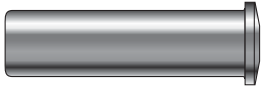


Push-Lock Stop-End (non-tensioning) Fittings Installation Instructions



A. Push-Lock®



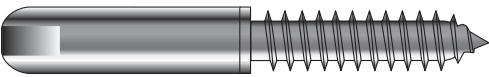
B. Push-Lock® Threaded Eye



C. Original Push-Lock® Lag
Available through 2016



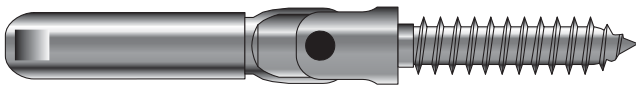
D. Original Push-Lock® Threaded Bolt
Available through 2016



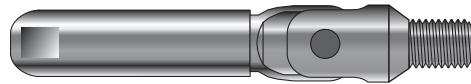
E. NEW Push-Lock® Lag



F. NEW Push-Lock® Threaded Bolt



G. NEW Push-Lock® with Lag Clevis



H. NEW Push-Lock® Threaded Clevis

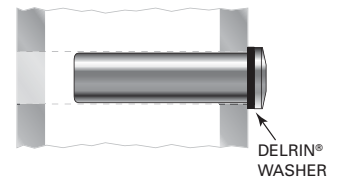
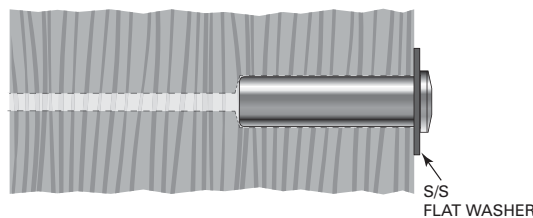


I. NEW Push-Lock® Concrete Anchor Bolt

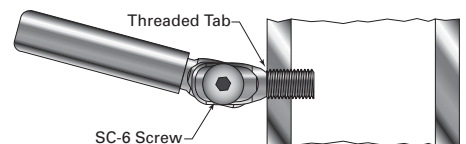
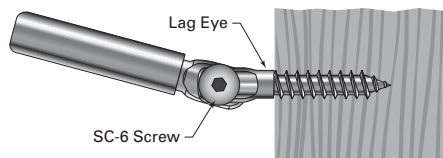
Install tensioning end of run to one end post and run cables through intermediate posts before installing Push-Lock fitting.

1. Make sure the holes are drilled properly in the end post where you will be installing the Push-Lock fitting.
If you are installing the Push-Lock fittings in a metal railing, see Metal Railings/Hardware Mounting Holes/Boring Guide for boring instructions for your end post.
If you are using wood end posts, see "Wood Railings-Mounting Alternatives" on pages 10-12 for hole sizes and depths.

- 2A. Slip the washer over the body of the fitting (7/16 SAE washer for wood posts, black Delrin® washer for metal posts), then slide the Push-Lock fitting into the hole in your end post with the hole in the fitting facing the inside (cable side) of the post.



- 2B. If you are using the Push-Lock with Threaded Eye, attach the threaded tab or lag eye to the end post and connect the Push-Lock with Threaded Eye with a screw.



Push-Lock Fittings (continued)

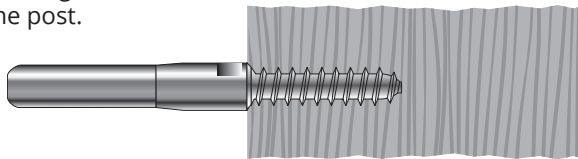
2C. If you are using an original Push-Lock Lag, use a hex wrench to install the lag section of the fitting into your pre-drilled hole.



Then thread the Push-Lock coupler onto the lag.



Make sure the post side of the Push-Lock Lag is flush against the post.



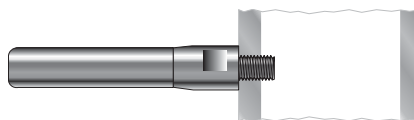
2D. If you are using an original Push-Lock Threaded Bolt, hand-turn the fitting into your post hole pre-drilled and tapped to 5/16-24.



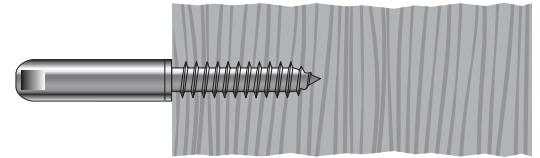
Then tighten with a 7/16" (or crescent) wrench.



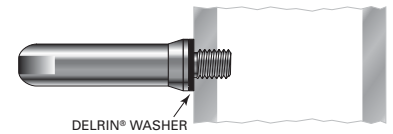
Make sure the post side of the Push-Lock Threaded Bolt is flush against the post.



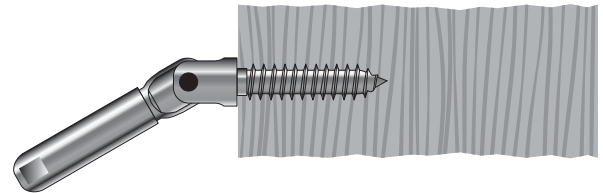
2E. If you are using the new Push-Lock Lag, place lag thread into pre-drilled hole and drive lag thread into wood post using 3/8" open-end wrench on wrench flats milled into body of fitting. Stop turning when shoulder on fitting between lag thread and body makes contact with wood post.



