

SAFETY ENGINEER'S GUIDE TO TOOL TETHERING



Building quality tool and
gear tethers since 1995



**Gear
Keeper®**
The Leader In Innovative Tethering Solutions



Shock Absorbing Personal Tool Tethers 3/4" Super Coil™— Made in the USA with USA coils

ANSI/ISEA 121-2018



Construction / Benefits

- The 3/4" Super Coils are strong, impact absorbing tethers. Their Nylon webbing construction, with integrated elastic, provides the shortest retracted length to minimize entanglement and low force extension to reduced fatigue during use.
- High shock-load locking carabiner to meet ANSI 121

2 Carabiner

Load Limit: 15 lb / 6.8 kg
Retracted Length: 27" / 68 cm
Extended Length: 48" / 122 cm



- **TL1-3041**
Aluminum Double Lock Carabiner
\$33.00 / 10 pk-\$31.00 per unit



- **TL1-3021**
Stainless Steel Screw Lock Carabiner
\$32.00 / 10 pk-\$30.00 per unit

Side Release Lanyard

Load Limit: 5 lb / 2.2 kg
Retracted Length: 34" / 86 cm
Extended Length: 52" / 132 cm



AC0-0204-3PK
3 pk-\$5.00 per unit /
10 pk-\$4.75 per unit
6" Side Release Accessory Lanyard
Used with TL1-3042, TL1-3022

- **TL1-3042**
Aluminum Double Lock Carabiner
\$28.00 / 10 pk-\$26.00 per unit



- **TL1-3022**
Stainless Steel Screw Lock Carabiner
\$27.50 / 10 pk-\$25.50 per unit

Fixed End Lanyard

Load Limit: 15 lb / 6.8 kg
Retracted Length: 27" / 68 cm
Extended Length: 48" / 122 cm



- **TL1-3044**
Aluminum Double Lock Carabiner
\$27.00 / 10 pk-\$25.00 per unit



- **TL1-3024**
Stainless Steel Screw Lock Carabiner
\$26.50 / 10 pk-\$24.50 per unit

Shock Absorbing Personal Tool Tethers 3/4" Super Coil™ — Imported

ANSI/ISEA 121-2018

2 Carabiner

Load Limit: 15 lb / 6.8 kg
Retracted Length: 35" / 89 cm
Extended Length: 56" / 142 cm



- **TL1-3141**
Aluminum Twist Lock Carabiner
\$20.50



- **TL1-3121**
Screw Lock Carabiner
\$14.00

Fixed End Lanyard

Load Limit: 15 lb / 6.8 kg
Retracted Length: 33" / 84 cm
Extended Length: 52" / 132 cm



- **TL1-3144**
Aluminum Twist Lock Carabiner
\$17.00



- **TL1-3142**
Screw Lock Carabiner
\$11.00

Glove Holder



Glove Holder

- **TA3-2000-12PK**
12 pk-\$3.79 per unit



Shock Absorbing Anchored Tool Tethers 1" Super Coil™

ANSI/ISEA 121-2018

18 foot Diameter Working Area
With a 4 foot Retracted Length

250% Stress-Free Extension Anchored Tethers For Tools Up To 25 lbs.

Gear Keeper's ergonomic Anchored Tool Tether Series is unique because it has been designed with a low force polyurethane elastic core that has a 2.5:1 stretch factor (3 ft relaxed – 9 ft extended). These tethers have the shortest retracted length combined with the longest extension length, offering significantly more stretch and retraction than competitive bungee-type core tethers.

Construction / Benefits

- Designed for use with tools that are either too heavy to be attached to a person or when it is more advantageous to anchor the tool to a structure.
- The 1" Super Coil's 2.5:1 retraction capability minimizes entanglement issues when climbing or working in close quarters.



