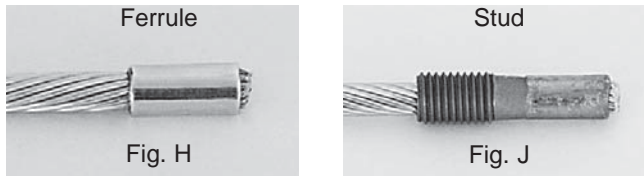


GENERAL INFO

- C. Depress the foot pedal to introduce pressure into the swaging tool. Do not let the dies close all the way on the first cycle.
- D. Release the foot pedal and apply foot pressure in the opposite direction (this will re-open the dies). Turn the fitting 45 degrees and repeat Step C. Do not let the die close all the way.
- E. Turning the fitting 45 degrees each time, swage the fitting, letting the die close completely at least three more times.

**NOTE:** When swaging a **Stud**, the non-threaded end of the **Stud** should face the end of the **Cable**. When properly swaged, the **Ferrule** will look like **Figure H** and the **Stud** will look like **Figure J** below after swaging and will slide easily into the **Body** of the fitting.

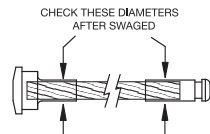
TECHNICAL INFO



BUILDING CODES

For the **Radius Ferrule** or **Clip-on Stop**, use the appropriate **Go Gauge**. The swaged **Radius Ferrule** should fit the slot in the **Go Gauge** when properly swaged. If you do not have a **Go Gauge**, use **Calipers** to check diameter of the swaged portion of the **Radius Ferrule**. See the chart below for the correct diameter of the **Radius Ferrule** after it has been swaged.

GUIDE SPECS

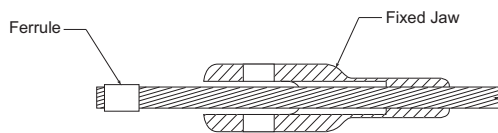


Radius Ferrule	Clip-on Stop	For Cable Diameter	Diameter of Swaged Portion of Fitting Should Be
CRRF4 or CRRF6	CRCOS4 or CRCOS6	1/8" or 3/16"	.250" Max.
CRRF8	NA	1/4"	.375" Max.
CRRF10 or CRRF12	NA	5/16" or 3/8"	.500" Max.

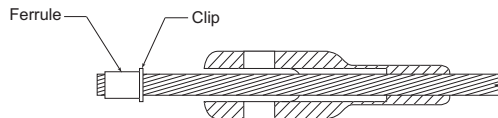
INSTALLATION GUIDES

**Ultra-Tec® Clip-on Fixed Jaw INSTALLATION INSTRUCTIONS**

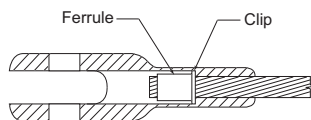
1. Slide Swaged **Cable Ferrule** end through throat of **Fixed Jaw**.



2. Grasp top of clip with **Pliers**, and force **Clip** over **Cable** immediately behind **Ferrule**.



3. Pull **Cable** back through throat of **Fixed Jaw** until it stops. **Ferrule** is captured inside **Fixed Jaw**.



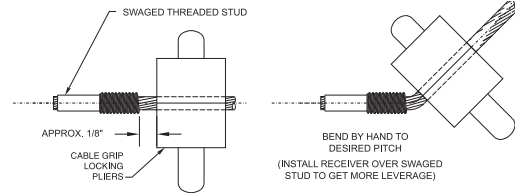
INDEX

**USING INVISIWARE® RECEIVERS ON STAIRWAYS**

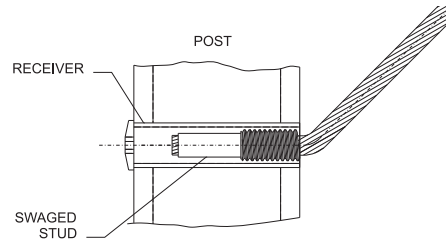
The following instructions illustrate how you can use an **Invisiware® Receiver** and **Stud** on stairway **End Posts**, without having to drill holes on an angle.

This section applies if you are installing **Invisiware® Receivers** on both ends of your cable run. If the **Cables** are supplied with **Studs** on each end, you can disregard steps A, D and E below.

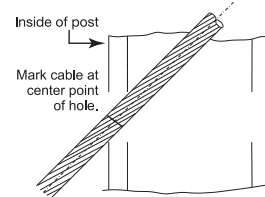
- A. Swage the **Stud** onto the end of the cable to be installed at the bottom of the stairway. See **Swaging Instructions**.
- B. Grip the cable with cable grip locking pliers approximately 1/8" from the swaged **Stud**. Screw the **Receiver** onto the **Stud** for leverage, and bend the cable by hand to the approximate angle desired. This bend does not have to be precise.



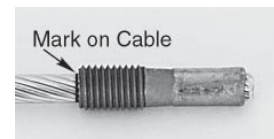
- C. Install the **Receiver** in the **Post** at the bottom of the stairway, following the instructions in the **Installing Cable** section for installing **Invisiware® Receiver** at **Post A**. Make sure the **Stud** is flush with the outside wall of the **Post**. See illustration below.



- D. Pull the cable to the hole in the **Post** at the top of the stairway where the **Receiver** will be installed on the other end of the cable. Mark the cable at the center point of the hole. See illustration below.



- E. Swage the **Stud** onto the end of the cable with the threaded end at the mark made in Step D. See **Swaging Instructions** and illustration at right. Cut off any excess **Cable**, leaving a small "tail" out of the end of the **Stud**.



- F. Bend the cable to the approximate angle desired as done in Step B above. Make sure bends are on the same plane.
- G. Install the **Receiver** in the **Post** at the top of the stairway, following the instructions in the **Installing Cable** section for installing **Invisiware® Receivers** at **Post B**. When tensioned, the **Cables** will self-align at each **End Post**.