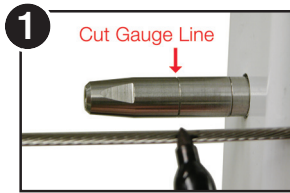


# Installation Instructions for the Swageless Quick-Connect® Cable Hardware.

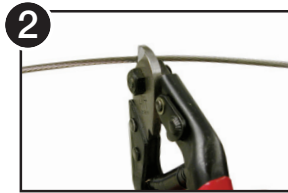
## Using the Cut Gauge Line



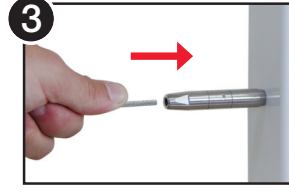
Use the Cut Gauge Line on the Quick-Connect® body to locate and mark the cable for proper trim length. This is typically used when attaching the second in a pair of end fittings.



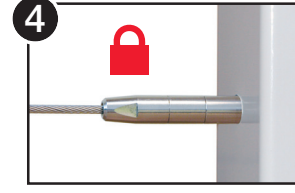
Stretch the cable tight. Mark with felt pen at Cut Gauge Line.



Trim cable at the mark.



Insert cable as far as it will go into fitting. If cable is too long, remove it using a Release Tool and trim as needed.



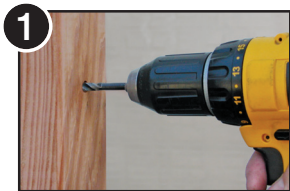
Quick-Connect® Jaws lock onto cable automatically. Tighten the cable line using the tension adjustment fitting.

## Protection Seals are Important!

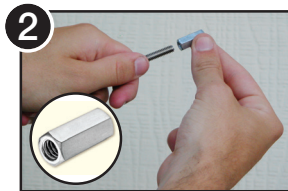
Please make sure and attach the protection seals that come with your Quick-Connect® fitting to protect the long term performance of your CableRail system. *Installation Tip!* Use a silicone spray to lubricate the protection seals for easier installations.

## Installing Quick-Connect® Lag Fitting

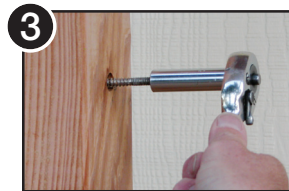
The Pivot Fitting is comprised of a Quick-Connect® body and a stainless steel Hanger Bolt. The Hanger Bolt needs to be installed prior to the Quick-Connect® body. **DO NOT** attempt to install the Hanger Bolt with the Quick-Connect® Fitting attached, or you may damage the fitting.



Drill 7/64" pilot hole (7/32" hole for 3/16" fitting). Harder woods may need larger hole.



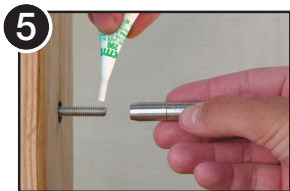
Spin Hanger Bolt Installation Tool onto the end of the bolt.



Drive Hanger Bolt into post using socket or electric drill.



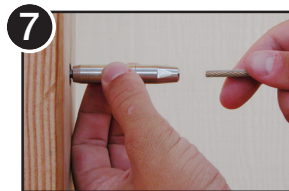
Drive until threaded section protrudes approx. 1" from post face.



Apply a drop of high strength thread locking compound to threads.



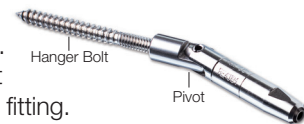
Spin Quick-Connect® onto Hanger Bolt until it bottoms out.



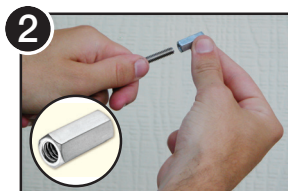
Insert cable all the way into Quick-Connect® fitting until it stops. Jaws will lock automatically.