Long Working Length
For Attachment
To Lift Bucket Or
Supported Structure



2 Carabiner

- **TL1-4021**
Stainless Steel Locking Carabiner
\$49.00 / 10 pk-\$47.00 per unit
Load Limit: 25 lb / 11.3 kg
Retracted Length: 42" / 107 cm
Extended Length: 109" / 277 cm

9 Foot Tethers



Fixed Web Loop

- **TL1-4025**
Stainless Steel Locking Carabiner
\$45.00 / 10 pk-\$43.00 per unit
Load Limit: 25 lb / 11.3 kg
Retracted Length: 55" / 140 cm
Extended Length: 112" / 284 cm

6 Foot Tethers

- **TL1-4121**
Stainless Steel Locking Carabiner
\$42.00 / 10 pk-\$40.00 per unit
Load Limit: 25 lb / 11.3 kg
Retracted Length: 35" / 89 cm
Extended Length: 72" / 183 cm
- **TL1-4125**
Stainless Steel Locking Carabiner
\$38.00 / 10 pk-\$36.00 per unit
Load Limit: 25 lb / 11.3 kg
Retracted Length: 35" / 89 cm
Extended Length: 72" / 183 cm



Wrist Lanyards

ANSI/ISEA 121-2018

Designed for use with small hand tools
Ideal when a short drop distance is required



Retractable Wrist Lanyard

- **TL1-2006** \$34.00
Load Limit: 16 oz / .45 kg.
Extended Length: 46" / 117 cm
Retraction Force: 3 oz / 85 gm

Additional Lanyards

- **AC0-0926-3PK**
QC/II Shock Absorbing Lanyard
3 pk-\$5.00 per unit /
10 pk-\$4.75 per unit



Standard Wrist Lanyard

- \$10.00
- **TL1-2004**
Load Limit: 5 lb / 2.2 kg.
Extended Length: 20" / 50 cm

• TL1-2005

- Load Limit: 5 lb / 2.2 kg.
Extended Length: 10" / 25 cm

- Velcro Wrist Strap
- Basic Wrist Lanyard with a dedicated lanyard loop for attaching to a tool.



Deluxe Wrist-Velcro Lanyard w/ Barrel Lock

- **TL1-2007**
\$13.00
Load Limit: 5 lb / 2.2 kg.
Extended Length: 10" / 25 cm

- Allows for easy tool change-out
- Wrist strap secured with loop and cinch Velcro

Additional Lanyards

- **AC0-0206-3PK**
Lanyard w/ Barrel Lock
3 pk-\$5.00 per unit/
10 pk-\$4.75 per unit



Deluxe Wrist-Side Release Lanyard w/ Barrel Lock

- **TL1-2009**
\$13.00
Load Limit: 5 lb / 2.2 kg.
Extended Length: 10" / 25 cm

- Allows for easy tool change-out
- Wrist strap secured with adjustable side-release buckle

Additional Lanyards

- **AC0-0206-3PK**
Lanyard w/ Barrel Lock
3 pk-\$5.00 each /
10 pk-\$4.75 per unit



Deluxe Wrist-Velcro SS Snap Lanyard

- **TL1-2008**
\$16.50
Load Limit: 5 lb / 2.2 kg.
Extended Length: 10" / 25 cm

- Allows for easy tool change-out
- Wrist strap secured with loop and cinch Velcro

Additional Lanyard

- **AC0-0207**
SS Snap Lanyard
\$10.00 / 10 pk-\$9.50 per unit

Tool Pouch with Integrated Retractable Tool Tethers.

