Tether Ready
Pocket Reference Guide
Notice

- All procedures shown in this document are for Python Safety products only.
- All lanyard adaptors should be connected to a Python Safety extension or lanyard.
- Ensure operators are assessed for competency in using all equipment and tools.
- Be careful working around rotating and moving equipment.
- Ensure operators have read and understood product information and warning labels for all lanyards and adaptors.
- Ensure all equipment and tools are regularly maintained and checked before each use for defects and deterioration.
- Ensure damaged, worn, or defective equipment, tools, lanyards, and adaptors are immediately removed from service.
- Never modify a tool from the manufacturer’s specification.

Inspect Before Use

Visual inspection is vital to safely using safety solutions. Inspect the entire surface of the product by starting on one side and working your way to the opposite, carefully rotating the product as you visually inspect for damage or wear that might affect the usefulness and dependability of the lanyard, adaptor or the tool.

After Use

After use, clean the equipment of dirt, corrosives, or contaminants and store in a clean and dry environment, free from fumes or corrosive elements. Taking care of your safety equipment will ensure it works effectively and will extend its service life.

Cleaning Nylon & Polyester

- Clean off the surface dirt with a water-dampened wipe.
- Dip the wipe in a mild solution of water, soap, or detergent; work it up into a thick lather; and clean the item.
- Wipe with a clean cloth and hang to dry away from excessive heat, steam, or sunlight.

In Case of a Dropped Tool

- The tool and its lanyard should be inspected for damage and checked for correct functioning.
- Any defective tool or lanyard should be immediately taken out of service.
- All incidents should be reported to your safety coordinator and to Python Safety at support@pythonsafety.com.

Read Tether Ready Online

Get the most up to date version of Tether Ready by reading the free digital copy online:
http://PythonSafety.com/tether-ready/
When to use Quick Rings

- When there are pre-drilled holes in a tool, or when a quick ring can be fitted around a tool in such a way where it cannot slide off. Never modify a tool in a way that would void the manufacturers warranty.
- When a tool weighs less than 2lbs (0.9kg).

When NOT to use Quick Rings

- When a tool weighs over 2lbs (0.9 kg).
- When there is no pre-drilled hole that a Quick Ring can be fitted through, or when a Quick Ring cannot be fitted onto a tool in such a way that the Quick Ring cannot slide off.
- When a non-conductive solution is needed (See Non-conductive D-Ring on Pg. 16).

Quick Ring 0.75"
Max Load: 2lbs (0.9kg)
QR-00.75

Quick Ring 1"
Max Load: 2lbs (0.9 kg)
QR-01

Quick Ring 1.5"
Max Load: 2lbs (0.9kg)
QR-01.5

IMPORTANT: Inspect before use. Never connect to anything over 2lbs (0.9 kg).

4 Tether Ready
Usage Instructions

**STEP 1** Use split ring pliers to separate the Quick Ring so it can be threaded through an attachment point.

**STEP 2** Begin threading the Quick Ring through the attachment point with the pliers. Continue to thread the tool through by hand.

**STEP 3** After installation, check for damage of tool or Quick Ring. If either the tool or Quick Ring is damaged, replace that component.

**IMPORTANT:** Inspect before use. Never connect to anything over 2 lbs (0.9 kg).
Quick Spins

Quick Spin Small
Max Load: 1lb (0.5kg)
QS-S

Quick Spin Medium
Max Load: 1lb (0.5kg)
QS-M

Quick Spin Large
Max Load: 1lb (0.5kg)
QS-L

Quick Spin XLarge
Max Load: 1lb (0.5kg)
QS-XL

Quick Spin Pen Holder
QS-P

Quick Spin Pen Holder with Coil
QS-PCOIL

Quick Spin Permanent Marker Holder
QS-PM

Quick Spin Permanent Marker Holder with Coil
QS-PMCOIL

Quick Spin Permanent Marker Safety Cap
QS-PMCAP

**IMPORTANT:** Inspect before use. Max weight load of 1lb (0.5kg).

✅ When to use Quick Spins
- On tools under 1lb (0.5kg) where the Quick Spin will fit tightly on a handle.
- When a non-conductive attachment point is necessary.

