SUPER ANCHOR SAFETY®

Tie-off Straps

Instruction/Specification Manual 02-2020

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
See **Table 1**
Webbing: Nylon/Polyester 1-3/4"-2.0" wide.
Min. Service Strength: 5,000lb(22.5kN).
D-Rings: Yellow or bright zinc platted, stamped or forged.
Min. Breaking Strength: 5,000lb(22.5kN).
Proof Load: 3,600lb(16kN).

Compliance
ANSI Z359.1-07 OSHA 1926.502
(SAS)= Super Anchor Safety
Inspection Points: Ⓧ

Specification of Use
One person use for Fall Arrest, Work Positioning or Horizontal Lifeline (HLL) ends. Temporary use only, remove after use.
Max. User Wt: 340lb(154kg) including tools.
Max. Free Fall: 6ft(1.8m).
Max. Arrest Force: 1,800lb(8kN).

PPE/Energy Absorber
ANSI or CSA compliant personal energy absorber is required to use with all Tie-Off straps. WARNING! Tie-Off straps are not shock absorbing components and do not stretch.
PPE: Fall protection equipment including full body harness, lifeline and rope grab must comply with current ANSI or CSA standards.

Framing Requirement
Attach Tie-Off straps to wood framing, structural concrete, structural steel or lift equipment fitted with PPE anchorage. Supporting structures and tie-off anchorage connector points must be capable of supporting 5,000lb(22kN) or 2 times the engineered fall protection load.

Tie-Off Strap Installation
Single D-Ring Cinch Method: Wrap around a supporting structure as shown at Figs.2 and 3. Insert D-Ring through web loop end and cinch tightly to prevent horizontal movement. **Double Loop End Cinch Method:** Insert one loop end through the other loop end and attach connector as shown at Fig.4 or attach connector through both loop ends. See Warning! below.
Double D-Ring Cinch Method: Feed small D-ring through large D-Ring and attach connector to small D-Ring as shown at Fig.5.
Double D-Ring Loop Method: As shown at Fig.6 and attach connector through both D-Rings. Warning! Failure to use the cinch method may result in unintentional horizontal movement of the strap in the event of a fall.

Steel Beams
To prevent abrasion and extend service life, use tie-off straps w/concrete (abrasion) sleeves as shown at Fig.3.

Sheathing Installed
Cinch strap around framing and exit through sheathing joints as shown at Fig.7. Evacuate by cutting the strap off in a way that prevents further use. Long-term exposure to weather will deteriorate the stitching and webbing.

