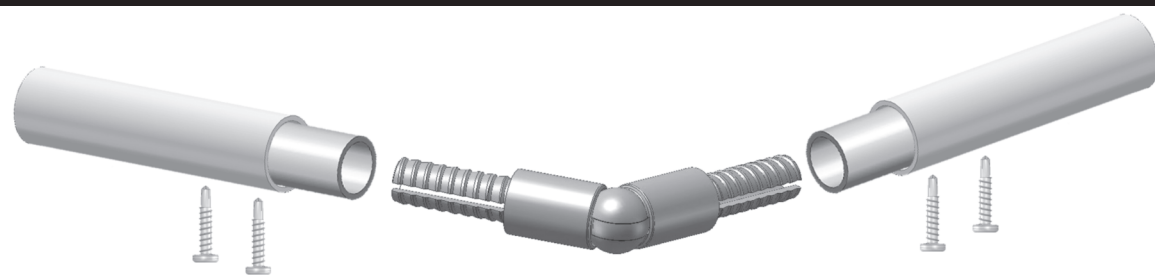


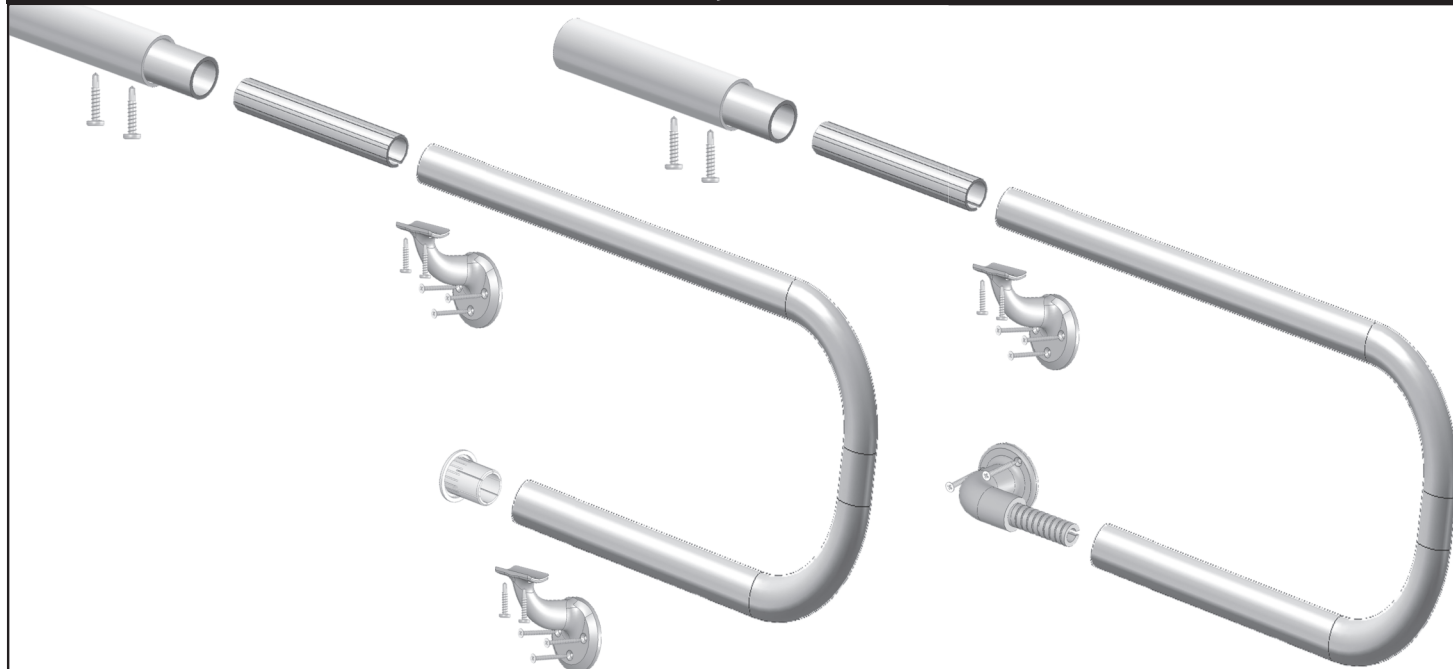
External Swivel - 0 to 60°



**External Swivel Used for
Step Degree Angles**

- Adjust external swivel to desired angle and install set screw.
- Cut ADA tube with aluminum to desired length.
- Insert external swivel bracket into the ADA tube.
- Pre drill aluminum reinforced ADA tube and bracket with drill bit and install self tapping screw provided.

