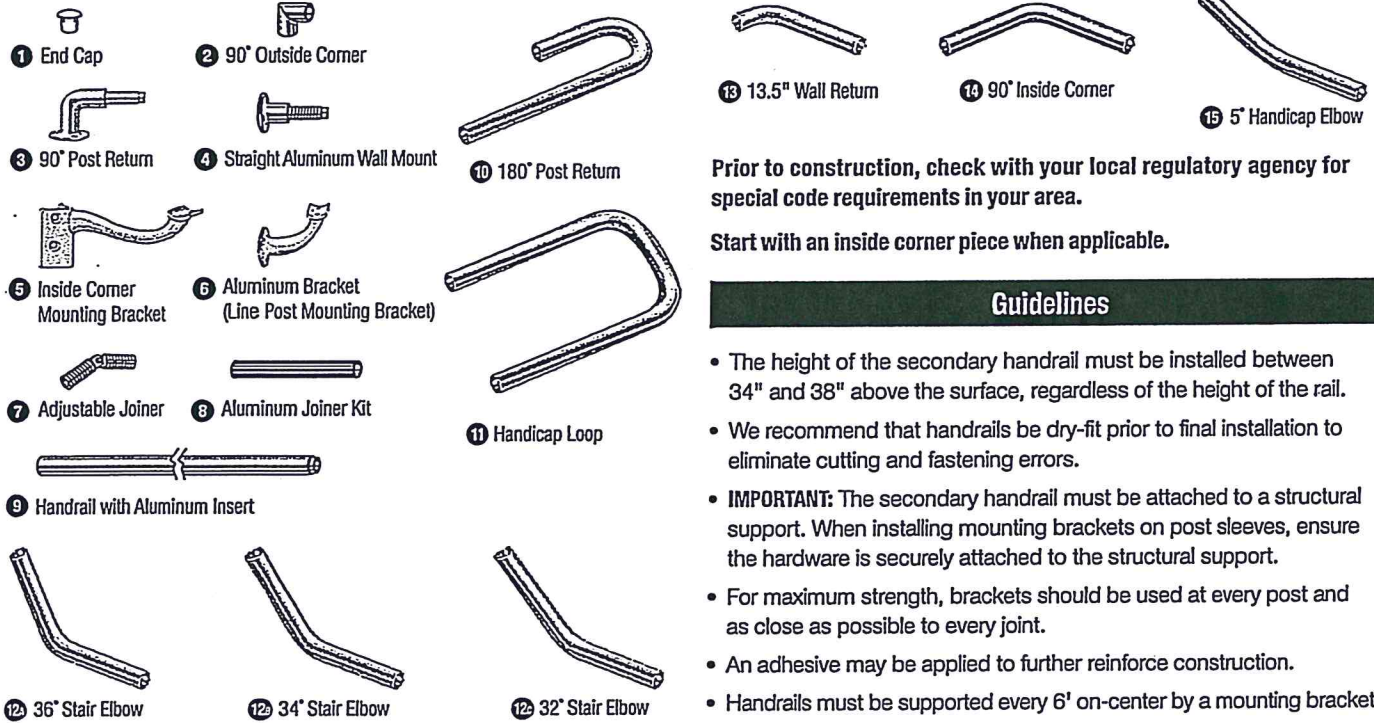


found on Lowe's or Home Depot

SECONDARY HANDRAIL INSTALL DIAGRAM

Handrail Components

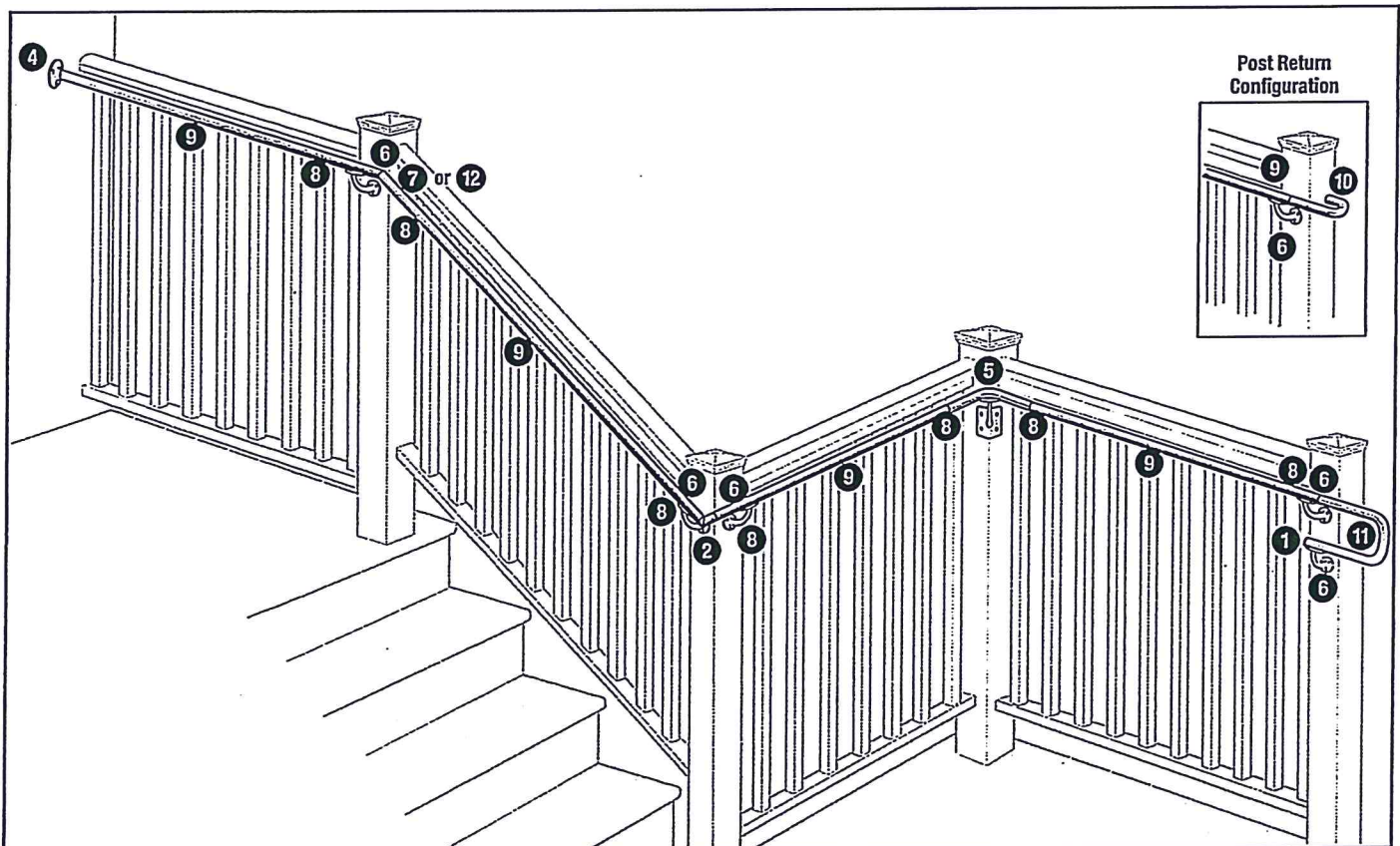


Prior to construction, check with your local regulatory agency for special code requirements in your area.

Start with an inside corner piece when applicable.

Guidelines

- The height of the secondary handrail must be installed between 34" and 38" above the surface, regardless of the height of the rail.
- We recommend that handrails be dry-fit prior to final installation to eliminate cutting and fastening errors.
- **IMPORTANT:** The secondary handrail must be attached to a structural support. When installing mounting brackets on post sleeves, ensure the hardware is securely attached to the structural support.
- For maximum strength, brackets should be used at every post and as close as possible to every joint.
- An adhesive may be applied to further reinforce construction.
- Handrails must be supported every 6' on-center by a mounting bracket.