❌ When NOT to use Quick Spins
- Tools over 1lb (0.5kg)
- Do not use a Quick Spin if a snug fit cannot be secured.
**Usage Instructions**

**STEP 1** Identify a Quick Spin Adaptor that will properly fit the handle of the tool.

**STEP 2** Push and twist the Quick Spin onto the tool. Some force should be necessary to create a snug fit.

**STEP 3** Ensure that the Quick Spin is firmly in place before use.

**IMPORTANT:** Inspect before use. Never connect to anything over 1lbs (0.5kg).
When to use a D-Ring Cord Attachment

- For tools weighing up to 5 lbs (2.3 kg).
- For creating quick attachment points on a variety of tools.
- On tools with closed handles, or with pre-drilled holes.

When NOT to a D-Ring Cord Attachment

- For tools weighing over 5 lbs (2.3kg).
- When a non-conductive attachment point is needed, use a Quick Spin (Pg. 8), or Non-conductive D-Ring (Pg. 16).
- When the attachment will interfere with the safe working condition of the tool.

D-Ring Cord Attachment
Max Load: 5lbs (2.3kg)
DR-CORD

IMPORTANT: Inspect before use. Never connect to anything over 5 lbs (2.3kg).
**Usage Instructions (Closed Handled Tools)**

**STEP 1** Ensure that cinching the D-Ring Cord to the handle of your tool will not interfere with the safe working condition of the tool.

**STEP 2** Pass the cord end of the D-Ring Cord through the handle of the tool.

**STEP 3** Pass the Ring side of the D-Ring Cord through the loop of the Cord.

**STEP 4** Pull tightly to cinch and create a secure connection.

**Usage Instructions (Pre-drilled holes)**

**STEP 1** Ensure that cinching the D-Ring Cord to the tool will not interfere with the safe working condition of the tool.

**STEP 2** Pass the cord end of the D-Ring Cord through the pre-drilled hole in the tool.

**STEP 3** Pass the Ring side of the D-Ring Cord through the loop of the Cord.

**STEP 4** Pull tightly to cinch and create a secure connection.
When Quick Rings (Pg. 4), Quick Spins (Pg. 8) and D-Ring Cord Attachments (Pg. 12) aren't appropriate solutions for creating attachment points, Python Safety D-Rings are usually the best choice.

D-Rings can be attached to tools using Python Safety Quick Wrap Tape (Pg. 18) to create quick and dependable attachment points.

- **D-Ring 0.5" x 2.25" Non-conductive**
  Max Load: 2lbs (0.9kg)
  DR-0.5x2.25NC

- **D-Ring 0.5" x 2.25"**
  Max Load: 2lbs (0.9kg)
  DR-0.5x2.25

- **D-Ring 1" x 3.5"**
  Max Load: 5lbs (2.3kg)
  DR-1x3.5

**When to use D-Rings and Quick Wrap Tape**

- For tools weighing up to 5lbs (2.3kg) depending on the D-Ring.
- When a non-conductive attachment point is needed for tools up to 2lbs (0.9kg).
- When Quick Rings, Quick Spins, and D-Ring Cord Attachments won't work. Many tools do not have pre-drilled holes for Quick Rings, and lack handles that a Quick Spin will fit.

**When NOT to use D-Rings and Quick Wrap Tape**

- When a tool is over 5lbs (2.3kg).
- For some tools with unusual handles where a Python Tool Cinch (Pg. 22) or D-Ring Cord (Pg. 12) may work better.
- When a D-Ring will interfere with the safe working condition of the tool.
**When to use Quick Wrap Tape**

- For use with D-Rings (Pg. 16) and Python Tool Cinch Attachments (Pg. 22).

