



SUPER ANCHOR SAFETY®

SAS-Hinge™ No.3006 Anchor Temporary Installation Only Instruction/Specification Manual 2022

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 System (PFAS) including tools.

Max. User Wt: 340lb(154kg)

Not intended for permanent installation.

Horizontal Lifelines: May be used when engineered by a qualified person. See Hinge HLLS manuals.

Anchor Specifications

Min. Tensile Strength: 5,000lb(22.5kN).

Material Specification:

11ga. steel yellow zinc or Dacromet plated.

Personal Protective Equipment (PPE)

The use of an ANSI or CSA compliant PPE and a personal energy absorber is required for use with the Hinge 3006 anchor.

Non-Specified Use

Do not use for window washing anchorage, suspended work or scaffolding tie-off.

Self Retracting Lifelines (SRL)

May be used to anchor an SRL with use of #12 hex head screws. See Fig.4c.

Compliance: OSHA1926.502/1910.66

ANSI Z359.1-07/ANSI A10.32-2012

Certified by a member of
l'Ordre des ingénieurs du Québec.

Meets Safety Code for use in Québec.

Slope Specification

Max. slope 20/12(55°) angle use: #12 wood screws.

Max. slope 12/12: use 16d nails.

Connectors

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

Fall Hazard Exposure

PPE must be rigged as follows:

Fall Arrest use: Max. free fall 6ft(1.8m).

Fall Restraint use: No free fall exposure.

Note: The use of a job specific fall protection plan (JSP) is recommended.

Direction of Load

Fall protection loads may be applied to the Hinge anchor D-ring in any direction only when a personal energy absorber is part of the users PPE. Free falls must be no greater than 6ft(1.8m).

