RailFX
OASIS™ RAILING SYSTEM

INSTALLATION GUIDE

RailFX Oasis™ Cable Railing System

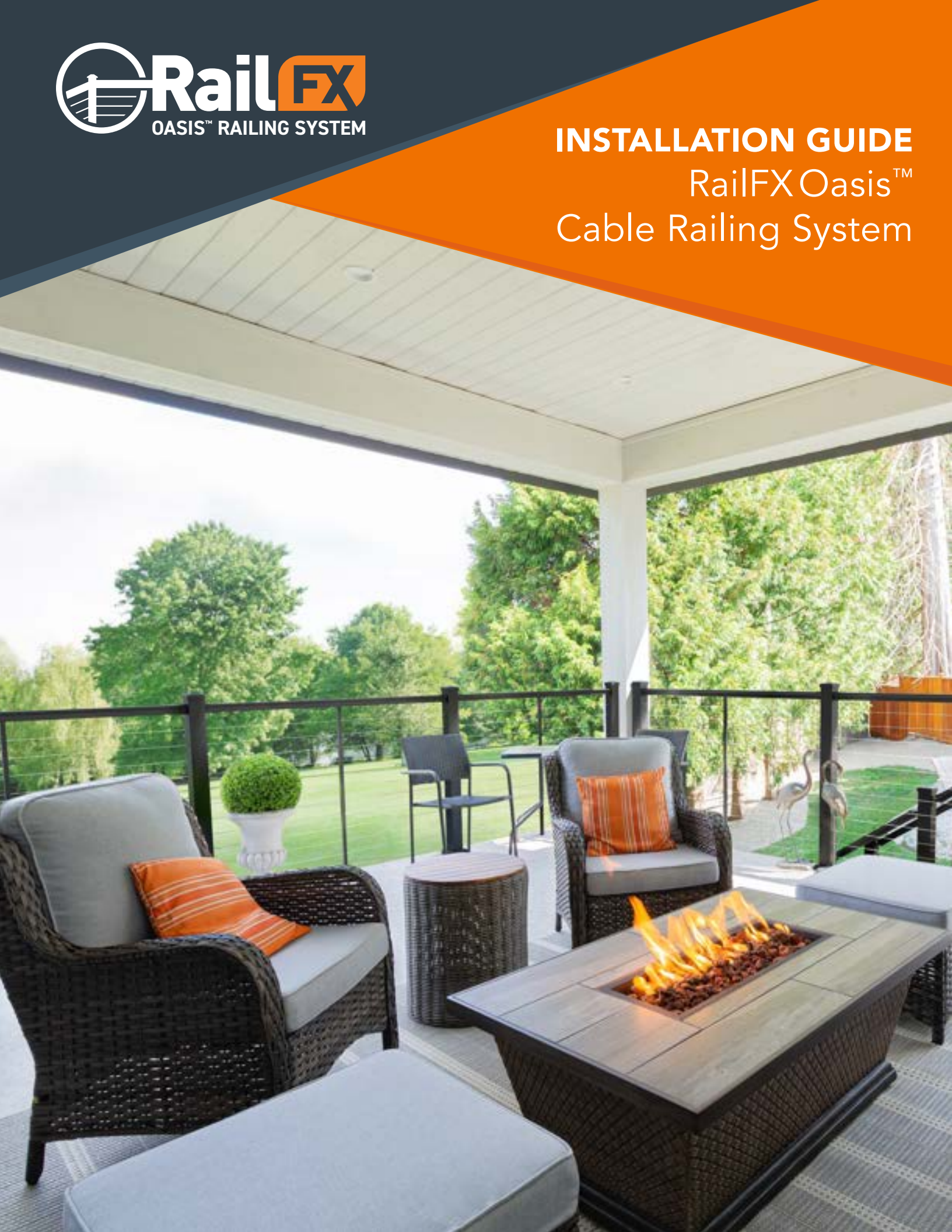


TABLE OF CONTENTS

RailFX OASIS™ CABLE RAILING OVERVIEW

The RailFX Oasis™ Aluminum Rail and Cable System has been designed, engineered and tested specifically for a cable application rail system. The aluminum framework and stainless-steel cable allows for railings to be lightweight while still retaining exceptional durability.

RAIL GUIDELINES

To comply with engineering and testing **posts must be spaced no more than 96" with a cable brace**. Unsupported cable span should not exceed 48". Cable brace included with top rail kit. Cables are spaced 3 1/8" on center to keep cable from deflecting beyond 4" to meet code. Cable can either terminate at the corner or run continuously through corners. