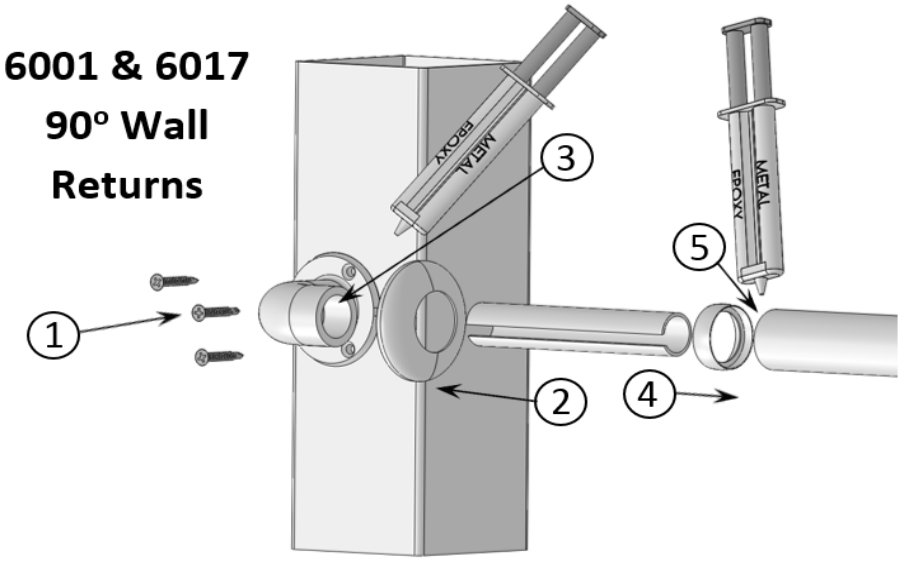
Aluminum Secondary Handrail System

- If you are using a power saw to cut the Aluminum Rail, we recommend a carbide tipped blade with at least 60 teeth.
- Use a two-part adhesive designed for bonding aluminum, and follow the manufacturers recommended procedures.
- A Hand Rail Bracket or a Wall Return is required every 96". Check with the local building department, as some locations may have different requirements.

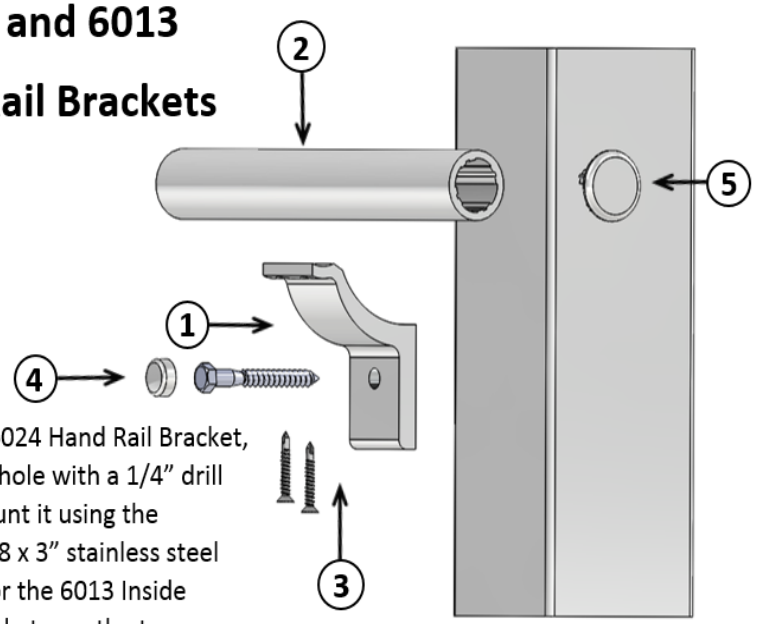
WARNING: Always wear safety googles and other protective gear as required.

6001 & 6017 90° Wall Returns



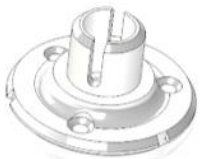
1) Attach the 6001 or 6017, 90° Wall Return to the mounting surface using the #10 x 2" screws provided. 2) Slide the supplied Wall Return Cover Plate onto the Wall Return, rotate and snap it into position. 3) For 6001, apply a two-part aluminum epoxy in the opening. Using a twisting motion, slide a 6" Joiner (sold separately - Part # 6007), into the Wall Return. 4) Slide a Joint Ring (sold separately - Part # 6009), onto the end of the Aluminum Rail (6021). 5) For both 6001 and 6017, apply the two-part epoxy into the end of the Rail and insert the Joiner, or 6017 Wall Return into the Rail. Let the epoxy cure as per the manufacturer's instructions.

6024 and 6013 Hand Rail Brackets



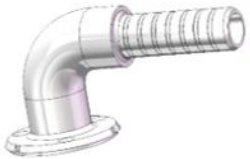
1) For the 6024 Hand Rail Bracket, drill a pilot hole with a 1/4" drill bit and mount it using the supplied 3/8 x 3" stainless steel lag bolt. For the 6013 Inside Corner Bracket, use the two supplied #10 x 2" screws. 2) Place the 6021 Rail on the bracket in the appropriate position. 3) Pre-drill two holes in the Rail using a 7/32" drill bit for the 6024 Bracket, or a 5/32" drill bit for the 6013 Bracket. Attach the Rail to the Bracket using the screws provided and a #2 Philips Head. 4) Hide the Lag Bolt with either the Cover or Hole Plug provided. 5) Apply a two-part aluminum epoxy to the inside of the Aluminum Rail and insert a Rail End Cap (sold separately - Part # 6025). Let the epoxy cure as per the manufacturer's instructions.

ALUMINUM HAND RAIL COMPONENTS



6002
Straight Wall Return (KIT)

6001
90° Wall Return (KIT)



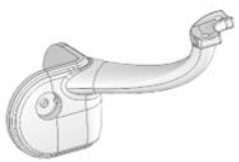
6017
90° Wall Return with Joiner (KIT)

6024
Hand Rail Bracket (KIT)

6021
Aluminum Rail

6004
90° Corner

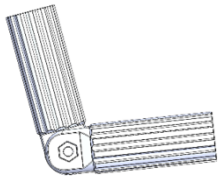
6016
90° Corner with Joiners



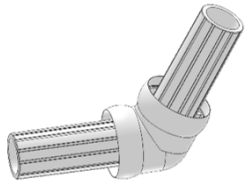
6013
90° Inside Corner Bracket (KIT)

