



SUPER ANCHOR SAFETY®

RS Series Anchors Instruction/Specification Manual 06-2021

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.

Material Specifications

Anchor Leg: 430 Stainless Steel
RS-10/20/Retro Fit: 2 Layers 20ga.
D-Ring: Stamped Dacromet™ or yellow zinc plated steel.
Fastener Holes: 3/16" d.
Anchor Leg/D-Ring Min. Tensile Strength: 5,000lb(22.5kN).
Stamp Marks: DOM Y/M and mfg.

Certifications

Compliance: OSHA1926.502/1910.66
 ANSI Z359.1-07/A10.32-2012
Canadian 3rd Party Engineering:
 Certified by a member of
 l'Ordre des ingénieurs du Québec.

Specified Use

Fall arrest or fall restraint PPE anchorage.
 Permanent or temporary installation on wood framed structures.
 May be used on metal decking min. of 24ga. w/SAS engineering.
User Specifications: 1 person max user wt. 340lb(154kg).
Free Fall: Max length 6ft(1.8m). **Max. Arrest force:** 1,800lb(8kN).
 Energy Absorber required specified for the user's weight.

Non-Specified Use

Do not use for window washing, suspended work or Horizontal Lifeline Systems. Do not attach to the underside or side of a top chord or framing.

Fastener Specifications

Supplied with 3.0" Spiral SST nails. Optional SAS fasteners (see Table 1).
CAUTION! DO NOT substitute with other types of fasteners unless they have been engineered by a qualified person or supplied by SAS.
Screws: Use the lowest torque setting to flush mount with leg surface.
WARNING! Always use eye protection when installing fasteners. DO NOT install screws by hammering. DO NOT reuse fasteners specified in this manual.

Fastener/Anchor Inspection Prior to Use

At the time of first installation, check the underside of the sheathing at anchor location and inspect for blow outs as shown at Fig.4. Before using the anchor, always confirm it has been correctly installed. Remove from service if any of the following conditions are present:

- 1) Deformation of D-Ring or Shackle.
- 2) Missing fasteners (see Table 1-A).
- 3) Fastener Blow-outs (see Fig.4).
- 4) Subjected to a free fall.

Anchor Installation over Wood Framing

Framing must be capable of supporting 5,000lb(22.5kN) or 2 times the intended fall protection load. Install over min. 2x4 top chord with 7/16" or thicker OSB or Plywood sheathing that is structurally sound and free of defects or damage. Position leg over top chord center and install leg fasteners as shown at Fig.3. Install leg off-center fasteners at a slight angle toward the rafter center Fig.3.1. Defective anchor installations must be removed and installed at a different location using new fasteners. **WARNING! DO NOT install over open framing without sheathing.**

Table 1 SAS Supplied Fasteners/Service Load

Fasteners			▲Max Service Load Applied	
Part No.	Min.	Types	0°-30° Angle	Over 30°
RS-10	6	3.0" SST Spiral Nails *3.0" Screws HH/BH	3,600lb(16kN) See Fig.5	Fall Restraint Use Only! No risk of Free Fall
Retro-Fit	8			
RS-20	8			

*HH=12ga Hex Head / BH=Bugle Head
 ▲SAS energy absorber MAF = 1,800lb(8kN) + safety factor x2.
 Other mfg. energy absorbers may be used when compatibility is ensured by a qualified or competent person.