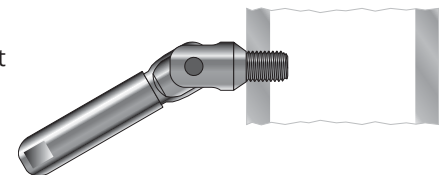
2F. If you are using the new Push-Lock Threaded Bolt, place a black Delrin® washer over the threaded bolt. Turn the fitting into the pre-drilled and tapped 5/16-24 hole in the post using 3/8" open-end wrench on wrench flats milled into body of fitting. Stop turning when shoulder on fitting between threaded bolt and body makes contact with metal post.



2G. If you are using a Push-Lock with Lag Clevis, place lag thread into the pre-drilled hole and drive lag thread into wood post using the articulating portion of the fitting as a lever to rotate the lag end of fitting. Stop turning when shoulder on fitting between lag thread and clevis makes contact with the wood post face. You may continue to rotate fitting up to 1/4 turn to properly orient the fitting. If the wood is too hard to rotate 1/4 turn clockwise, it may be backed off 1/4 turn to achieve proper orientation.

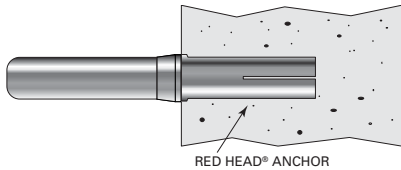


2H. If you are using a Push-Lock Threaded Clevis, hand turn the fitting into the pre-drilled and tapped 5/16-24 hole in the post using the articulating portion of the fitting as a lever to rotate the threaded end of fitting. Stop turning when shoulder on fitting between the thread and clevis makes contact with the metal post face. You may continue to rotate fitting up to 1/4 turn to properly orient the fitting.



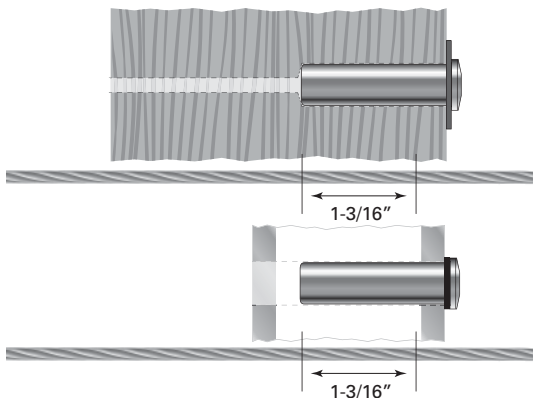
Push-Lock Fittings (continued)

- If you are using a Push-Lock Anchor Bolt, make sure the Red Head® anchor is properly installed into the concrete per the manufacturer's specifications. Once your Red Head is in place, simply thread the fitting into the Red Head anchor until tight.

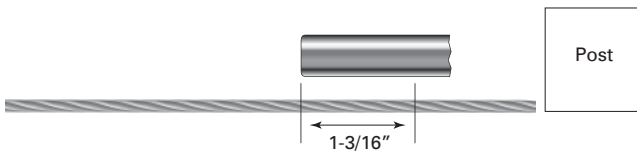


- Pull the cable tight and mark the cable at a point 1-3/16" from the end of the fitting opposite the eye/lag. Cut the cable at the mark, using a cable cutter.

A (Push-Lock through-the-post fitting):

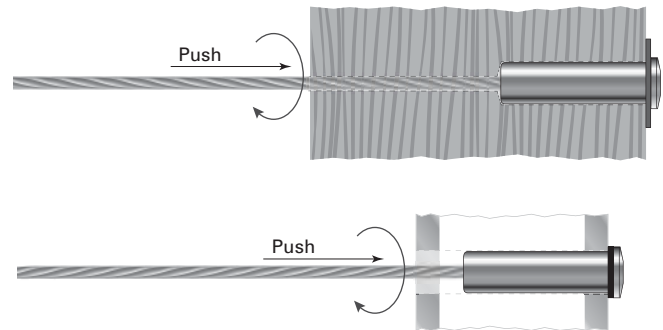


B through I (Push-Lock face-mount fittings):

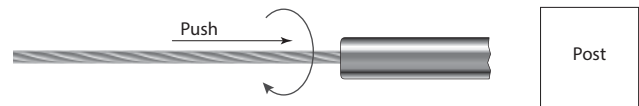


- Detach the tensioning device from the cable at the other end of the run to allow cable slack so you can perform the next step.
- Push the cable into the hole in the fitting as far as it will go (approximately 1-1/16"). Twist the cable clockwise as you push it into the fitting. You will feel it slide through the jaws inside the fitting. **FULL INSERTION OF THE CABLE IS CRITICAL TO FITTING PERFORMANCE UNDER TENSION.** (If applicable, you will receive a PL-Key with your order. This may aid in your cable installation. Please see instructions for use of the PL-Key at the end of this section).

A (Push-Lock through-the-post fitting):



B through I (Push-Lock face-mount fittings):



Note: If you have trouble inserting the cable into the fitting, it may be because the locking wedges have become stuck. This is not a defect! Here's what you can do to "free the wedges" —
For Pull-Lock or Push-Lock fittings for 1/8" cable, using either a PL-KEY or 1/4" diameter bolt, insert the PL-KEY or bolt into the hole and press until the wedges move freely. Perform the same operation for a 3/16" Pull-Lock or Push-Lock, except use a 16d nail or another tool with 1/8" or smaller diameter. Anything larger than what is recommended can actually get stuck inside the fitting - NOT what you want!

- Reattach the tensioning device at the other end. Tension all cables in sequence, beginning with the center cables, moving up and down toward the top and bottom. As you tension each cable, give it a sharp pull downward mid-span to help set the wedges, then re-tension as necessary in the same sequence.