6009 - 4 Pack
Joint Ring

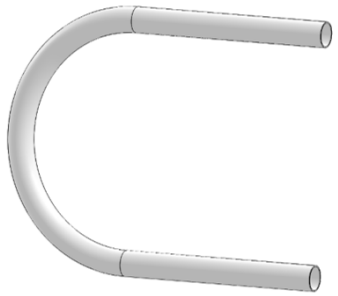
6007 - 4 Pack
6" Straight Joiner



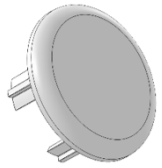
6008
Internal Adjustable Joiner



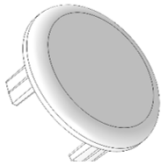
6018
External Adjustable Joiner



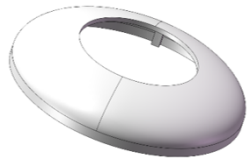
6022
Aluminum End Loop



6025 - 4 Pack
Aluminum Rail End Cap



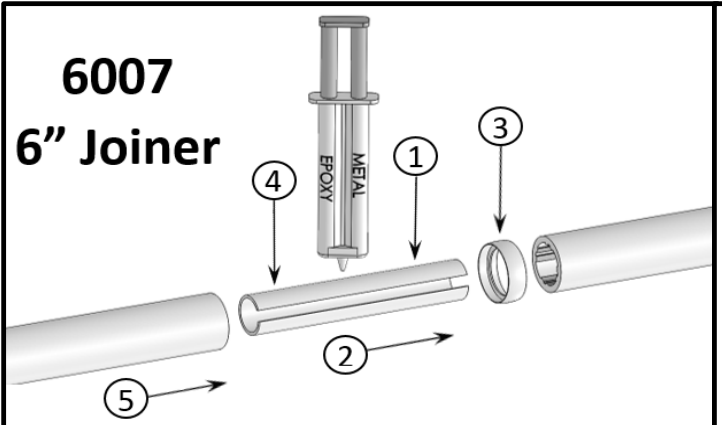
6020 - 4 Pack
End Cap for End Loop



6011 - 4 Pack
Wall Return Cover Plate

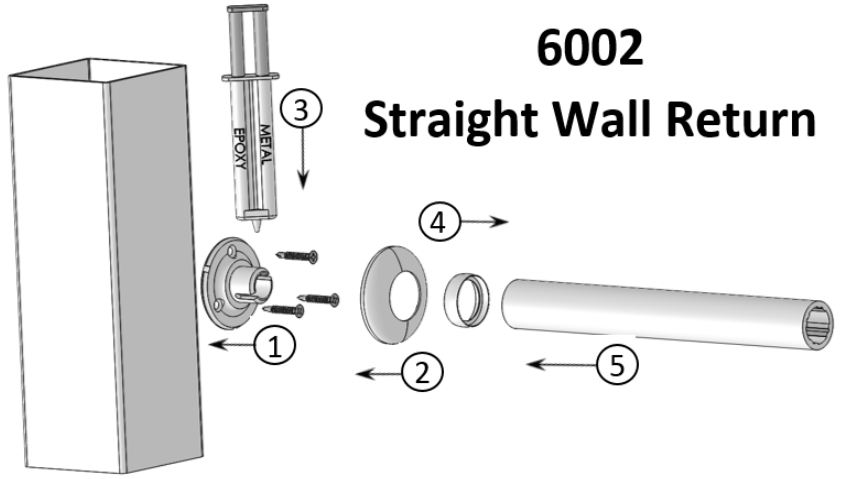
Kits include the necessary screws, bolts, and covers.

6007
6” Joiner



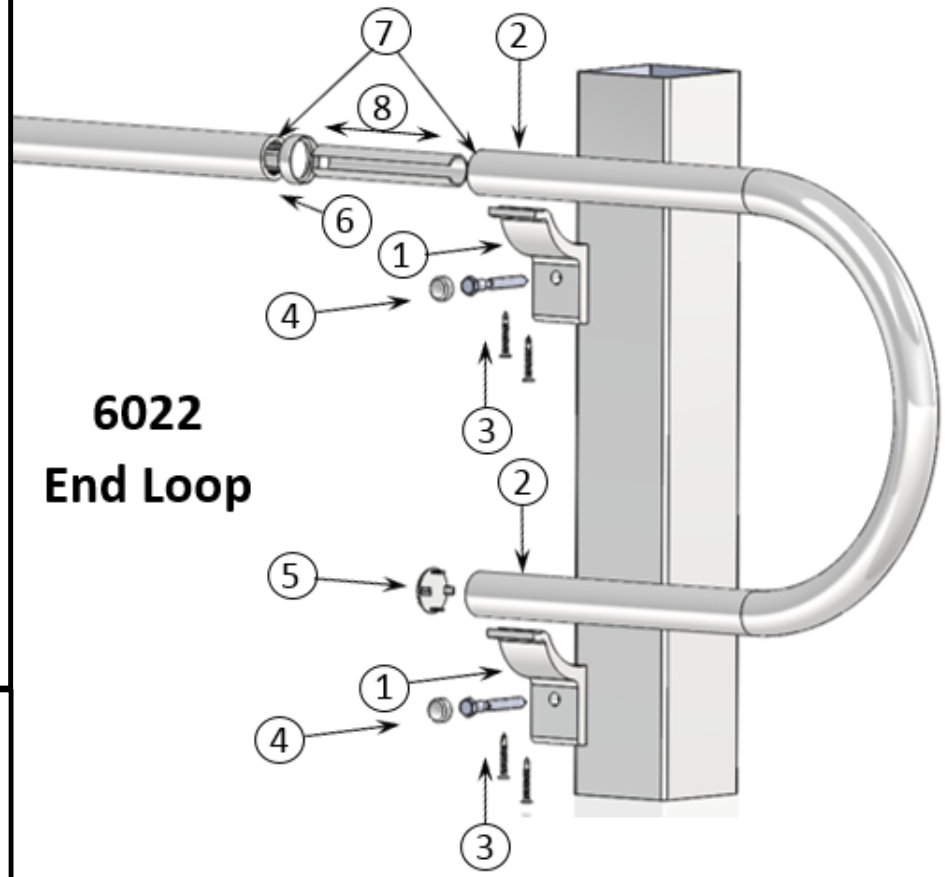
1) To join two pieces of Aluminum Rail - 6021 together, apply a two-part aluminum epoxy to the inside of a rails. one end of the 6” Straight Joiner - 6007. 2) Using a twisting motion, insert a 6” Straight Joiner - 6007, half way inside. 3) Attach a Joint Ring (sold separately - Part # 6009) over the Joiner and onto the Rail. 4) Apply the epoxy to the inside of the other Rail. 5) Using a twisting motion, slide the Joiner into the Rail. Let the epoxy cure as per the manufacturer’s instructions.