P-Loop Return



**P-Loop Return is Used at the Bottom of
Steps or Handicap Ramps**

- Attach top bracket at desired location using appropriate connectors.
- Cut P-Loop to desired length.
- Connect P-Loop to ADA tube using the appropriate joiners (Straight, Adjustable joiners or External swivel).
- Set P-Loop on top of bracket and pre drill with drill bit and install self tapping screw provided.
- Install desired lower bracket.

Typical ADA Railing Installation

Components:

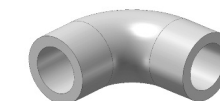
- ADA Handrail w/Aluminum Insert



- 6" Straight Joiner



- 4" Inside/Outside Corner



- Straight End Wall Bracket



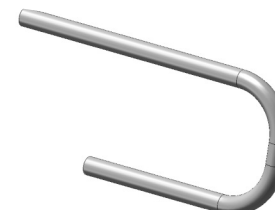
- Inside Corner Bracket



- End Cap



- P-Loop Return



- 6" Adjustable Joiner



- 90° Quick Return Bracket



- External Swivel




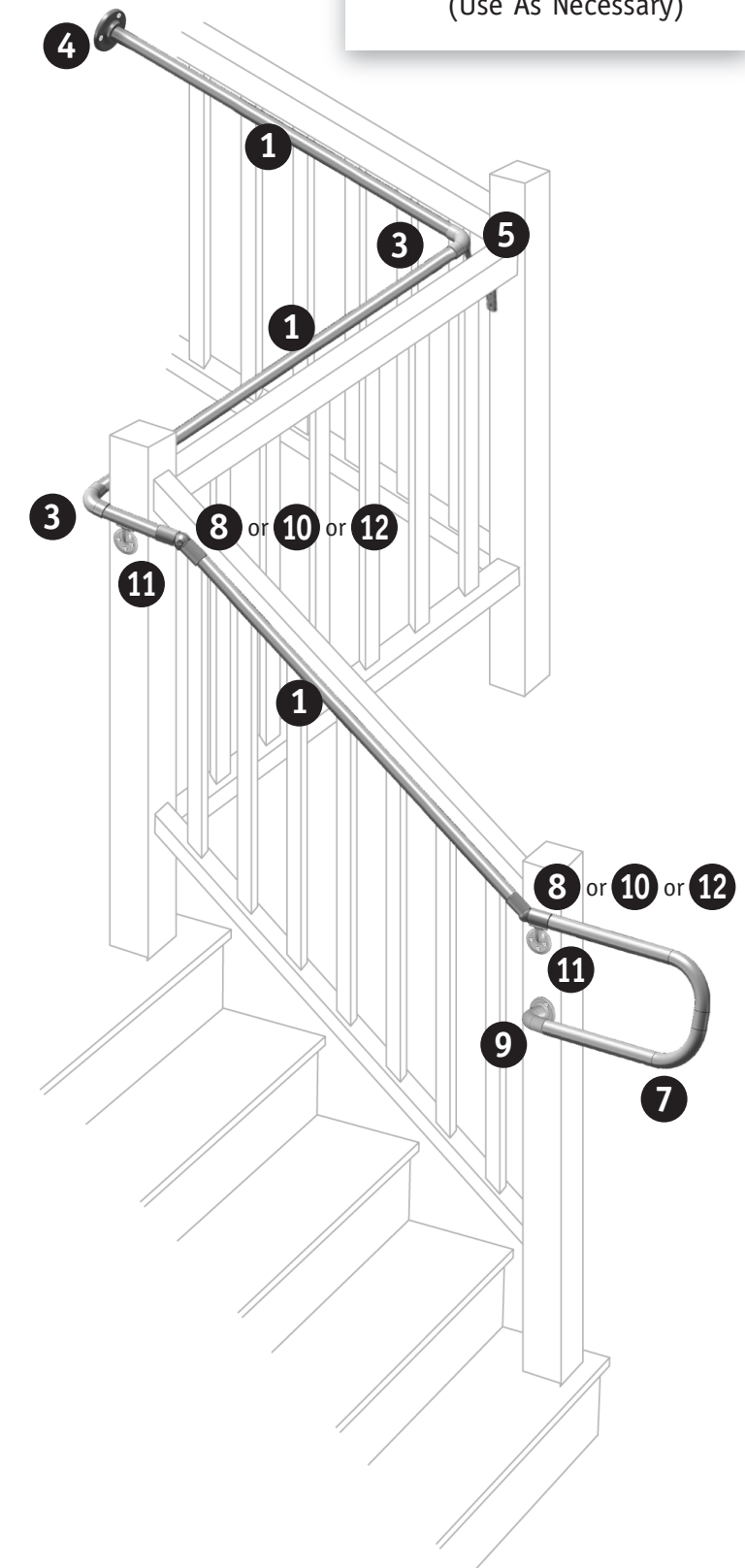
- Stand Off Bracket



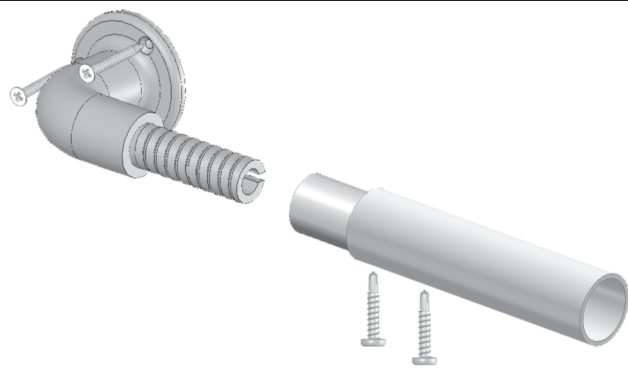