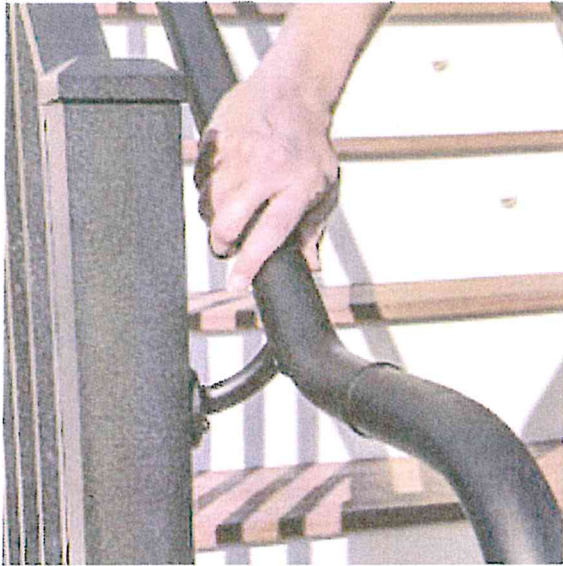


01 28 2020

Trex - Aluminum ADA-Compliant Railing

Product Summary

The Trex ADA-Compliant Handrail system is designed to seamlessly blend with all Trex railing options, offering an extra level of safety, strength and accessibility for any deck design.



Quick Links

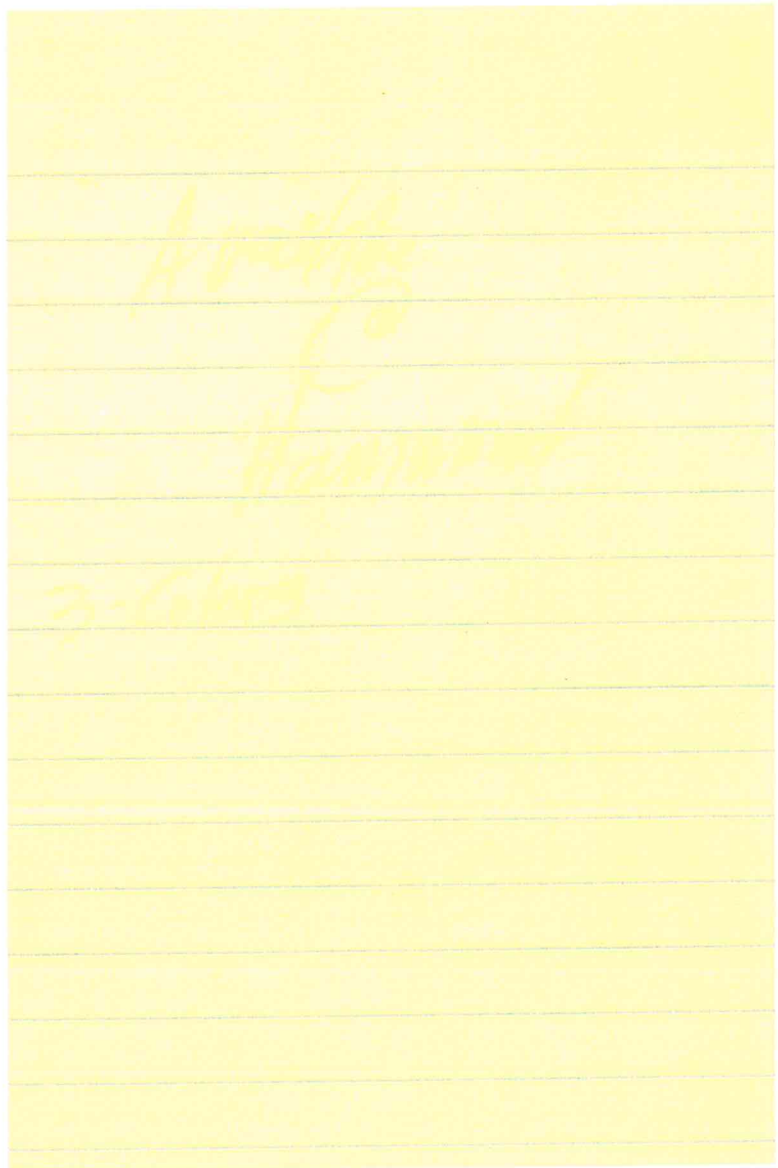
Learn More - Use the Quick Links on this page to navigate quickly through the manufacturer's website or [Contact Us](#) directly .