## Installing Quick-Connect® Pivot Fitting

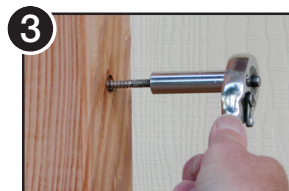
The Pivot Fitting is comprised of a Quick-Connect® body and a stainless steel Hanger Bolt. The Hanger Bolt needs to be installed prior to the Quick-Connect® body. **DO NOT** attempt to install the Hanger Bolt with the Quick-Connect® Fitting attached, or you may damage the fitting.



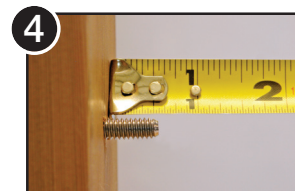
Drill 7/64" pilot hole (7/32" hole for 3/16" fitting). Harder woods may need larger hole.



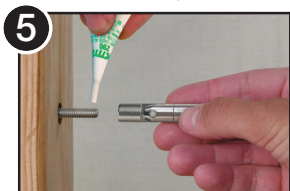
Spin Hanger Bolt Installation Tool onto the end of the bolt.



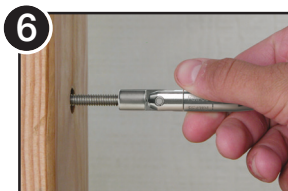
Drive Hanger Bolt into post using socket or electric drill.



Drive until threaded section protrudes approx. 1/2" from post face.



Apply a drop of high strength thread locking compound to threads.



Spin Quick-Connect® onto Hanger Bolt until it bottoms out.



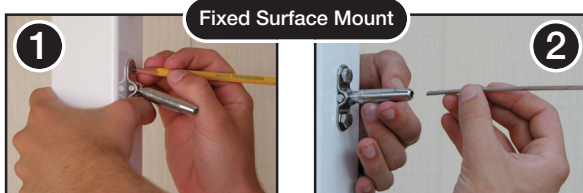
Insert cable all the way into Quick-Connect® fitting until it stops. Jaws will lock automatically.

**feeney**  
makes it easy

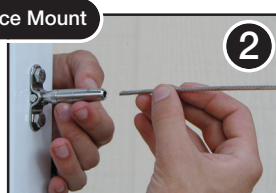
www.feeneyinc.com/QCinstall  
Toll free: 800-888-2418

File #2014-751C

## Installing the Quick-Connect® Fixed Surface Mount & Fixed Jaw Ends



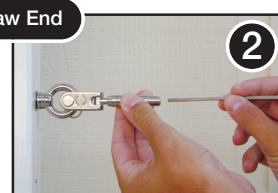
**1**  
Measure, mark and drill pilot holes. Bolt/screw Surface Mount Fitting to wall.



**2**  
Insert cable all the way into Quick-Connect® fitting until it stops. Jaws lock automatically.



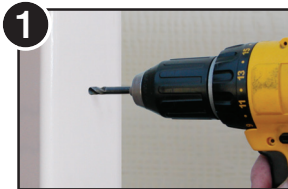
**1**  
Install eyebolt. Remove clevis pin and install Quick-Connect® Fixed Jaw fitting.



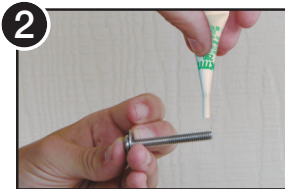
**2**  
Insert cable all the way into Quick-Connect® fitting until it stops. Jaws lock automatically.

## Installing the Quick-Connect® Internal Thread Adjuster

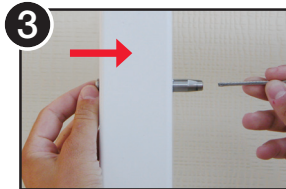
The Internal Thread Adjuster is comprised of a Quick-Connect® body and a stainless steel machine bolt; bolts are available in several different lengths.



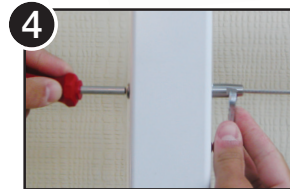
**1**  
Drill 5/16" hole through your post. Counterbore with 1/2" drill on inside face if embedding Quick-Connect® body. (Use 3/8" & 5/8" drills for 3/16" fitting)



**2**  
Apply a non-permanent thread locking compound to threads.



**3**  
Thread bolt through post and 1/2" into Quick-Connect® fitting. Insert cable all the way into Quick-Connect® fitting, until it stops.