**When NOT to use Quick Wrap Tape**

- When used with a Python D-Ring (Pg. 16), never use with tools that exceed 5lbs (2.3kg).
- When used with a Python Tool Cinch (Pg. 22), never use with tools that exceed 35lbs (15.9kg).

**Quick Wrap Blue Heavy Duty 1" Wide**
QW-HDBLU1

**Quick Wrap Green Heavy Duty 1" Wide**
QW-HDGRN1

**Quick Wrap Yellow Heavy Duty 1" Wide**
QW-HDYLW1

**Quick Wrap Blue Heavy Duty 1" Wide 2X Length**
QW-HDBLU1X2

**Quick Wrap Blue Heavy Duty 2" Wide**
QW-HDBLU2

**IMPORTANT:** Inspect before use. *Quick Wrap Tape is designed to be used with Python Safety D-Rings (Pg. 16) and Python Safety Tool Cinch Attachments (Pg. 22). Never connect a Python Safety attachment point to a tool that exceeds the load rating.*
Quick Wrap Tape & D-Rings

### Usage Instructions

**STEP 1** Cut a strip of Python Quick Wrap approximately 12 to 24 inches long depending on the size of the handle. Peel plastic coating away from wrap. Tape should wrap 10-12 times around the tool.

*NOTE: Never use the D-Ring with Python Quick Wrap on the tapered portion of a tool.*

**STEP 2** Place a D-Ring attachment so that the ring of the D-Ring is facing away from the center of gravity of the tool. Ensure that when installed, the D-Ring will not interfere with the safe working condition of the tool. Make sure the tool is free of debris which would interfere with the bonding of the Python Quick Wrap.

**STEP 3** Wrap the tape around the tool while stretching the tape. It is critical to stretch the tape while wrapping, as this activates the tape and causes it to self-vulcanize creating a secure connection.

**STEP 4** Once the connection is complete, test the connection to ensure proper installation has taken place.

*NOTE: Remember to always inspect the connection prior to each use for damage or irregularities that might affect the connection. Apply approximately 5lbs of force when inspecting.*

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#### Videos

*How to create attachment points with Quick Wrap Tape and D-Rings*

[http://pythonsafety.com/videos/quick-wrap-tape-and-d-rings/]
When to use a Tool Cinch

- Tools weighing up to 35lbs (15.9kg) unless otherwise stated.
- On difficult to tether tools such as pinch bars, torque wrenches, clamps, and many closed handled tools.

When NOT to use Tool Cinch

- Do not use a Python Tool Cinch on tools over 35lbs (15.9kg).
- When a Tool Cinch will interfere with the safe working condition of the tool.

**Tool Cinch Dual Wing Medium Duty**

Max Load: 35lbs (15.9kg)

VR-2ATTACHMD

Usage Instructions

**STEP 1** Select a Tool Cinch Attachment that is appropriate for your tool. For closed handled tools, a Tool Cinch without stabilizer wings will work. Otherwise, a Tool Cinch with stabilizer wings is necessary (such as the VR-2ATTACHMD or VR-1ATTACHMD).

**STEP 2** Pass the Ring end of the cinch through the loop end, and cinch around your tool.

**STEP 3** If using a Tool Cinch with wings, use Quick Wrap Tape to hold the Tool Cinch in place. See instructions for Quick Wrap Tape on page 20.

**STEP 4** Once the connection is complete, test the connection to ensure proper installation has taken place.

*NOTE: Remember to always inspect the connection prior to each use for damage or irregularities that might affect the connection.*

Learn more online:
Find more Python Safety Tool Cinch Attachments online at PythonSafety.com
Heat Shrink

When to use Heat Shrink

- Used on top of Python Quick Wrap Tape (Pg. 18) to create a more abrasive resistant attachment point.

When NOT to use Heat Shrink

- In temperatures exceeding 130 degrees fahrenheit.

**Shrink Link 0.75” x 1.75”**
HS-0.75x1.75

**Shrink Link 1.5” x 3”**
HS-1.5x3

**Shrink Link 1” x 1.75”**
HS-1x1.75

**Shrink Link 2” x 4”**
HS-2x4

**Shrink Link 1.5” x 2”**
HS-1.5x2

**Shrink Link 3” x 4”**
HS-3x4

**IMPORTANT:** Inspect before use. Python Safety Heat Shrink is designed to be used with Python Safety D-Rings (Pg. 16) and Python Safety Tool Cinch Attachments (Pg. 22). Never connect a Python Safety attachment point to a tool that exceeds the load rating.
**Usage Instructions**

**STEP 1** Make sure the tool is clean and free of debris. If there is a detachable handle, ensure the handle is secure. If the handle is loose, detach before applying Heat Shrink.

**STEP 2** Attach a D-Ring using Quick Wrap Tape to the tool, as shown on page 20.

**STEP 3** Slide Heat Shrink over the D-Ring and Quick Wrap Tape. Ensure that the Heat Shrink covers as much of the D-Ring as possible without covering the ring itself.

**STEP 4** Wearing heat resistant gloves, use a Heat Gun to evenly apply heat to the Heat Shrink being careful not to burn the webbing of the D-Ring or Heat Shrink itself. Allow the Heat Shrink to completely shrink around the tool and D-Ring. An adhesive inside the Heat Shrink should begin to appear around the edges of the Heat Shrink. Do not apply any additional adhesives to Heat Shrink.

**STEP 4** Let cool approximately five minutes before using. Refrain from pulling or tugging on the connection until completely cooled.

**STEP 5** Once the connection is complete, test the connection to ensure proper installation has taken place.

**NOTE:** Remember to always inspect the connection prior to each use for damage or irregularities that might affect the connection. Apply approximately 5lbs of force when inspecting.
Hook2Hook Coil Tether
EXT-H2HCOIL
The Python Safety Hook2Hook Coil Tether stays out of the way when not needed and is fully wipeable. Load rated for 5lbs (2.3kg).

Clip2Clip Coil Tether
EXT-C2CCOIL
The Python Safety Clip2Clip Coil Tether stays out of the way when not in use and is load rated for 2lbs (0.9kg).

Hook2Loop Bungee Tether
EXT-H2LBUNGEE
The Hook2Loop Bungee Tethers is another popular tether choice. Load rated for 10lbs (4.5kg).

Trigger to Trigger Tethers
Trigger to Trigger tethers are available in lengths up to 36" and come in standard and non-conductive variants.

<table>
<thead>
<tr>
<th>Standard</th>
<th>Non-conductive</th>
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<tbody>
<tr>
<td><strong>MAX LOAD:</strong> 10lbs (4.5kg)</td>
<td><strong>MAX LOAD:</strong> 2lbs (0.9kg)</td>
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Heavy Duty Hook2Loop Tether (1" x 72")
EXT-H2L1X72HD
The Heavy Duty Hook2Loop Tether (1" x 72") is just one of the heavy duty tool tethers offered by Python Safety. Load Rated for 80lbs (36.3kg).

Hard Hat Tether
EXT-HARDHAT
The Hard Hat Tether connects easily to a hard hat, and stays out of the way of the user.

More Lanyards and Tethers
There are more tethers and tool lanyards available from Python Safety. Make sure to follow any guidelines and warnings provided with other products before use.

**IMPORTANT:** Always inspect tethers before use. Not all tethers are made for human use. No Python Safety tether should ever be used as fall protection for humans. Never connect multiple tethers together (ie: daisy chain). Never connect more than 5lbs (2.3kg) to any individual tether attached to a person.