Product Availability and Pricing

[Click here](#) for details.

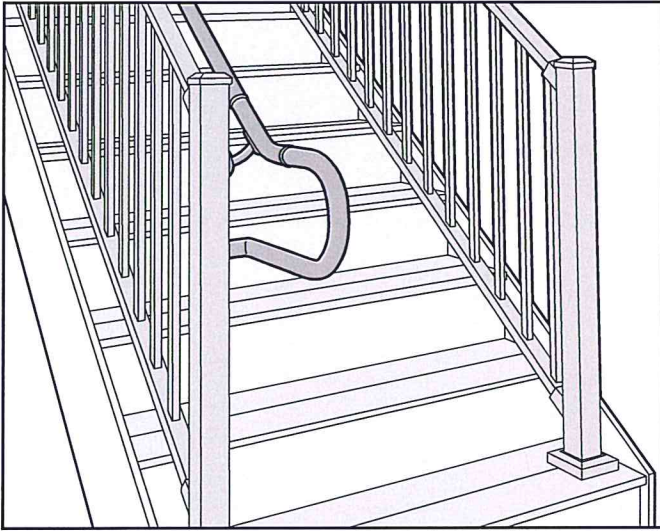
Similar Products

See all our [Railings](#) products.

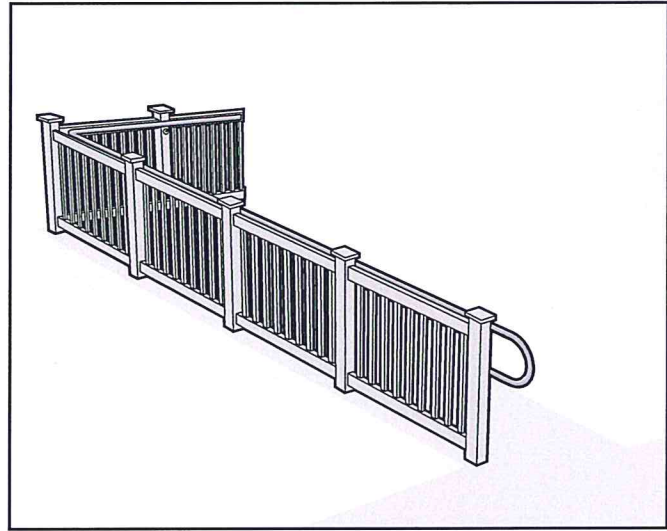


TREX® ALUMINUM ADA COMPLIANT HANDRAIL

STAIR APPLICATION

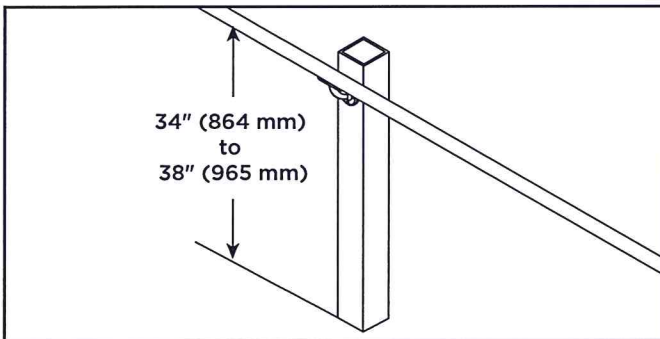


RAMP APPLICATION



ADA Handrail Guidelines

1. ADA handrails can be installed using various design applications such as those for stairs, ramps, and horizontal applications. Designs include options for straight and 90° wall returns, 90° corners, and adjustable angles. Choose which is best for your needs before installing. Refer to railing profile page for a more detailed parts list.



