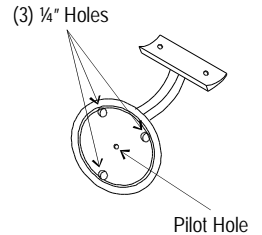




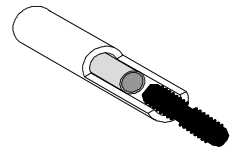
## Continuous Handrail Installation Instructions

**Note:** These instructions must be followed exactly as written and the materials used must be exactly as shown in the instructions. Any deviation from the instructions or variation in the materials used/installed may result in an unsuccessful installation.

**Aluminum Wall Mounts:** Position Aluminum Wall Mount on post or wall. A recommended height for handrail is 34" to 38" above the nose of the stair tread. The wall mount has (3) ¼" holes to receive fasteners (fasteners not included). If you need to pivot the mount, you can either put (1) fastener in the bottom hole and pivot to the position you need or there is a pilot hole on the back of the mount if you would prefer to use (1) center fastener. Stainless steel screws are provided to fasten the vinyl handrail to the mounts. **It is recommended the wall mounts be at 6' maximum spacing.**



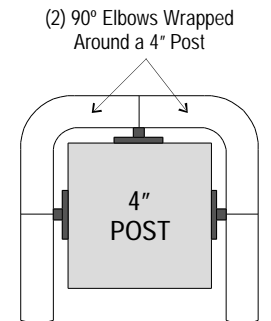
**Handrail with no Returns:** If needed, cut handrail to desired length. Aluminum inside the handrail will need to be cut shorter to accommodate an Internal Coupler or 1½" Round End Cap. If using a Self-Tapping Internal Coupler, use a ¾" open end wrench to tighten. For 1½" Round End Cap, apply vinyl adhesive and insert the End Cap into the handrail.



Cut Away View of Handrail with Aluminum Cut Shorter to Allow for Self-Tapping Internal Coupler

**Handrail with Returns:** When using returns for stairs or handicap ramps, Elbows are needed at the top and bottom of the steps. The degree of steps is needed so the closest degree of Elbows can be ordered. When using an Elbow, it will follow the degree of the steps and level out at both the top and bottom of the steps. Once you level out, there are various options. You can use a Post Return Elbow to return to a post, use (2) 90° Elbows to wrap around a 4" post or use (1) 90° Elbow to direct the handrail to the floor.

If attaching the handrail to a wall, a Wall End Return may be used. Cut handrail to desired length. Aluminum inside the rail will need to be cut shorter so the handrail will accommodate the fastener (included with Wall End Return). Apply vinyl adhesive to fastener. Insert the handrail and accessory together. When an accessory needs to be fastened to a flat surface, a 1½" Internal End Mount will be used.



**Inside Corners:** When an inside corner is needed on a level area, a 90° Elbow is used. Usually an Aluminum Wall Mount cannot be used on an inside corner if the post is in the corner. This will need to be supported by a piece of handrail from the Elbow to the floor or deck surface. A Tee Connector will be used underneath the Elbow and a 1½" Internal End Mount at the bottom.

**Note:**

- Every connection needs (1) Coupler.
- Use Vinyl Adhesive for connections, not standard PVC glue.
- Elbows can be adjusted to different degrees by carefully heating with a heat gun. Begin with the closest degree elbow.