**4**  
Tighten the bolt to tension the line. Use wrench to prevent the Quick-Connect® from rotating during tensioning.



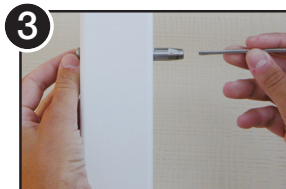
## Installing the Quick-Connect® Threaded Terminal



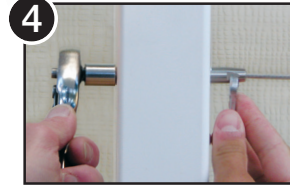
**1**  
Drill 5/16" hole through your post. Counterbore with 1/2" drill on inside face if embedding Quick-Connect® body. (Use 3/8" & 5/8" drills for 3/16" fitting)



**2**  
Attach washer and nut, leaving room for final tensioning of fitting & cable.



**3**  
Insert cable all the way into Quick-Connect® fitting until it stops. Jaws lock automatically.



**4**  
Tighten the nut to tension the line. Use wrench to prevent the Quick-Connect® from rotating during tensioning.

## Installing Quick-Connect® Expansion Anchor

The Expansion Anchor Fitting is comprised of a Quick-Connect® body and a stainless steel Expansion Anchor Bolt. Install the Anchor prior to attaching the Quick-Connect® body. **DO NOT** attempt to install the Anchor Bolt with the Quick-Connect® Fitting attached, or you may damage the fitting.



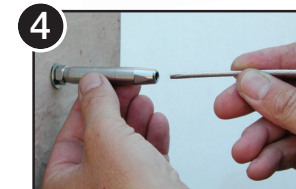
**1**  
Drill 1/4" hole with masonry bit to 1-1/2" (minimum) depth. Blow debris out of hole.



**2**  
Carefully tap the Expansion Bolt until the machine threads protrude 3/4".



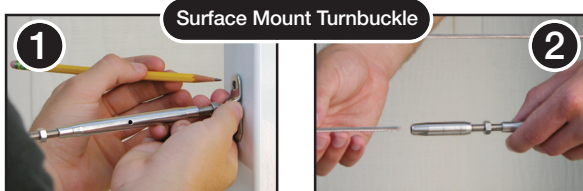
**3**  
Tighten nut to set the anchor. Apply a high strength thread locking compound to threads. Spin Quick-Connect® fitting onto Expansion Bolt until it bottoms out.



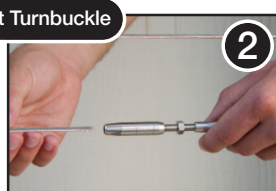
**4**  
Insert cable all the way into Quick-Connect® fitting until it stops. Jaws will lock automatically.

## Installing Quick-Connect® Turnbuckle Fittings

Before installing a Quick-Connect® Surface Mount Turnbuckle or Jaw Turnbuckle fitting, adjust the length of the turnbuckle so that it's set in mid-position (halfway between fully open and fully closed). This will allow optimal adjustment flexibility. The Quick-Connect® Turnbuckle installation is identical to that of the Fixed Surface Mount and Fixed Jaw Fittings shown above.



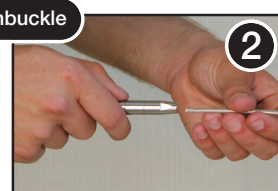
**1**  
Measure, mark and drill pilot holes. Bolt/screw Surface Mount Turnbuckle to wall.



**2**  
Insert cable all the way into Quick-Connect® fitting until it stops. Jaws lock automatically. Spin turnbuckle body to tighten the line.



**1**  
Install eyebolt. Remove clevis pin and install Quick-Connect® Fixed Jaw Turnbuckle.



**2**  
Insert cable all the way into Quick-Connect® fitting until it stops. Jaws lock automatically. Spin turnbuckle body to tighten the line.

