



SUPER ANCHOR SAFETY®



Instruction 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.

Specification of Use

One person use for personal Fall Arrest or Work Positioning.

Max. User Wt: 340lb (154kg) including tools.

Energy Absorber: ANSI or CSA compliant personal energy absorber is required to use with the Apex anchor.

Anchor Specifications

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

Material Specification: 11ga. Powder coated steel.

Width: 2.0" **Length:** 35.0"

Factory Angle Bend: 13° degree

Compliance

OSHA 1926:502/1910.66

ANSI Z359.1-07

ANSI A10.32-2012

Component compatible with **SAS PPE**.

Angle Adjustment

Apex anchor may be bent/formed by hand to adjust to the slope of a roof. Do not machine bend or exceed 24/12 slope (64°).

Installation

Designed for installation at the ridge of a sloped roof as shown at Fig.2 sheathed with plywood, OSB or solid decking. For field (flat surfaces) flatten legs to align with the substrate surface.

Top Chord

Shown at Fig.3, the anchor must be installed over the center of a 2x4 or larger dimension top chord, rafter, beam or joist that is capable of supporting 5,000lb (22.5kN) or 2 times the Δ engineered fall protection load.

Δ The maximum arrest force (MAF) that is applied to the anchor and anchor attachment point in a free fall is not to exceed 6ft (1.8m).

Fastener Installation

Accurately position the anchor center holes over the center of a top chord, rafter, beam or joist as shown at Fig.3 and flush nail to leg surface. See page 2 for additional information.

Fastener Blow-outs

Fasteners that penetrate the top chord side as shown at Fig.4 will reduce the anchors attachment strength. Blow-outs must be removed and installed correctly.

SAS Engineered Fall Protection Load @ 2 Times MAF

Worker wt.	Energy Absorber	MAF	▲ Framing Strength
90-310lb (45-140kg)	SAS E-4 16061/6061k/16062	900lb (4kN)	1,800lb/per-person (8kN)
200-340lb (90-154kg)	SAS E-6 1V6061	1300lb (6kN)	2,600lb/per-person (12kN)

▲ For fall protection equipment only. Does not address framing engineering.

Fig.1 Apex Anchor No. 2795

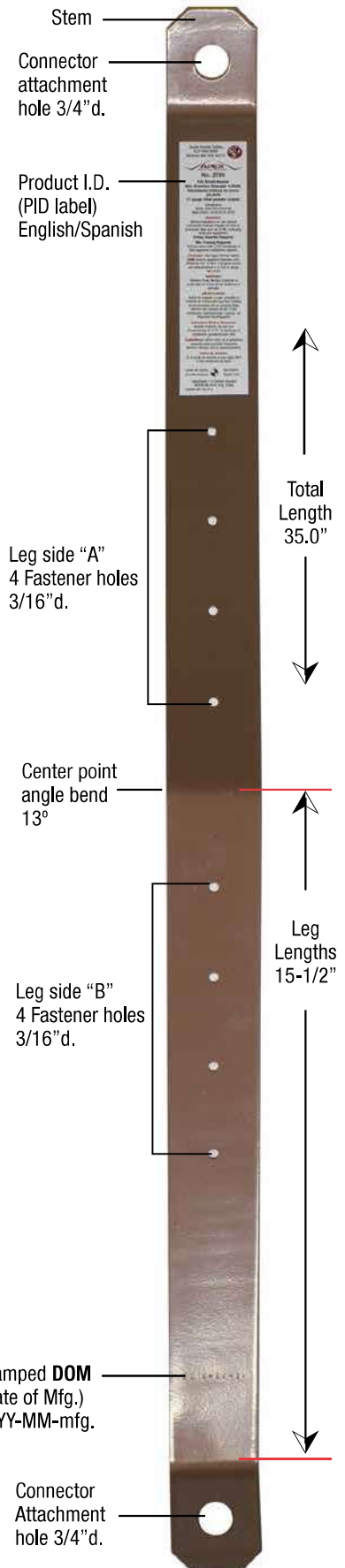


Fig.2



Fig.4

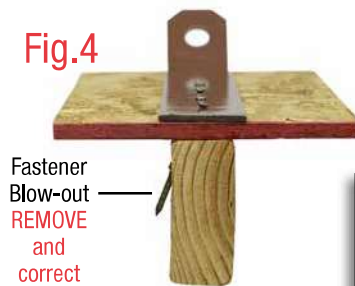
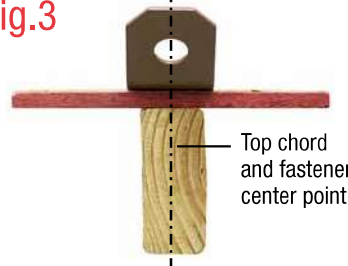
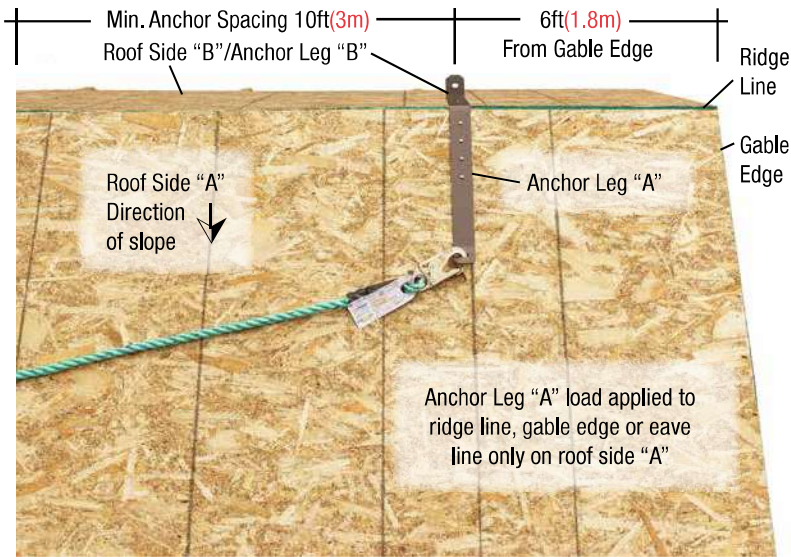