2. The handrail system top rail should be 34" (864 mm) to 38" (965 mm) above the surface. However, verifying height requirements with local building code officials before installing is important as codes vary in different areas.*
3. Maintain a minimum clearance of 1-1/2" (38 mm) between the handrail and any obstructions above or behind the handrail.
4. The end loop return at all landings must extend 12" (305 mm) past the end of the ramp or stair application.*
5. The slope of the handrail for the ramp should not exceed 1" (25 mm) rise over a 12" (305 mm) run.

6. The maximum recommended span between supports is 6' (1.83 m) on center. Thus, placement of posts is critical when installation of railing is being considered.*
7. Rails are designed to have a tight fit into other connecting components. It is critical to line these up in the correct orientation BEFORE connecting parts together. If it is necessary to shift or move a component on a rail, wrap with a protective cloth to prevent scratching as you may need to use a wide-mouth wrench to correct this.
8. At any straight location where internal connector is used, it is CRITICAL to locate these as close to a wall mount as possible.
9. If using metal posts, pre-drill all locations for bracket attachment. (ALWAYS use a drill bit slightly SMALLER in diameter than the screw being used for attachment.)
10. All elbow components can be cut down to allow for tighter angles. Cut a maximum of 2" (51 mm) on each side if this is required.

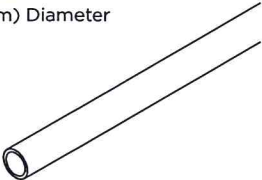



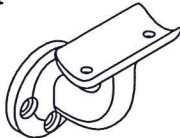
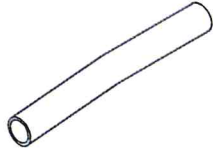
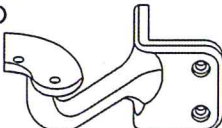

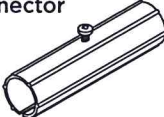
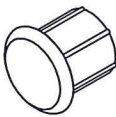
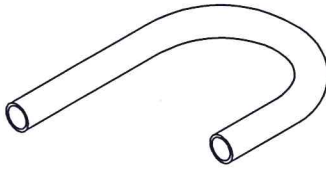
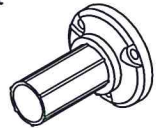
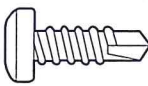
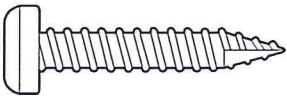
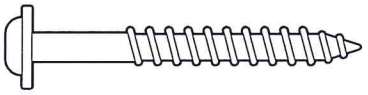
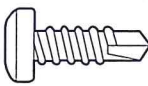
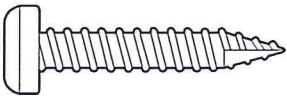
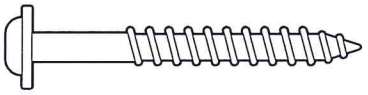
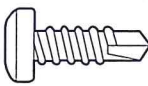
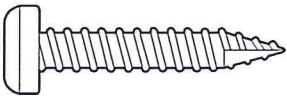
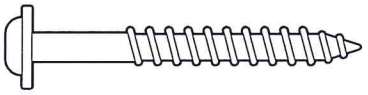
*Refer to the American Disabilities Act for detailed information with regard to handrail requirements.

SAFETY NOTES

- » When cutting metal, ALWAYS wear proper safety eyewear (as well as any other proper safety wear).
- » Remove all burrs from cut ends before installation.
- » Use of a non-ferrous metal blade is recommended.

ADA RAILING PROFILES

» SEE PAGE 62 FOR SKU NUMBERS.