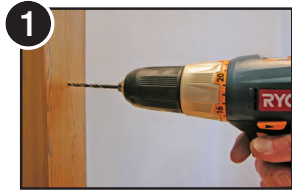


# Installation Steps for Quick-Connect® Swivel Turnbuckles

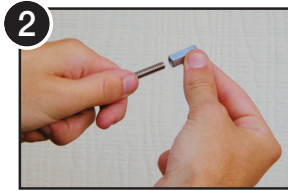
Note: We recommend attaching the non-adjustable fixed-style end fittings before attaching the tension-adjustment-style fittings shown below.



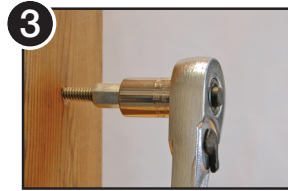
## Installing the Quick-Connect® Lag Swivel Turnbuckle



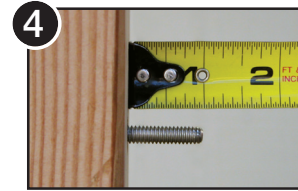
1 Drill 7/64" (7/32" for 3/16" fitting) pilot hole. Harder woods may need larger hole.



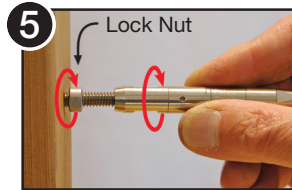
2 Spin Hanger Bolt Installation Tool onto the end of the bolt.



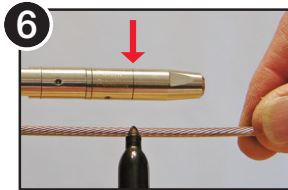
3 Drive Hanger Bolt into post using socket or electric drill.



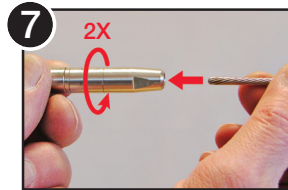
4 Drive until threaded section protrudes 1" from post face.



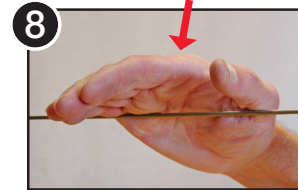
5 Spin the turnbuckle lock-nut onto the exposed threads. Then attach Quick-Connect® and rotate the body 4 full turns.



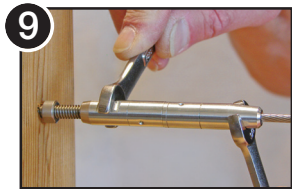
6 Stretch cable tight across fitting and mark at Cut Gauge Line. Cut cable at mark.



7 Loosen the swivel component 2 full turns and insert cut cable end as far as it will go into the fitting; the jaws will automatically lock on.



8 Hand tighten the turnbuckle as far as possible, then swiftly hit the cable line with your palm several times to ensure that jaws are securely seated.



9 Use wrenches to tighten the Quick-Connect® to desired final tension.



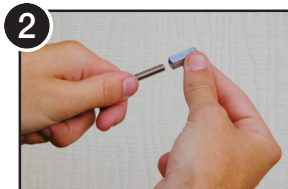
10 Tighten the lock-nut against the swivel component to prevent the fitting from loosening.



## Installing the Quick-Connect® Pivot Swivel Turnbuckle



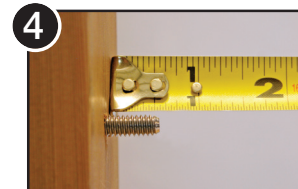
1 Drill 7/64" (7/32" for 3/16" fitting) pilot hole. Harder woods may need larger hole.



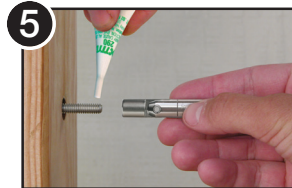
2 Spin Hanger Bolt Installation Tool onto the end of the bolt.



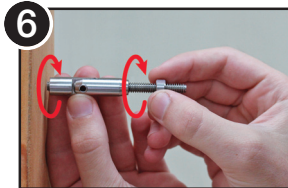
3 Drive Hanger Bolt into post using socket or electric drill.