Fig.3



WARNING! Failure to install all 8 fasteners correctly may result in a failure to arrest a free fall.

Fig.5



Leading Edge or Eave Line

Anchor Locations/Spacing

Anchors must be installed a minimum of 6ft(1.8m) from a gable edge. Spacing between anchors should not exceed 10ft(3m) unless the spacing has been engineered by **SAS** or a competent person.

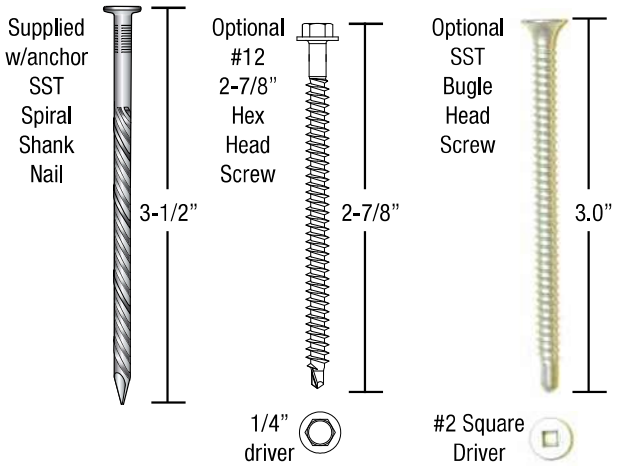
Direction of Fall Protection Load

The Apex anchor must have the load applied downslope or perpendicular to the connector hole as shown at Fig.5. Example: To prevent "Reverse Loading" shown at Fig.6, when moving from one side of a work surface to the other, the lifeline must be disconnected from anchor leg "A" and reconnected to anchor leg side "B". This should be done without exposure to a free fall.

Fasteners

Apex anchors are supplied with 8-16d. spiral shank stainless steel nails. 4 nails are required for each anchor leg. Optional **SAS** supplied 12ga. Hex Head or Bugle Head screws may be used. **Use only SAS factory supplied fasteners.** Fastener heads may be waterproofed with caulking or a self sealing membrane. Request **SAS** Butyl strips.

Fig.6



Replacement Fasteners Packs

Type	Part No.	No. Pcs
SST Nail	2013	8
Hex Head	2009	10
Bugle Head	2045	8

Bulk packs available.

Permanent Anchor Installation

Apex is designed for permanent installation with asphalt shingle type roofs. May be used with other types of roofing materials. The anchor leg at the stem bend should be overlapped with a shingle as shown at Fig.7.

Personal Protective Equipment (PPE)

The use of OSHA, ANSI or CSA compliant PPE that is ensured for component compatibility is required for use with the Apex anchor including 3,600lb(16kN) gate strength connectors.

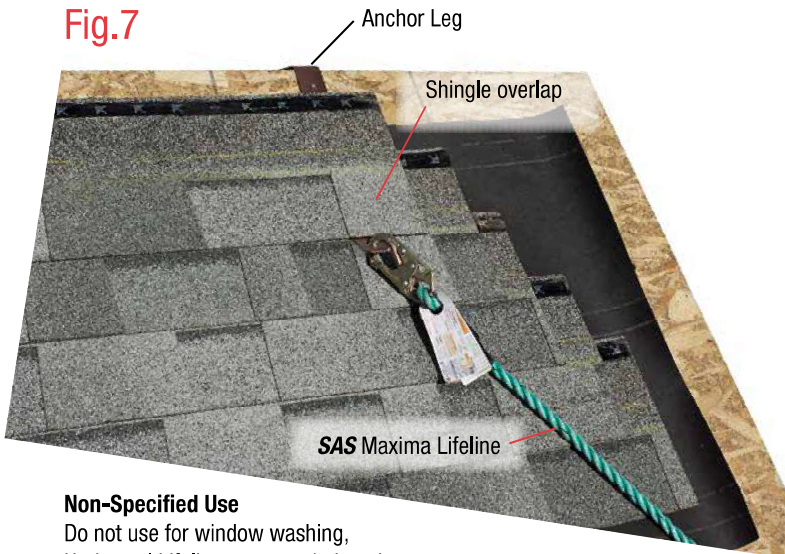
Component Compatibility is ensured when PPE mfg. by **SAS** is used.

Equipment mfg. by others requires compatibility to be ensured by a competent person. See OSHA definition.

Free Fall Hazard Exposure must not exceed 6ft(1.8m).

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

Fig.7



Non-Specified Use

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