ANSI/ISEA 121-2018

1.5 lb. Load Limit

Belt Loop Mounting Straps

Fits belts up to 2"

Magnetic Tool Stabilizer Attachment Points

Use to prevent swinging

* Optional Accessory

Expansion D-Rings

For additional tether expansion

Quick Connect II (QC-II) Disconnect System

Allows easy connection/disconnection of tools

Integrated Retractable Tether

- USA Made /Saltwater proof
- Spectra/Nylon that does not fatigue line cable

Load Limit: 24 oz / .68 kg

Extended Length: 41.5"

(Pouch side view)

Large

Medium

Small



Large 3 Retractor Pouch

- TP9-0001 \$110.00

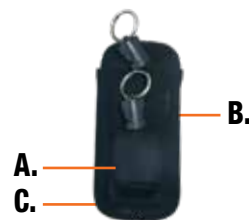
- A. 3 Integrated Retractors
- B. 2 Pocket (3.5" x 4", 3.5" x 6")
- C. 2 Expansion D-Rings
- D. 5 Magnetic Stabilizer Attachment Points



Medium 2 Retractor Pouch

- TP9-0002 \$95.00

- A. 2 Integrated Retractors
- B. 2 Pocket (3.25" x 3", 3.25" x 5")
- C. 2 Expansion D-Rings
- D. 4 Magnetic Stabilizer Attachment Points



Small 2 Retractor Pouch

- TP9-0003-MAG \$110.00

- A. 2 Integrated Retractors
- B. 1 Pocket (2.75 x 5")
- C. Integrated Magnetic Tool Holder

Accessories



Quick Connect II (QC-II) 1 1/8" Split Ring (2-pack)

- AC0-0916
\$3.99

Side-Release Tethers

1.5 lb. Load Limit



Stainless Steel Carabiner

- RT4-5602

\$30.00 / 10 pk-\$28.50 per unit

- Mounting system uses impact absorbing elastic webbing
- Retractor mechanism uses wear resistant Spectra/ Nylon line

Load Limit: 24 oz / .68 kg

Extended Length: 50" / 127 cm

Retraction Force: 3 oz / 85 gm



Q/C-II Shock Absorbing Lanyards

Used w/ RT4-5602, RT4-5604

- ACO-0926-3PK

3 pk-\$5.00 per unit / 10 pk-\$4.75 per unit

Load Limit: 16 oz / .45 kg

2 lb. Load Limit



360° Rotating Belt Clip

- RT3-5604

\$40.25

- Retractor mechanism uses wear resistant Spectra/ Nylon line

Load Limit: 32 oz / .9 kg.

Extended Length: 50" / 127 cm

Retraction Force: 7 oz / 198 gm



S/R Shock Absorbing Lanyard

Used w/ RT3-5602

RT3-5603, RT3-5604

- ACO-0205-3PK

3 pk-\$5.00 per unit / 10 pk-\$4.75 per unit

Load Limit: 32 oz / .9 kg

2.5 lb. Load Limit



Stainless Steel Carabiner

- RT3-5602

\$40.00 / 10 pk-\$38.50 per unit



Aluminum Twist Lock Carabiner

- RT3-5602-A

\$41.00 / 10 pk-\$39.50 per unit

- Mounting system uses impact absorbing elastic webbing
- Retractor mechanism uses wear resistant Spectra/ Nylon line

Load Limit: 40 oz / 1.13 kg

Extended Length: 50" / 127 cm

Retraction Force: 7 oz / 198 gm

Carabiner Tethers

4 lb. Load Limit

Stainless Steel Carabiner – 4 lb. Load Limit

- RT3-5605

\$45.00 / 10 pk-\$43.50 per unit

- Mounting system uses impact absorbing elastic webbing
- Retractor mechanism uses impact absorbing nylon webbing

Load Limit: 4 lb / 1.18 kg

Extended Length: 50" / 127 cm

Retraction Force: 7 oz / 198 gm



Aluminum Twist Lock Carabiner – 4 lb. Load Limit

- RT3-5605-A

\$46.00 / 10 pk-\$44.50 per unit

- Mounting system uses impact absorbing elastic webbing
- Retractor mechanism uses impact absorbing nylon webbing

Load Limit: 4 lb / 1.18 kg

Extended Length: 50" / 127 cm

Retraction Force: 7 oz / 198 gm





Application-Specific Tethers™

ANSI/ISEA 121-2018

- Our low-profile system is less cumbersome than coils or cables! You're tethered and compliant without the hassle.
- Mounted in a pocket, on a D-ring or a belt, your valuable small gear is easily accessible without entanglement.