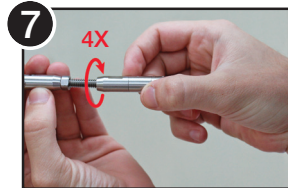
4 Drive until threaded section protrudes 1/2" from post face.



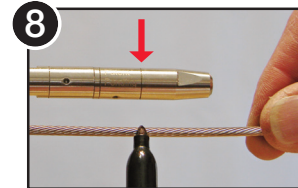
5 Apply a drop of high strength thread locking compound to machine threads of the hanger bolt.



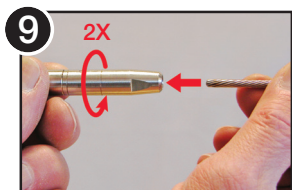
6 Spin the pivot component all the way onto the hanger bolt. Make sure the lock-nut is all the way on the threads.



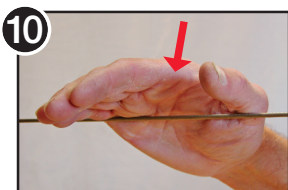
7 Attach the QC swivel component to the threads with 4 spins. Do NOT add the Locktite to these threads, or you will not be able to properly tension the cable.



8 Stretch cable tight across fitting and mark at Cut Gauge Line. Cut cable at mark.



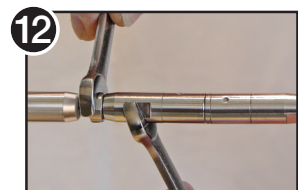
9 Loosen the swivel component 2 full turns and insert cut cable end as far as it will go into the fitting; the jaws will automatically lock on.



10 Hand tighten the turnbuckle as far as possible, then swiftly hit the cable line with your palm several times to ensure that jaws are securely seated.



11 Use wrenches to tighten the Quick-Connect® to desired final tension.

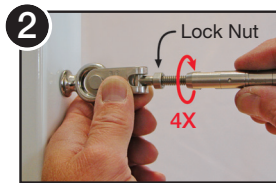


12 Tighten the lock-nut against the swivel component to prevent the fitting from loosening.

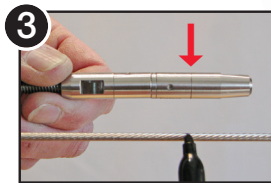
## Installing Quick-Connect® Jaw Swivel Turnbuckle



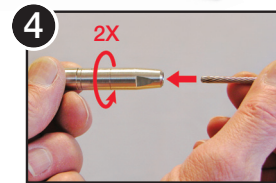
1 Install Jaw onto an eyebolt or eyelet using the removable clevis pin.



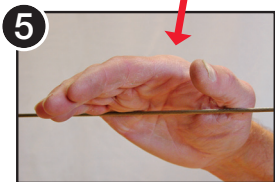
2 Spin the turnbuckle lock-nut onto the threads. Then attach the Quick-Connect® and rotate the body 4 full turns.



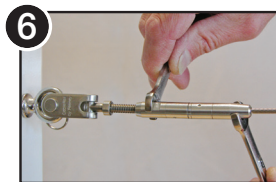
3 Stretch cable tight across fitting and mark at Cut Gauge Line. Cut cable at mark.



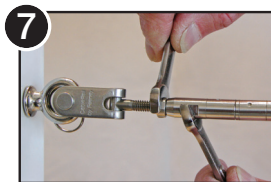
4 Loosen Quick-Connect® 2 full turns and insert cut cable end as far as it will go into the fitting; the jaws will automatically lock on.



5 Hand tighten the turnbuckle as far as possible, then swiftly hit the cable line with your palm several times to ensure that jaws are securely seated.