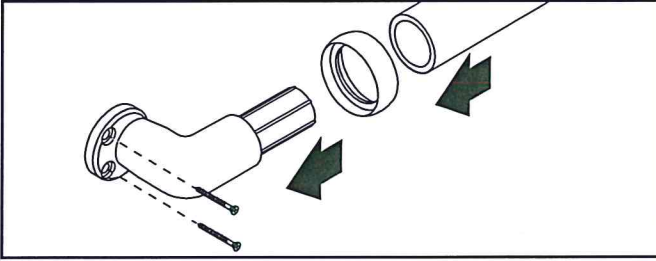
DESCRIPTION	COLOR	DESCRIPTION	COLOR												
ADA Handrail 1.375" (34.9mm) Diameter 	BK, BZ, WT	ADA 90° Elbow*  *This component is designed for both inside corners and outside corners.	BK, BZ, WT												
ADA Wall Return (screws included) 	BK, BZ, WT	ADA 36°, 34°, and 31° Elbows 	BK, BZ, WT												
ADA Wall Mount (screws included) 	BK, BZ, WT	ADA 5° Elbow 	BK, BZ, WT												
ADA Corner Mount (screws included) 	BK, BZ, WT	ADA Collar 	BK, BZ, WT												
ADA Internal Connector 		ADA End Cap 	BK, BZ, WT												
ADA Handrail Return 	BK, BZ, WT	HARDWARE													
ADA Inline Bracket (screws included) 	BK, BZ, WT	<table border="1"> <thead> <tr> <th colspan="2">RAIL TO BRACKET ATTACHMENT</th> </tr> </thead> <tbody> <tr> <td>Short Metal Screw (#10 x 5/8" [16 mm])</td> <td></td> </tr> <tr> <th colspan="2">BRACKET TO METAL POST ATTACHMENT</th> </tr> <tr> <td>Long Metal Screw (#12 x 1-1/4" [32 mm])</td> <td></td> </tr> <tr> <th colspan="2">BRACKET TO WOOD POST/POST SLEEVE ATTACHMENT</th> </tr> <tr> <td>Wood Screw (#10 x 2" [51 mm])</td> <td></td> </tr> </tbody> </table>		RAIL TO BRACKET ATTACHMENT		Short Metal Screw (#10 x 5/8" [16 mm])		BRACKET TO METAL POST ATTACHMENT		Long Metal Screw (#12 x 1-1/4" [32 mm])		BRACKET TO WOOD POST/POST SLEEVE ATTACHMENT		Wood Screw (#10 x 2" [51 mm])	
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Wood Screw (#10 x 2" [51 mm])															

COLORS: BK Charcoal Black BZ Bronze WT White

NOTE: If attaching brackets to 6x6 posts/post sleeves, use #10 x 2-1/2" (64 mm) wood screws (not included).

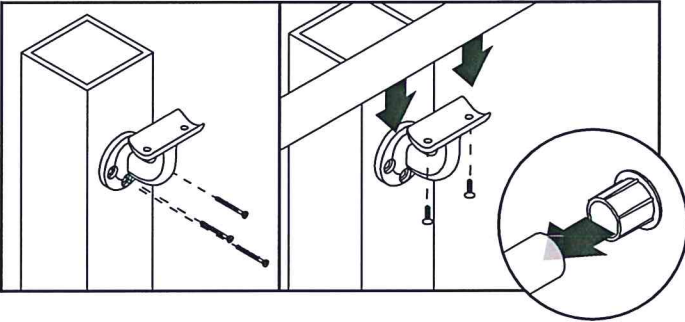
HOW TO INSTALL TREX® ALUMINUM ADA COMPLIANT HANDRAIL

90° Wall Return



1. If required, cut railing to proper length based on location of wall return(s) or attachment to other components.
2. If desired, collar ring can be used to hide seam of wall return to rail. Slide over rail **BEFORE** inserting rail into wall return.
3. Slide rail onto wall return until it is fully inserted and seam is hidden under collar (if collar is being used).
4. Attach wall return to post using specific hardware provided (see chart on previous page), **ENSURING** wall return is at proper angle of alignment to post. (Wall return is designed to have tight fit into rail, thus location of attachment is critical.) If using metal posts, pre-drill post prior to attachment of wall mount.