Retractable Tape Measure Tethers

Mounts on a belt

- **RT4-5615 Rotating Belt Clip Mount**
\$30.00

Load Limit: 20 oz / .56 kg
Extended Length: 45" / 117 cm
Retraction Force: 6 oz / 170 gm



Mounts to a D-ring

- **RT4-5611 Stainless Steel Carabiner**
\$30.00 / 10 pk-\$28.50 per unit
- Load Limit: 20 oz / .56 kg.
Extended Length: 48" / 130 cm
Retraction Force: 6 oz / 170 gm



Mounts inside a pocket

- **RT4-5622 Threaded Stud Mount**
\$28.00

Load Limit: 20 oz / .56 kg
Extended Length: 30" / 76 cm
Retraction Force: 6 oz / 170 gm



Small Radios

Large Radios

Mounts inside a pocket

- **RT4-5322 Threaded Stud Mount**
\$28.00

Load Limit: 13 oz / .36 kg
Extended Length: 32" / 81 cm
Retraction Force: 9 oz / 255 gm



Retractable Radio Tethers

Mounts inside a pocket

- **RT3-5610 Threaded Stud Mount**
\$32.00

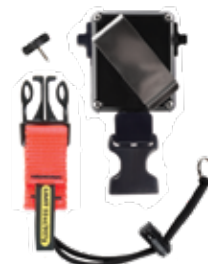
Load Limit: 24 oz / .68 kg
Extended Length: 30" / 76 cm
Retraction Force: 12 oz / 340 gm



Mounts on a belt

- **RT3-4653 Belt Clip Mount**
\$32.00

Load Limit: 24 oz / .68 kg
Extended Length: 36" / 91 cm
Retraction Force: 18 oz / 510 gm



Retractable Smart Phone Tethers

Mounts on a belt

- **RT4-5450 Rotating Belt Clip**
\$23.99

Load Limit: 8 oz / 227 gm
Extended Length: 36" / 91 cm
Retraction Force: 3 oz / 85 gm



Mounts inside a pocket

- **RT5-5420 Threaded Stud Mount**
\$21.00

Load Limit: 8 oz / 227 gm
Extended Length: 26" / 66 cm
Retraction Force: 2.5 oz / 70 gm



Hard Hat Tethers

Standard Hard Hat Tether

- Spring clip attaches to clothing to secure hard hat.



Coil Hard Hat Tether

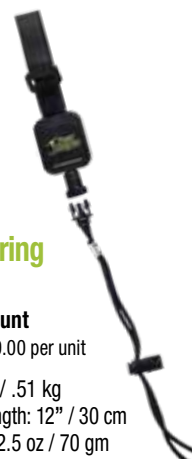
- **TL1-5002 Locking Tarp Clip Mount**
\$7.49

Load Limit: 18oz / .51 kg
Coil Length: 17" / 43 cm
Extended Coil Length: 48" / 121 cm

Mounts to D-ring

- **RT5-5601 Velcro Strap Mount**
\$20.00 / 10 pk-\$19.00 per unit

Load Limit: 18 oz / .51 kg
Extended Line Length: 12" / 30 cm
Retraction Force: 2.5 oz / 70 gm



Mounts to Vest or Coveralls

- **RT5-5602 Threaded Stud Mount**
\$20.00 / 10 pk-\$19.00 per unit

Load Limit: 18 oz / .51 kg
Length: 16" / 41 cm



Vest Integration® Tethers - Drop-Safe Without Slowing You Down

- Our low-profile system is much less obtrusive and cumbersome than bulky coils or cables.
- Mounted in a pocket, it keeps your valuable small gear easily accessible but safe and out of the way.
- Threaded Stud securely attaches to garment with structure such as coveralls or vest.