Fig.1

Hinge No.3006

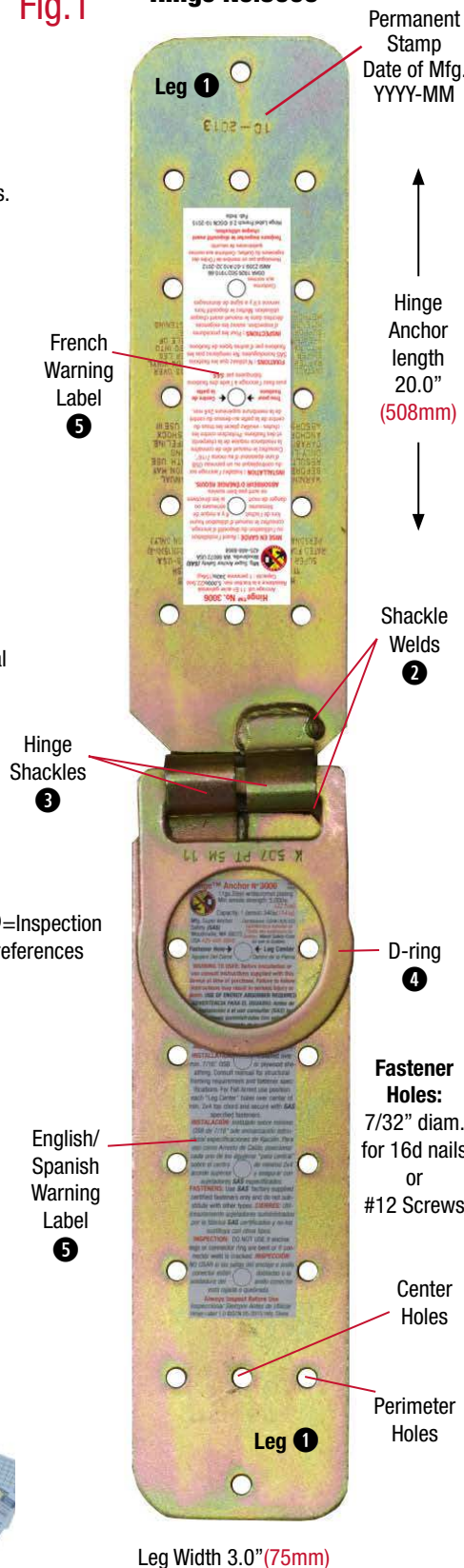


Fig.3

Ridge Mounted

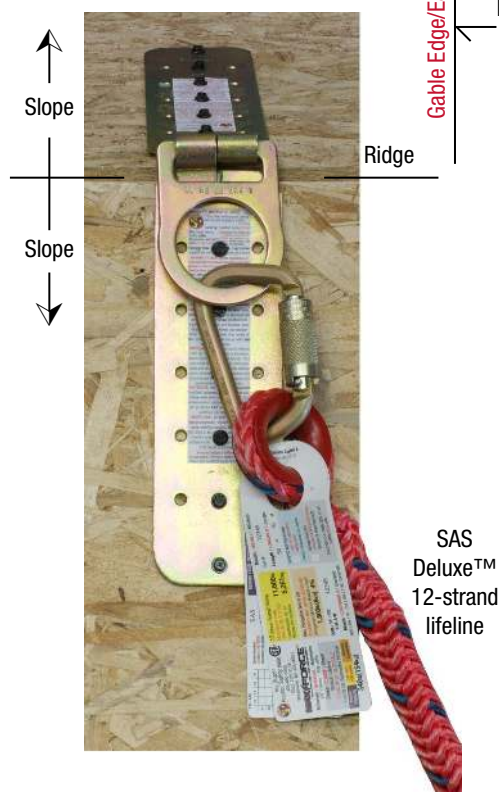
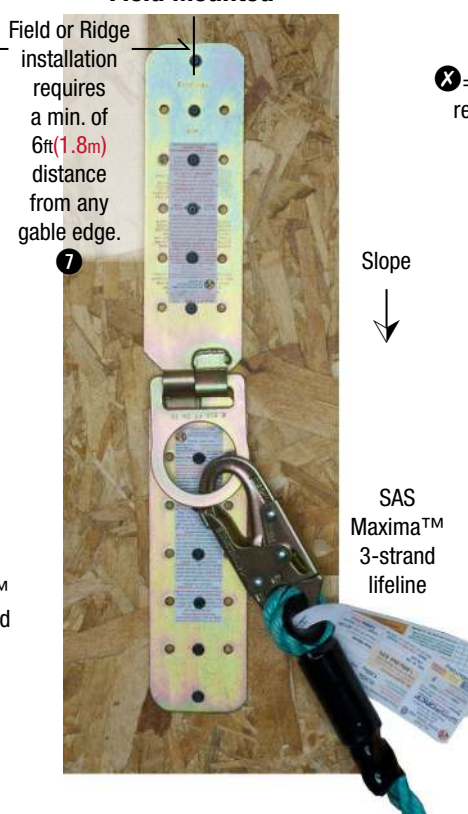


Fig.2

Field Mounted



Fastening Specifications

Shown at Figs.4a, 4b, 4c, 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

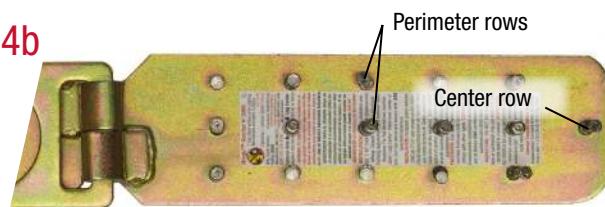
See Fig.	Fastener Type	No. Required Each Leg	Total Fasteners	Attached to		Strength Rating	No. Persons	
				Top Chord	Sheathing		Fall Arrest/Fall Restraint	
4a	▲ 16d Duplex Nail	6	12	12	None	3,600lb	N/A	1
4b	▲ 16d Duplex Nail	16	32	12	24	5,000lb (22.5kN)	1	
4c	▲ #12 2-7/8" Screw	6	12	12	None			

▲ Do not reuse fasteners.

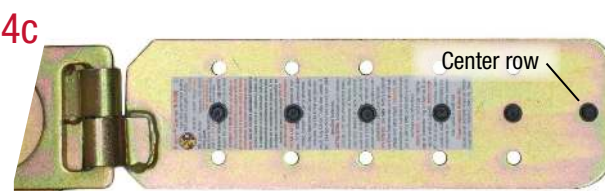
Fig.4a



4b



4c



12-16d Duplex Nails:
6 each leg center row
as shown
at Fig.5a



32-16d Duplex Nails:
16 each leg
12 center row top chord
24 perimeter row
through sheathing
as shown at Fig.5b



12-#12 x2-7/8"
Hex Head screws:
6 each leg
center row as
shown at Fig.5c

Fig.5a

Min. 7/16"
sheathing
shown w/2x4
top chord

Center row
nails/screws must
align with top
chord center

Nails/Screws
min. fastener
penetration
2.0"

5b

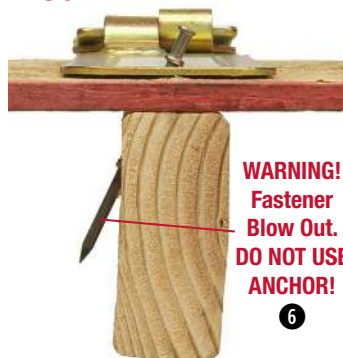
Duplex perimeter
nails will penetrate
sheathing

Center of
Top Chord

5c

Center row
screws align
w/top chord
center

5d



WARNING!
Fastener
Blow Out.
DO NOT USE
ANCHOR!

6

Replacement Bulk Packs

Fastener Type	Part No.	No. Pcs.	Driver No.
16d Duplex	2012-A	36	Hammer
#12x2-7/8" hex	2009	36	1/4" Hex No.2010

WARNING! Fastener Blow Out. Shown at Fig.5d, incorrect fastener installation for center row attached nails or screws. Strength rating will be reduced. After installation and prior to each use, inspect the underside of sheathing at the anchor location. If blow outs are visible, remove the anchor and re-install at least 6.0" away from the original installation.

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-3006 Anchor Fig.1

- 1 Legs are cut, bent or deformed. ☒
- 2 Hinge shackle welds are cracked. ☒
- 3 Shackles are deformed. ☒
- 4 D-ring is cut or deformed. ☒
- 5 Warning labels are missing or not legible. ☑

Request replacement labels.

Framing

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

Rigging Fig.2

- 7 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.

Installation/Framing Strength Requirement

The wood structure to which an anchorage device is attached must be capable of sustaining static loads applied in the direction of the fall hazard as follows:

- a) *2 times the engineered load or,
- b) *5,000lb(22.5kN) without engineering.

Fastener Penetration Multiple Substrates

Fasteners must penetrate into the top chord a min of 2.0" as shown at Fig.5a. Remove materials from substrate if necessary.

Vertical Walls

Requires installation with wood screws only. Do not use nails.

*ANSI Z359.1-07section 7.2.3/OSHA 1910.66 App C(I)(10)