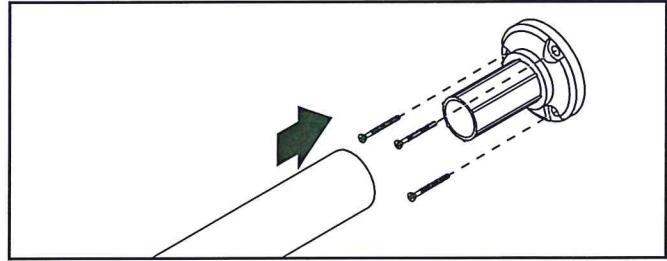
Wall Mount



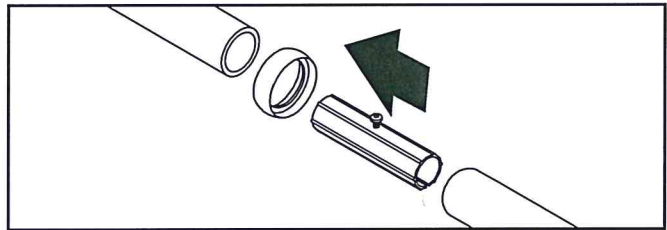
NOTE: Refer to Rail-to-Rail Connections section if connecting two or more rails together to make continuous straight run.

1. If required, cut railing to proper length based on location of wall mount(s) or attachment to other components.
 2. Attach wall mount to post using specific hardware provided (see chart on previous page), **ENSURING** wall mount is at proper angle of alignment to angle of rail. If using metal posts, pre-drill post prior to attachment of wall mount.
- TIP:** To help with angled attachment, place one screw into bottom hole of bracket and pivot wall mount to position required.
3. Attach rail to wall mount using specific hardware provided (see chart on previous page).
 4. Attach end cap to railing.

Inline Bracket



1. If required, cut railing to proper length based on location of inline bracket(s) or attachment to other components.
2. Attach inline bracket to post using specific hardware provided (see chart on previous page). If using metal posts, pre-drill post prior to attachment of inline bracket.
3. Slide rail onto inline bracket until it is fully inserted.



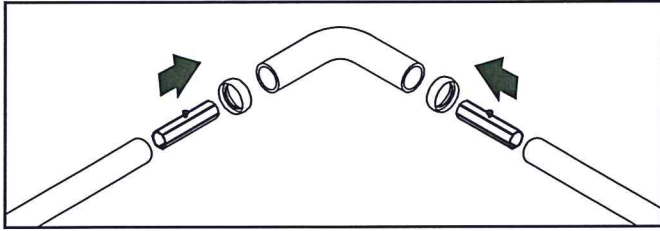
Rail-to-Rail Connections/Internal Connector

NOTE: When rail-to-rail straight connections are used for longer spans, posts must be installed 6' OC max. In addition, a wall mount **MUST** be used at each seam of rail-to-rail connections as close to center of wall mount as possible. If collar is used, this can be offset slightly to allow for the collar to fit.

1. If required, cut railing to proper length.
2. If desired, collar ring can be used to hide seam between rails. Slide ring over rail **BEFORE** inserting rails into internal connector.
3. Slide internal connector into rail end until metal spacer screw is touching either end of rail or collar, if used.
4. Slide second rail over opposite end of internal connector, until it is touching metal spacer screw.
5. Remove metal spacer screw using #2 square-head screwdriver.
6. Push second rail further over internal connector until it fits in the collar (if used) or fits tightly against rail.
7. Attach wall mount to post per previous instructions.
8. Attach rail to wall mount per previous instructions.
9. Use end caps where required.