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Patented & Patent-Pending

Retractable Hard Hat Tether

- RT5-5602
Threaded Stud Mount
\$20.00 / 10 pk-\$19.00 per unit
- Load Limit: 18 oz / .51 kg
Extended Line Length: 12" / 30 cm
Retraction Force: 2.5 oz / 70 gm



Pencil/Pen Tether

- RT5-5605
Threaded Stud Mount
\$18.00

Load Limit: 3 oz / 85 gm
Extend: Length: 36" / 92 cm
Retract: Force: 2.5 oz / 70 gm
Pencil/Pen Not Included



Smart Phone Tether

- RT5-5420 Threaded Stud Mount
\$21.00

Load Limit: 8 oz / 227 gm
Extended Length: 26" / 66 cm
Retraction Force: 2.5 oz / 70 gm



Security in Your Pockets



Small Radio Tether

- RT4-5322
Threaded Stud Mount
\$28.00

Load Limit: 13 oz / .36 kg
Extended Length: 32" / 81 cm
Retraction Force: 9 oz / 255 gm



This Application needs a case with a built-in strong anchor point
We tested Groleoa (pictured here)

Tablet / Large Radio Tether

- RT3-5610
Threaded Stud Mount
\$32.00

Load Limit: 24 oz / .68 kg
Extended Length: 30" / 76 cm
Retraction Force: 12 oz / 340 gm



Tape Measure or Tool Tether

- RT4-5622
Threaded Stud Mount
\$28.00

Load Limit: 20 oz / .56 kg
Extended Length: 30" / 76 cm
Retraction Force: 6 oz / 170 gm



Great for Hand Tools



Warning : Stud Mounts must be installed in clothing with structure, NOT in mesh material.



Loop, Cinch & Secure Tool Attachment Method

Very Secure • Reliable • Easy to Use • Cost Effective • Flexible

LOOP CINCH SECURE

Easy choices that fabricate to almost any tool



A

It is not unusual for a tool to not have an appropriate or rated tether attachment point.

There are two methods for attaching tethers to tools:

- A. Directly attach a lanyard-type tether to the tool
- B. Fabricate a load ring to a tool and then attach a carabiner-style tether to the load ring attachment point (see Tool Attachment Accessories Page 11)



B

For structural integrity the **load ring** is looped and cinched directly to the tool. Adding **SFST Tape** secures the cinched tool attachment and provides extra friction against slippage. A tightly cinched tool attachment using this method will have minimal to no slippage in a tool drop—as opposed to simply taping the tool attachment to the tool as its only structural attachment.

Loop



Cinch



Secure



LOOP CINCH SECURE



Warning: We do not recommend the use of **SFST tape** as THE ONLY structural component of a tool attachment. Although, depending on tool weight this might work, the structural integrity of a looped tool attachment is more secure.

We recommend four methods of fabricating safe and secure tool attachments using the Accessories on the following page >



A. Tool Attachment Installation with Tool Geometry



B. Tool Attachment Installation with Minimal or No Tool Geometry



C. Loop Lanyard Installation



D. Swivel Tool Attachment Installation

Anchor Attachment Accessories

ANSI/ISEA 121-2018

Loop & Cinch Around Web Belt



Load Ring Strap / Stainless Steel

- TA2-2001
Load Limit: 15 lb / 6.8 kg
Max Tether Length: 6 ft / 182 cm
\$7.50 / 10 pk-\$7.25 per unit



Slip-On Web Belt



Belt Loop Load Ring / Stainless Steel

- TA2-2002
Load Limit: 15 lb / 6.8 kg
Max Tether Length: 6 ft / 182 cm
\$7.00 / 10 pk-\$6.75 per unit



Tool Attachment Accessories

ANSI/ISEA 121-2018

Load Ratings When Used With Tool Tethers
Up To 72"/183 cm Extension Length...
ie. for use with tethers up to 6'

Important: Care must be taken in determining the weight of the tool and its geometry. Since the weight and types of tools, types of lanyards and tool geometry are variables, the integrity of creating an attachment point becomes user-dependent. With a looped tether, the strength of the attachment is based on the lanyard wrapped around the tool. In this case, the purpose of taping is simply to keep the attachment point from sliding off the tool as opposed to being an integral structural part of the attachment.



