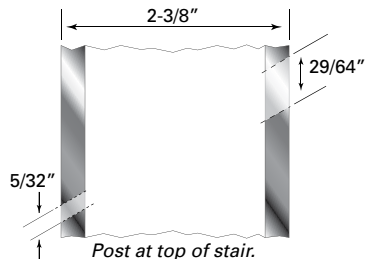


# Kit 224 Stair Series Installation Instructions for 2-3/8" Metal Posts

## Hole size for 1/8" dia. cable installation:

Drill 5/32" hole on the angle of the pitch clear through intermediate posts.

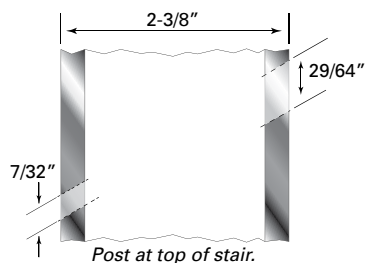
Drill 5/32" on the angle of the pitch on the inside of the post (where the cable goes through) and 29/64" hole on the angle of the pitch on the outside of the end posts (where the fittings go through).



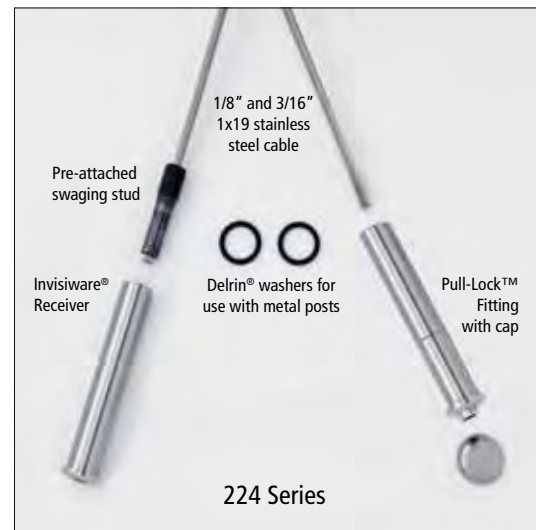
## Hole size for 3/16" dia. cable installation:

Drill 7/32" hole on the angle of the pitch clear through intermediate posts.

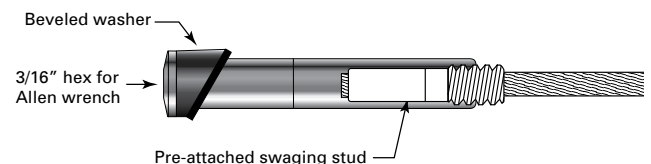
Drill 7/32" on the angle of the pitch on the inside of the post (where the cable goes through) and 29/64" hole on the angle of the pitch on the outside of the end posts (where the fittings go through).



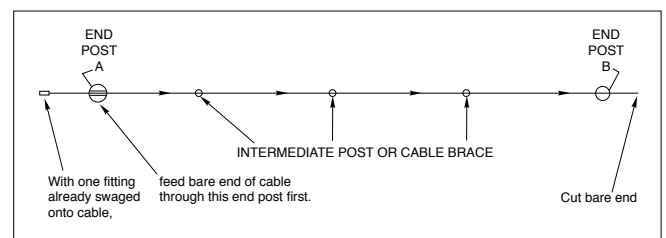
1. Install the tensioning end first with the 2-3/8" long Receiver at the bottom of the stair.
2. Slip the beveled washer and the Delrin washer over the body of the Receiver and insert the Receiver into the post.



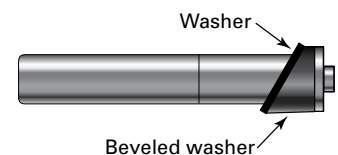
3. Start the threaded stud attached to the cable into the Receiver. Turn 3 complete turns. This will thread about 1/2 of the stud into the Receiver.



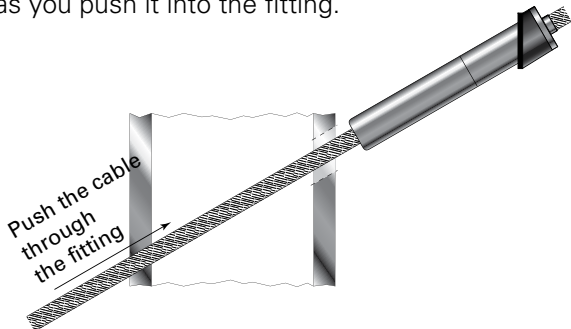
4. Feed the bare end of the cable from the back side of the bottom post, up the stair through all the intermediate posts, and through the top post where you will be installing the Pull-Lock fitting.