Fig.2
Cinch Method

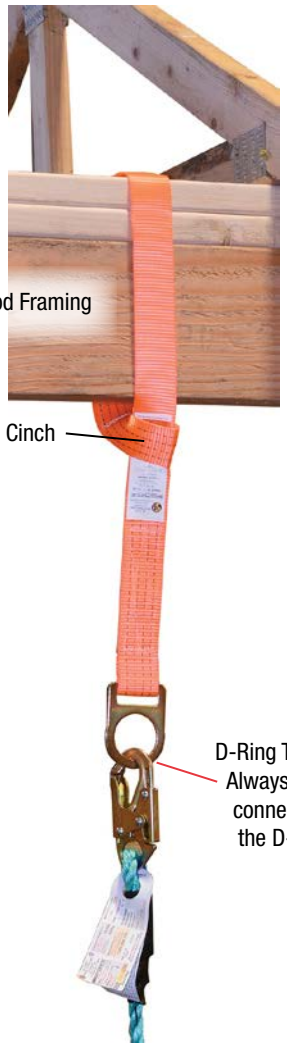


Fig.3
Structural Steel

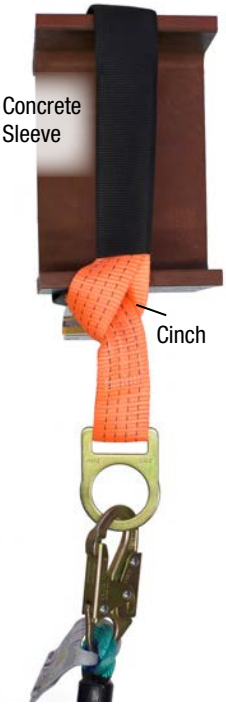


Fig.4
Double Loop End

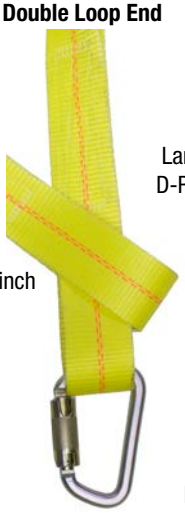


Fig.5 Fig.6
Double D-Ring

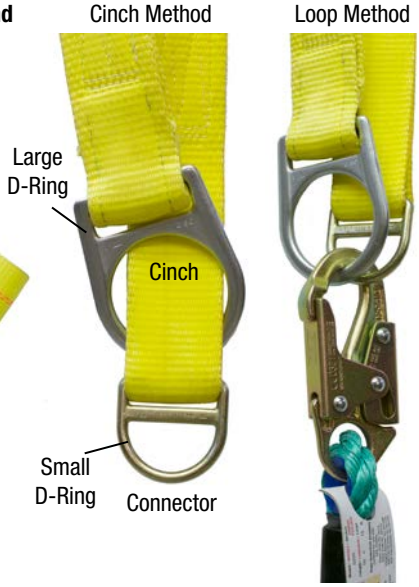
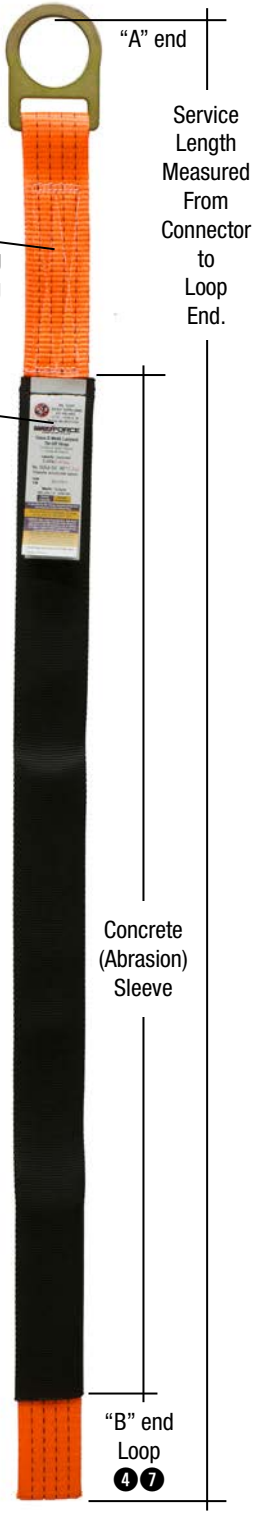


Fig.1 No. 6054-DC w/Concrete Sleeve



WARNING!
DO NOT allow webbing to come into contact with:
- Open flame
- High heat
- Sharp edges
- Electrical hazards
- Cutting tools or grinders
- Acids, chemicals or petroleum products

Inspect Before Each Use!

The following inspection points are a guideline of common conditions that occur as a result of abuse, poor maintenance, service damage or long service life. Equipment users are required to draft their own Inspection/Maintenance program. Inspect before each use, and a minimum of once a year by a competent person. Record inspections on Tie-Off strap label.

Remove equipment from service if any of the following conditions are present:

ⓧ= Inspection points **ACTION REQUIRED:** ☒=Remove

ANSI-CSA and OSHA require that tie-off straps subjected to a free fall must be removed from service immediately and disposed of in a way that prevents further use.

1. Has not been inspected annually. ☒ Check inspection label for data entry.
2. Warning labels missing or not legible. ☒
3. Webbing is cut or abraded. ☒ Evidence of heat or chemical damage. ☒ Damage from pets or vermin. ☒
4. Webbing stitches cut or pulled loose. ☒
5. D-ring/s are deformed, cut, or have extreme rusting. ☒
6. Mildew or mold is present. ☒
7. Exterior loop and inner loop webbing wear or abrasion. ☒

Table 1.