Load Ring Strap / Stainless Steel

- TA1-1001-3PK
3 pk-\$5.00 per unit / 10 pk-\$4.75 per unit
Load Limit: 5 lb / 2.2 kg
Max Tether Length: 6 ft / 182 cm



Load Ring Swivel / Zinc Plated

- TA1-1002-3PK
3 pk-\$6.50 per unit / 10 pk-\$6.25 per unit
Load Limit: 5 lb / 2.2 kg
Max Tether Length: 6 ft / 182 cm



Load Ring Strap / Stainless Steel

- TA1-2001-3PK
3 pk-\$5.25 / 10 pk-\$5.00
Load Limit: 10 lb / 4.5 kg
Max Tether Length: 6 ft / 182 cm



Load Ring Lanyard / Stainless Steel

- TA1-2003-3PK
3 pk-\$8.75 / 10 pk-\$8.50
Load Limit: 10 lb / 4.5 kg
Max Tether Length: 6 ft / 182 cm



Load Ring Strap / Stainless Steel

- TA1-3001
\$7.50 / 10 pk-\$7.25 per unit
Load Limit: 15 lb / 6.8 kg
Max Tether Length: 6 ft / 182 cm



Load Ring Swivel / Zinc Plated

- TA1-3002
\$11.00 / 10 pk-\$10.75 per unit
Load Limit: 15 lb / 6.8 kg
Max Tether Length: 6 ft / 182 cm



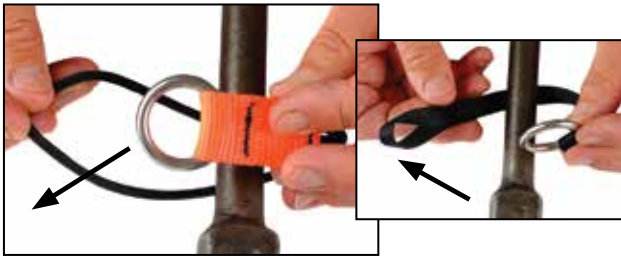
Self Fusing Silicon Tape / 36' (SFST)

- \$32.50
• TA3-1003

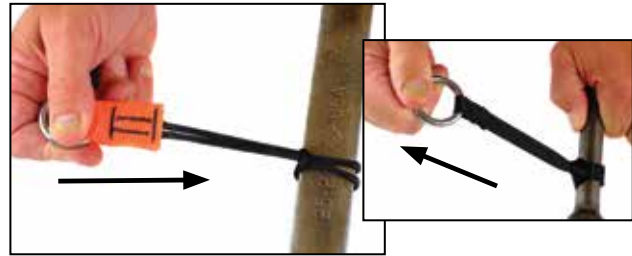
A. Tool Attachment Installation with Tool Geometry

LOOP CINCH SECURE

1. Loop Tool Attachment



2. Cinch Tool Attachment tight



3. Tape Tool Attachment to Secure



Apply **SFST tape** to cinched tool attachment in a criss-cross manner, extending the tape above and below the tool attachment. Recommend minimum of three wraps of SFST tape.



Completed taping will prevent the tool attachment from slipping off the tool. The structural connection is the cinched tool attachment itself, not the tape. Test for structural integrity and insure tool attachment does not slip.



Important:

Inspect tool attachment connection before each use. If tape wears or tool attachment loop becomes loose, re-install!



Note: Tape is NOT a structural part of the connection!

Warning: We do not recommend the use of **SFST tape** as THE ONLY structural component of a tool attachment. Gear Keeper tool attachments are only tested for the loop & cinch method with the SFST used to secure the cinch.