Learn more online:
Find more tool lanyards and tethers online at PythonSafety.com
Wristbands

Pullaway Wristbands
Max Load: 5lbs (2.3kg)
WB-S, WB-M, WB-L

Pullaway Wristbands Slim Profile
Max Load: 5lbs (2.3kg)
WB-SLIM-S, WB-SLIM-M, WB-SLIM-L

Adjustable Wristband
Max Load: 5lbs (2.3kg)
WB-ADJ

Retractable Wristband
Max Load: 1.5lbs (0.7kg)
WB-ADJRET

Adjustable Wristband with Cord
Max Load: 5lbs (2.3kg)
WB-ADJCORD

Tool Belts

Tool Belt with Trigger Snaps
BELT-TRIG

Comfort Tool Belt
BELT-COMFORT (available in S, M, L, XL, 2XL, 3XL)

Belt Loop D-Ring
DR-BLTLOOP1
The Belt Loop D-Ring is a connection point for tool lanyards. Easily fits onto a belt, or harness. A tool lanyard can be attached to the D-Ring, with the other end of the lanyard attached to a tool currently being used.
Max Load: 5lbs (2.3kg)

Belt Loop Trigger
EXT-T2L1X4
The Belt Loop Trigger is used to stage tools until they are needed. A viable alternative to a tool holster when an ordinary holster isn't necessarily the right solution.
Max Load: 5lbs (2.3kg)

Learn more online:
Find more wristbands online at PythonSafety.com
Find the right holster on PythonSafety.com
Python Safety offers a wide select of holsters to accommodate nearly any hand tool. To learn more about available holsters, please visit PythonSafety.com.

Small Parts Pouches
PCH-PARTS (Multiple versions available, see PythonSafety.com)
Designed with Drop Prevention in mind, the patented Python Safety Small Parts Pouch stops accidental drops the moment something is put inside. With an innovative self-closure system that traps objects inside, the Small Parts Pouch makes it nearly impossible for objects to fall out once placed in the bag, while making it easy for retrieval by the user since no opening or closing is necessary.

Videos
Small Parts Pouch Product Demo
http://pythonsafety.com/products/small-parts-pouches/

Learn more online:
Find more Python Safety tool pouches online at PythonSafety.com
Safe Buckets

**Safe Bucket 100lb Load Rated Canvas Hook and Loop**
Max Load: 100lbs (45.4kg)
BKT-100HLC-L

**Safe Bucket 250lb Load Rated Durahide Hook and Loop**
Max Load: 250lbs (113.4kg)
BKT-250HLD-L

Scaffold Buckets

Python Safety offers multiple sizes of buckets specially designed for the transportation of scaffold poles. Learn more online at PythonSafety.com

**Scaffold Pole Bucket 48”**
BKT-48SCAF

**Scaffold Pole Bucket 72”**
BKT-72SCAF

**Scaffold Pole Bucket 120”**
BKT-120SCAF

**Learn more online:**
Find more Safe Buckets at PythonSafety.com
Falling Objects: Deflection Diagram

- **Wrench**
  - Velocity: 36.7 mph
  - Distance: 66.3 ft
  - Vertical Height: 31.9 ft
  - Drop Height: 25 ft

- **25 Foot Drop**
  - Velocity: 59.9 mph
  - Distance: 21.8 ft
  - Vertical Height: 31.9 ft
  - Drop Height: 25 ft

- **100 Foot Drop**
  - Velocity: 81.1 mph
  - Distance: 41.9 ft
  - Vertical Height: 80.3 ft
  - Drop Height: 20 ft

Wrench can deflect after hitting a bar 20 feet off the ground. Observe how far an object will fall and the distance it will travel during its descent.
Zero Drops? **Challenge Accepted.**
At Python Safety, our mission is to prevent dropped tools and equipment. We make work environments safer and more productive by eliminating incidents resulting in personal injury, equipment damage, and tool loss. To accomplish our goals, we engineer high quality products that are third-party tested in the harshest possible conditions. Customers love to use our products because they are designed with the craft in mind. Python Safety is the gold standard in drop prevention.

Get the latest version of Tether Ready Online:
http://pythonsafety.com/tether-ready/

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