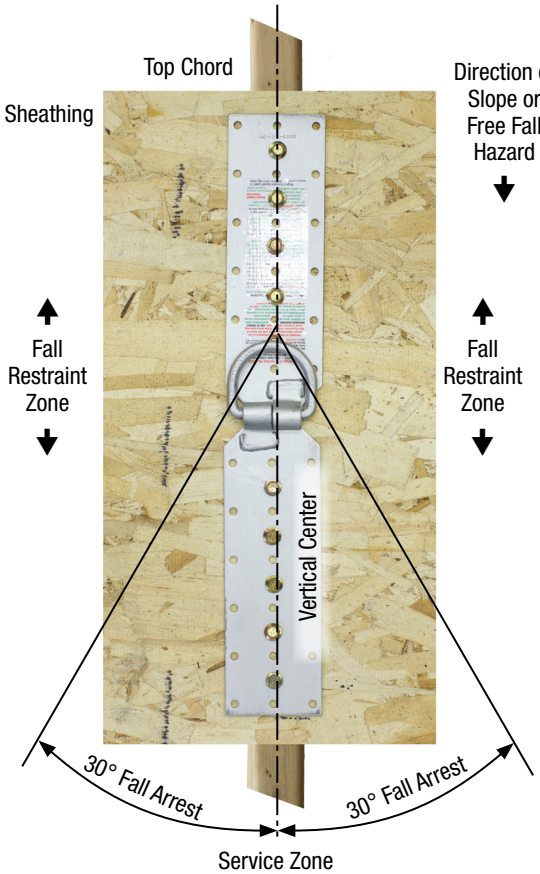
## Fastener Inspection

After installation and prior to each use, inspect the framing underside at the anchor location. If blow outs are visible remove the anchor and re-install at least 6" away from the original installation.

Fig.6

## Service Zones

**Fall Arrest:** Max. angle to right or left off vertical center 30°.
**Fall Restraint:** 360° with no free fall hazard exposure.




**Replacement Fastener Packs**

| Fastener Type | Part No. | No. Pcs. | Driver No. |
|---|---|---|---|
| 16d Duplex | 2012-A | 36 | Hammer |
| WS 3" | 2084-3.0 | 25 | 3/8" Hex |

## Vertical Walls

Require installation with WS screws only. Do not use nails.

**Inspect before each use. Remove from service if subjected to a free fall or if any of the following conditions are present:**

**ACTION REQUIRED:** ☒=Remove ☑=Repair

**Hinge-2 Anchor Fig.1**

❶ Legs are cut, bent or deformed. ☒
❷ Hinge shackle welds are cracked. ☒
❸ Shackles are deformed. ☒
❹ D-ring is cut or deformed. ☒
❺ PID labels are missing or not legible. ☑ Request replacement labels.

**Framing**

❻ Check underside of framing for fastener blow outs. Fig.5c ☒
☑ Re-install fasteners per Fig.5a-5b.

**Rigging Fig.3**

❼ Anchors are installed less than 6ft(1.8m) from gable ends. ☑ Move anchor location.

ADVISORY ! All equipment removed from service should be tagged and disposed of in a way that prevents further use.