B. Tool Attachment Installation with Minimal or No Tool Geometry

1. Install as per Section A above



2. Apply minimum 3 wraps of SFST Tape as shown to create a Stop Block

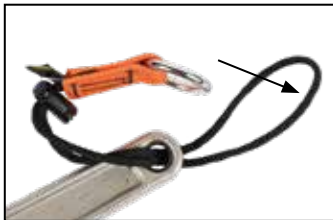


Note: Use of a **Stop Block** is not ideal but for tools with minimal or no geometry, it is functional.

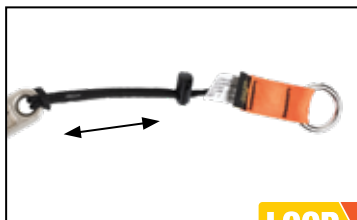
Warning: Check stop block before using tool. If **Stop Block** or tool attachment slips, reinstall tool attachment and stop block.

C. Loop Lanyard Installation Attaching to a Tool Hole or Directly to a Tool

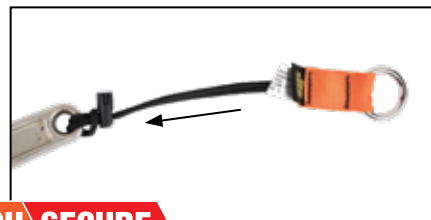
1. Feed through open Loop



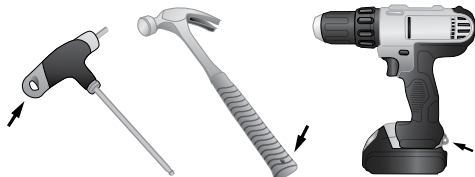
2. Cinch Lanyard tight



3. Tighten Barrel Lock to Secure



LOOP CINCH SECURE



Note: When installing to a tool's integrated attachment point verify with the tool's manufacturer whether the attachment point is rated as a tether point.

1. For Attaching Directly to a Tool, see Section A



Warning



Looping around tool and cinching tight with a barrel lock is NOT recommended as barrel lock may become dislodged and lanyard could slip off tool. For this type of installation, remove barrel lock and tape cinched cord to tool as shown in **Section A**.

D. Swivel Tool Attachment Installation

LOOP CINCH SECURE

1. Loop Tool Attachment



2. Cinch Tool Attachment tight



Note: Tool attachment should be looped around tool, not around grip, because grip could slide off tool!

3. Tape Tool Attachment to Secure



Apply **SFST tape** to cinched tool attachment in a criss-cross manner, extending the tape above and below the tool attachment. Recommend minimum of three wraps of tape. Test for structural integrity and insure tool attachment does not slip.



Tool attachment must also be taped and secured close to the swivel in order for swivel to work properly.



For screw driver attachment, it is NOT necessary to tape the cinched loop. Simply tape close to the Swivel



Warning : Inspect tool attachment connection before each use. If tape wears or tool attachment becomes loose, re-install!



“Provide quality products, competitively priced and delivered on time with total customer satisfaction. Nothing less. A simple promise for a complex world.”

Gear Keeper tethers are products of Hammerhead Industries Inc, the world’s leading manufacturer of unique personal safety tethering equipment including retractable tethers and lanyards for tools, gear and instruments. Covered by numerous patents, Gear Keeper tethers are precision made systems that keep tools and instruments safe, secure and close at hand.

There is Nothing Random About Quality. Our Guarantee.

All of the company’s products are built “Hammerhead Tough” in the USA. Hammerhead Industries warrants its products against manufacturing defects in workmanship or materials. If you are not satisfied with the quality or performance of any Hammerhead product, we will replace it or refund your money within 30 days after purchase through your original dealer or retailer. The warranty is void if the product has been abused beyond normal wear and tear or used for purposes other than intended.

To find a dealer near you or for more information about any Gear Keeper product, contact Customer Service.

Hammerhead Industries Inc, 1501 Goodyear Avenue, Ventura California. 93003 or call (888) 588-9981.

You may also visit www.gearkeeper.com.