- 5°, 32°, or 38° Radius Bend



 Optional Beauty Ring
Joint Cover
(Use As Necessary)



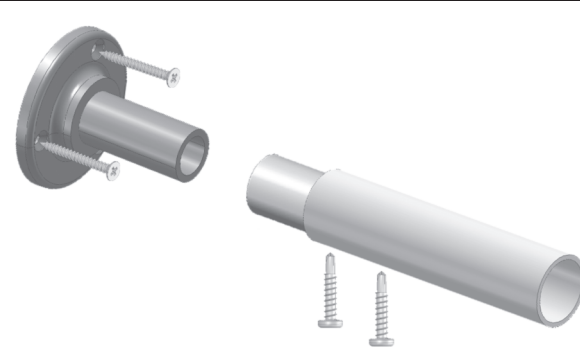
90° Quick Return Bracket



90 Degree Quick Return Bracket Used for Both Post and Wall Returns

- Cut ADA tube with aluminum to desired length.
- Insert 90 degree quick return bracket into the ADA tube.
- Install counter sunk screws provided through the bracket.
- Pre-drill aluminum reinforced tube and bracket with drill bit and install self tapping screw provided.

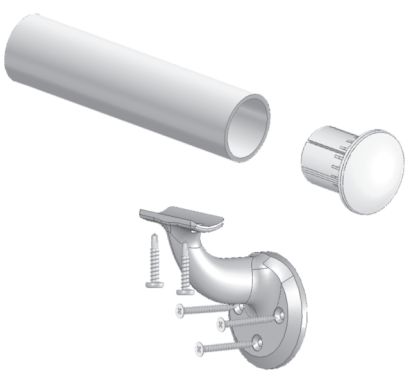
Straight End Wall Bracket



Straight End Wall Bracket Used for Straight Wall Connections

- Cut ADA tube with aluminum to desired length.
- Insert straight end bracket into the ADA tube.
- Install counter sunk screws provided through the bracket.
- Pre-drill aluminum reinforced tube and bracket with drill bit and install self tapping screw provided.