6002
Straight Wall Return



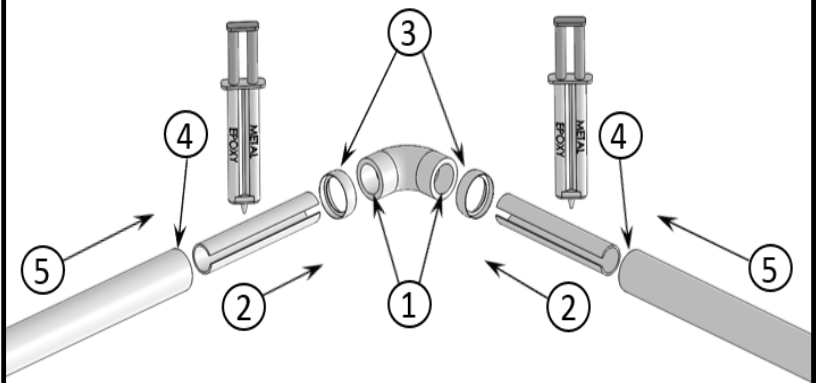
1) Attach the Straight Wall Return 6002 to the mounting surface using the three #10 x 2” screws provided. 2) Slide the supplied Wall Return Cover Plate onto the Wall Return, rotate and snap it into position. 3) Apply a two-part epoxy to the end of the Wall Return. 4) Slide a Joint Ring (sold separately - Part # 6009), onto the end of the Aluminum Rail (6021). 5) Using a twisting motion, slide the Aluminum Rail onto the Wall Return. Let the epoxy cure as per the manufacturer’s instructions.

6022
End Loop



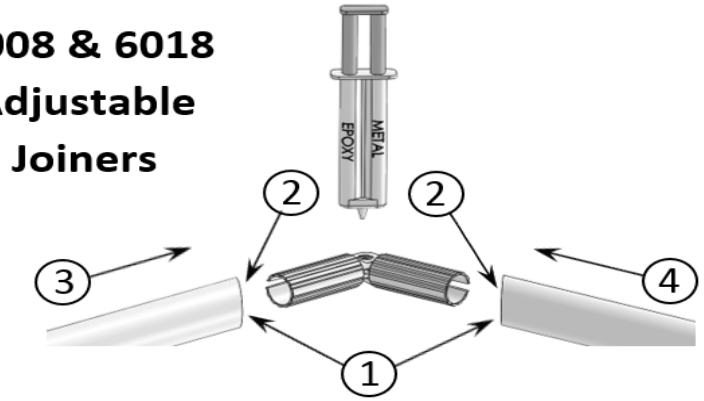
1) Attach the 6024 Hand Rail Brackets to the mounting surface using the supplied 3/8 x 3” stainless steel lag bolts. 2) Place the 6022 End Loop on the Brackets with the smaller opening on top. 3) Pre-drill two sets of holes in the End Loop using a 7/32” drill bit. Attach the End Loop to the Brackets using the screws provided and a #2 Philips Head screwdriver. 4) Hide the head of the Lag Bolt with the Covers provided. 5) Use a two-part aluminum epoxy to glue the End Loop Cap (sold separately - Part # 6020), into the end of the End Loop. 6) Slide a Joint Ring (sold separately - Part # 6009) onto the end of an Aluminum Rail. 7) Apply a two-part epoxy to the inside of the End Loop and the Rail. 8) Using a twisting motion, slide a 6” Joiner (sold separately - Part # 6007), half way into the End Loop and half way into the Rail. For angled installations use an Adjustable Joiner - Part # 6008 or 6018. Let the epoxy cure as per the manufacturer’s instructions.

6004 & 6016 - 90º Corners



1) For 6004 only: apply a two-part aluminum epoxy in the Corner openings. 2) Using a twisting motion, insert a 6” Joiner (sold separately - Part # 6007) into each Corner opening. 3) For both 6004 & 6016: Slide a Joint Ring (sold separately - Part # 6009) over the Joiners and onto each end of the Corner. 4) Apply the two-part epoxy to the inside of the Aluminum Rails. 5) With a twisting motion, slide the Rails onto the Joiners. Let the epoxy cure as per the manufacturer’s instructions.

6008 & 6018
Adjustable
Joiners



1) For the 6008 Joiner only, cut the ends of the Rails at the desired angle. Check the assemble before gluing together. 2) For both 6008 & 6018: Apply a two-part aluminum epoxy inside the cut end of the Rails. 3) Using a twisting motion, insert one end of the Rail into the Joiner. 4) Repeat for the other Rail into the other end of the Joiner. Let the epoxy cure as per the manufacturer’s instructions.