Part No.	Service Length/"	Webbing Type Strength/lb	Connectors		Fig.
			A-end	B-end	
3005-C	48	Poly 14,000	D-Ring	Loop	8
▲6015/16	36/72	Nylon 18,000			9
▲6031/32	36/72		Lrg. D-Ring	Sm. D-Ring	10
6047-C	24	Poly 13,000	D-Ring	Loop	11
6048	48	Poly 7,425			12
6050	36-72	Poly 13,600	Loop	Loop	13
6050-D		Poly 13,600	D-Ring	Loop	14
△6054 -DC	48	Poly 14,000			15
△6055-D	36-72	Poly 13,600			16

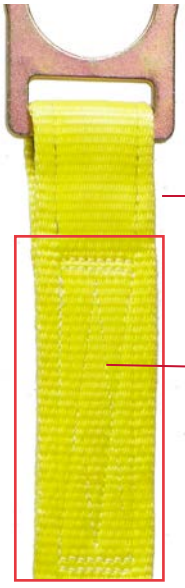
▲*USA mfg. w/inside wear pads.* △*Fitted with concrete abrasion sleeve.*

8 Concrete Sleeve 3005-C | 9 Heavy-Duty Single D | 10 Nylon Double D | 11 Truss Bar Replacement | 12 Hi-Viz | 13 Value™ Strap Double Loop | 14 Value™ Strap D-Ring | 15 6054-DC | 16 Value™ Strap 6055-D

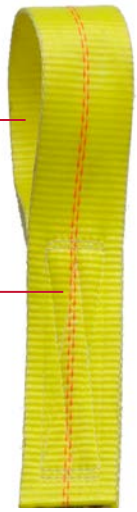
Storage/Maintenance

Store in a dry area. Never store wet.
WARNING! Prolonged UV exposure will deteriorate webbing and stitches.

D-Ring End



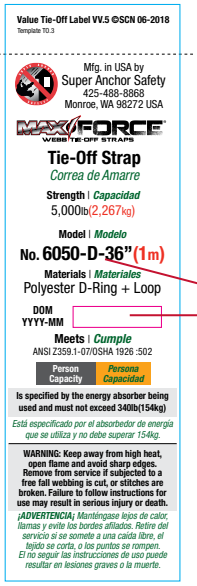
Loop End
Nylon straps have inside wear pads.



Inspection Points
Also see Fig.1

- Inside Loop Wear ❼
- Webbing Damage ❸
- Box Stitching ❹
- Mold/Mildew ❻

PID Label



"SAS"=mfg. Super Anchor factory, USA

Serial No.

Enter service start date.

Part No.

Date of mfg. (DOM)

Inspection Label

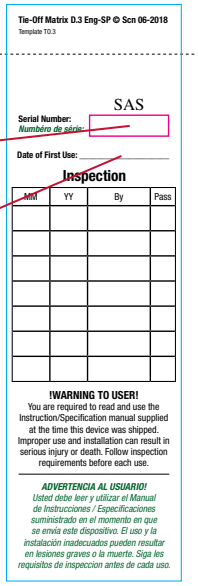
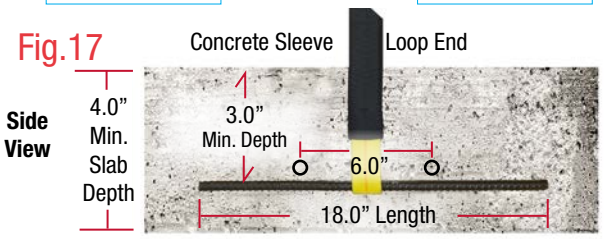


Fig.17



Concrete Embedment

SAS recommends to use straps with concrete sleeves only. Install as shown at Figs.17-18.
Concrete: Min. 2500psi.
Min. Slab Depth: 4.0"
Alternate installation may be specified by the project engineer or qualified person.*
**OSHA definition*
WARNING! Concrete must be cured sufficiently to withstand the engineered fall protection load.
Evacuate by cutting off.

Fig.18