6 Use wrenches to tighten the Quick-Connect® to desired final tension.

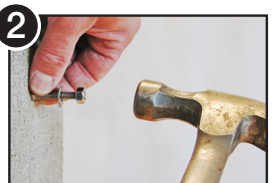


7 Tighten the lock-nut against the swivel component to prevent the fitting from loosening.

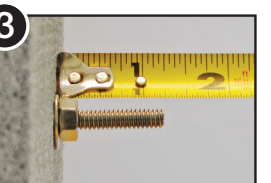
## Installing the Quick-Connect® Expansion Anchor Swivel Turnbuckle



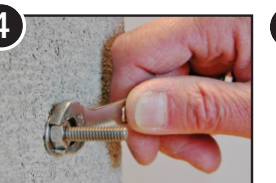
1 Drill 1/4" hole with masonry bit to 1-1/4" (minimum) depth. Blow debris out of hole.



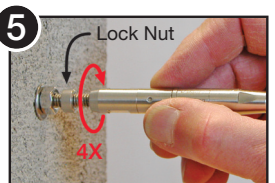
2 Carefully tap the Expansion Anchor (with washer and anchor nut).



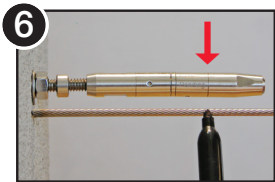
3 Tap until approximately 1-1/4" of the threaded shaft protrudes from the wall.



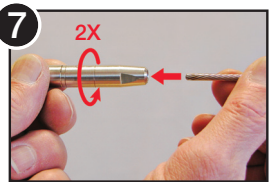
4 Use 7/16" wrench to tighten anchor nut until anchor is properly seated and locked.



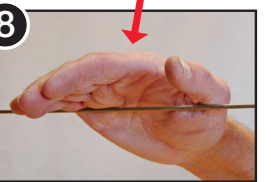
5 Spin the turnbuckle lock-nut onto the exposed threads. Then attach Quick-Connect® and rotate the body 4 full turns.



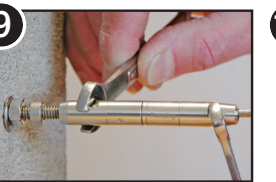
6 Stretch cable tight across fitting and mark at Cut Gauge Line. Cut cable at mark.



7 Loosen Quick-Connect® 2 full turns and insert cut cable end as far as it will go into the fitting; the jaws will automatically lock on.



8 Hand tighten the turnbuckle as far as possible, then swiftly hit the cable line with your palm several times to ensure that jaws are securely seated.



9 Use wrenches to tighten the Turnbuckle to desired final tension.



10 Tighten the lock-nut against the swivel component to prevent the fitting from loosening.

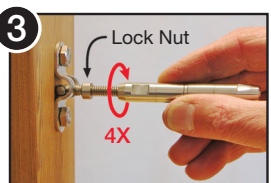
## Installing the Quick-Connect® Surface Mount Swivel Turnbuckle



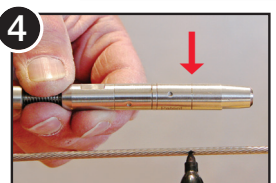
1 Measure, mark, and drill pilot holes.



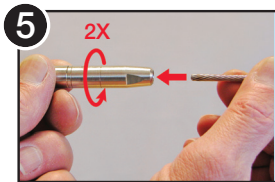
2 Bolt/screw Surface Mount fitting to wall/post (bolts or screws sold separately)



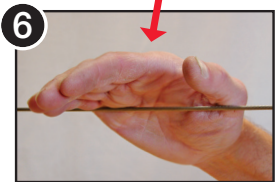
3 Spin the turnbuckle lock-nut onto the exposed threads. Then attach Quick-Connect® and rotate the body 4 full turns.



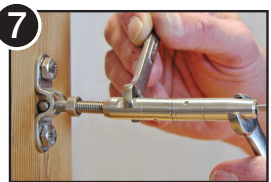
4 Stretch cable tight across fitting and mark at Cut Gauge Line. Cut cable at mark.



5 Loosen Quick-Connect® 2 full turns and insert cut cable end as far as it will go into the fitting; the jaws will automatically lock on.



6 Hand tighten the turnbuckle as far as possible, then swiftly hit the cable line with your palm several times to ensure that jaws are securely seated.



7 Use wrenches to tighten the Quick-Connect® to desired final tension.



8 Tighten the lock-nut against the swivel portion to prevent the fitting from loosening.

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