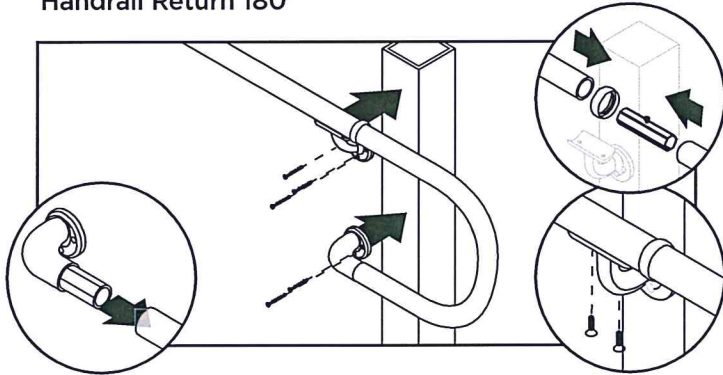
HOW TO INSTALL TREX® ALUMINUM ADA COMPLIANT HANDRAIL/CONTINUED

Elbows (90°, 36°, 34°, 31°, 5°)



1. If required, cut railing to proper length based on location of elbows and other components being used.
2. If desired, collar ring can be used to hide seam of elbow to rail. Slide over rail **BEFORE** inserting rail into elbow.
3. Slide internal connector into rail end until metal spacer screw is touching either end of rail or the collar, if this was used.
4. Slide appropriate angled elbow onto opposite end of internal connector, until it is touching metal spacer screw.
5. Remove metal spacer screw using #2 square head screwdriver.
6. Push elbow further over internal connector until it fits in the collar (if used) or fits tightly against rail.
7. Attach wall mount to post per previous instructions.
8. Attach rail to wall mount per previous instructions.

Handrail Return 180°

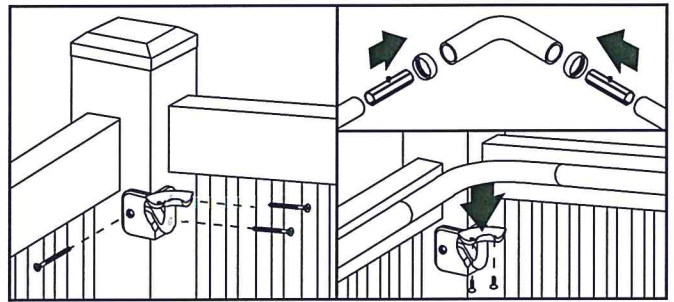


NOTE: Ramp application shown here. (Appropriate angle elbow also required for stair applications.)

1. If required, cut railing to proper length based on location of elbow used as well and other components being used.
2. If desired, collar ring can be used to hide seam of handrail return to rail or elbow being used. Slide this over rail **BEFORE** inserting rail into other component.
3. Ensure that all components are aligned to both wall mount on post as well as location of elbow on rail **BEFORE** attachment.

4. Slide internal connector into appropriate elbow being until metal spacer screw is touching either end of elbow or the collar, if this was used.
5. Attach wall return to lower end of handrail return (longer side), **ENSURING** wall return is at proper angle of alignment to post. (Wall return is designed to have tight fit into rail, thus location of attachment is critical.)
6. Slide opposite end of handrail return onto internal connector, until it is touching metal spacer screw.
7. Remove metal spacer screw using #2 square-head screwdriver.
8. Push handrail return further over internal connector until it fits in the collar (if used) or fits tightly against elbow.
9. Attach wall return to post per previous instructions.
10. Attach rail to wall mount per previous instructions.
11. Use end caps where required.

Corner Mount



1. Pre-drill metal post and install corner post to metal post using specific hardware provided (see chart on previous page).
2. If desired, collar ring can be used to hide seam of elbow to rail. Slide this over rail **BEFORE** inserting rail into elbow.
3. Slide internal connector into rail end until metal spacer screw is touching either end of rail or the collar, if this was used.
4. Slide appropriate angled elbow onto opposite end of internal connector, until this is touching metal spacer screw.
5. Remove metal spacer screw using #2 square-head screwdriver.
6. Push elbow further over internal connector until this fits in the collar (if used) or fits tightly against rail.
7. Install elbow to corner mount using specific hardware provided.