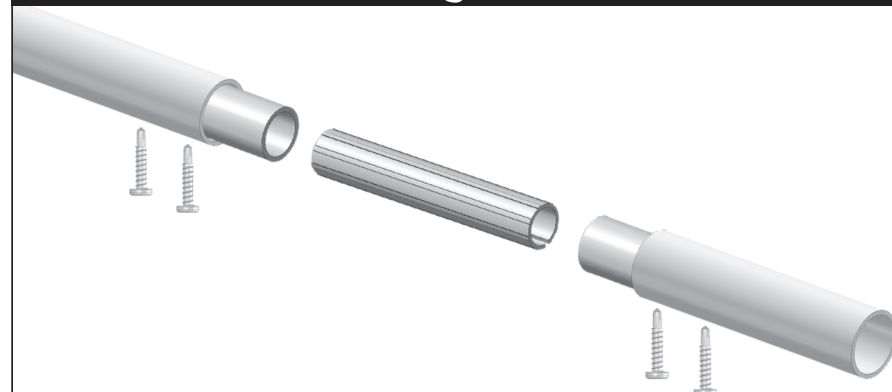
Stand Off Bracket



Stand Off Bracket Used for Rail Applications on Walls or Posts

- Install counter sunk screws provided through the bracket into the mounting surface.
- Place rail at appropriate location on the bracket.
- Pre-drill aluminum reinforced ADA tube with drill bit and install self tapping screw provided.
- Place end cap on rail.

6" Straight Joiner



Internal 6" Straight Joiner Used to Connect 2 ADA Tubes or 4" Inside/Outside Corner

- Cut ADA tube with aluminum to desired length.
- Pre drill aluminum reinforced ADA tube and joiner with drill bit and install self tapping screw provided.

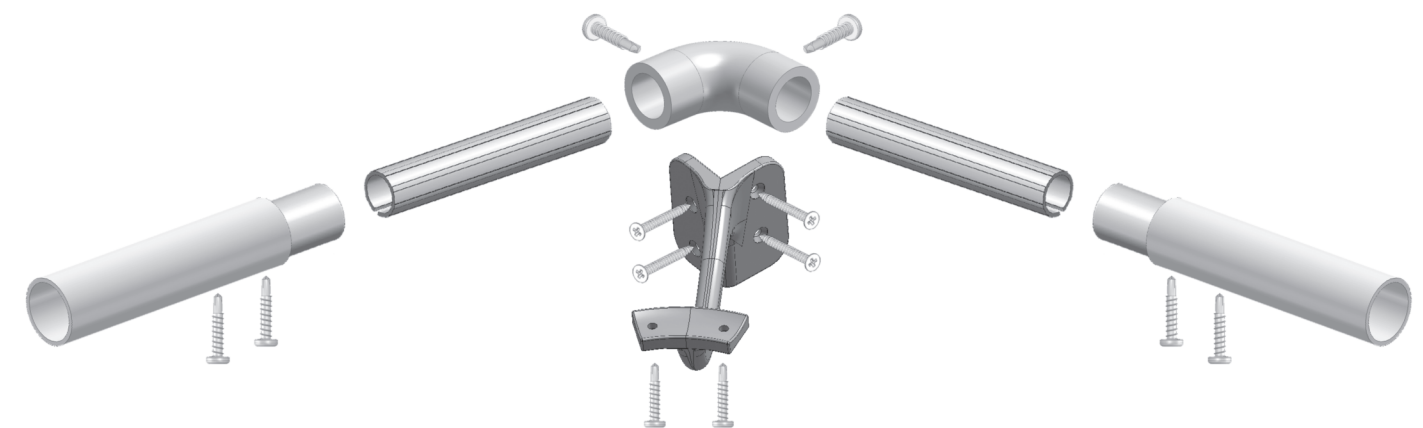
6" Adjustable Joiner - 0 to 90°



Internal 6" Adjustable Joiner Used for Degree Angles

- Miter cut ADA tube with aluminum to desired length.
- Install adjustable joiner inside both ends of the tube.
- Pre drill ADA tube and adjustable joiner with drill bit and install self tapping screw provided.

4" Inside/Outside Corner with Inside Corner Bracket



4" Corner Can Be Used for Both Inside and Outside Corners

- Install 2 straight joiners into the 4" inside/outside corner.
- Pre drill 4" inside/outside corner and straight joiner with drill bit and install self tapping screw provided.
- Cut ADA tube with aluminum to desired length.
- Pre drill aluminum reinforced ADA tube and joiner with drill bit and install self tapping screw provided.

4" Inside/Outside Corner Bracket

- Install counter sunk screws provided through the bracket into the mounting surface (corner of post).
- Place 4" inside/outside corner at appropriate location on the bracket.
- Pre drill 4" inside/outside corner with drill bit and install self tapping screw provided.