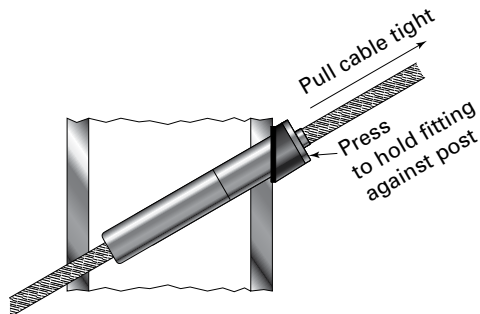
5. Slip the beveled washer and the Delrin washer over the body of the Pull-Lock fitting.



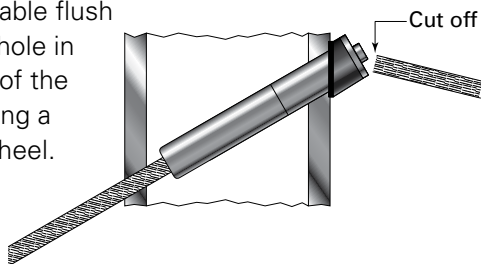
6. Push the cable into the hole in the front of the Pull-Lock fitting and pull the cable through. Twist the cable in the right hand direction as you push it into the fitting.



7. Push the Pull-Lock fitting along the cable and firmly into the hole in your post. Push it in as tightly as you can with your hand while pulling the cable through as tightly as you can.

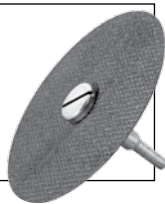


8. Cut the cable flush with the hole in the back of the fitting using a cut-off wheel.

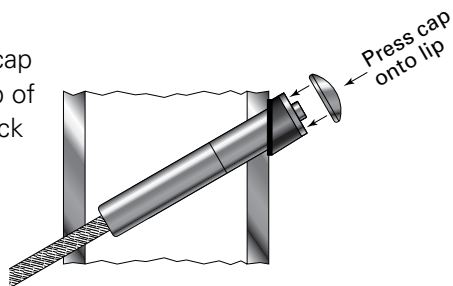


#### Cut-off Tool

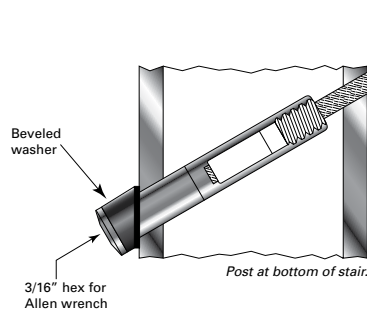
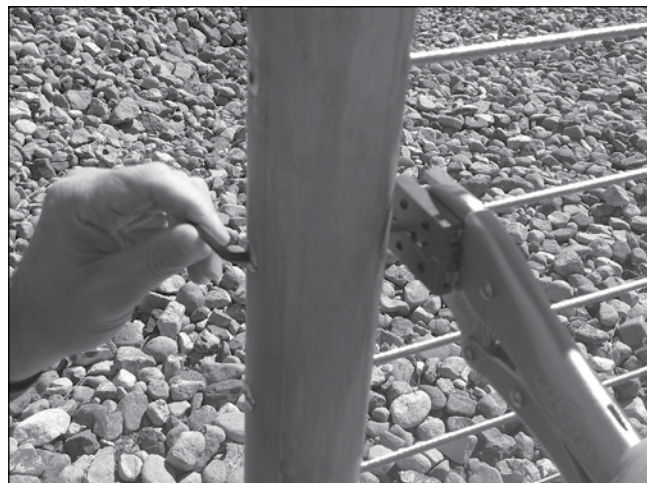
Used to cut cable flush with the end of the Pull-Lock fittings, and to cut excess threads off stud-type Receivers. Includes mandrel and two cut-off wheels. Order **CUT-OFF KIT**



9. Press the cap onto the lip of the Pull-Lock fitting.

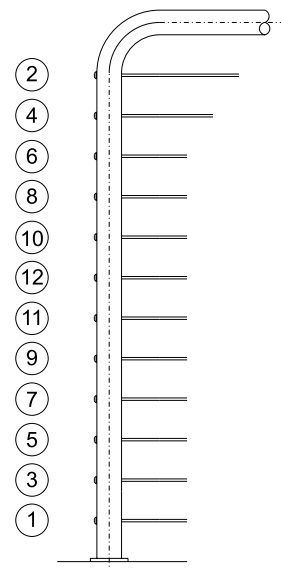


10. Go to the other end and tension the cable by holding the cable securely to prevent it from turning while you turn the Receiver with an Allen hex wrench. Be careful to protect the cable from damage while tensioning.



The swaging stud will be pulled into the Receiver by the tensioning.

11. Tension in sequence, beginning with the outside cables and moving back and forth toward the center. Finished cables should be tensioned to have only 1/4" of play when finger-pulled.



RECOMMENDED TENSIONING SEQUENCE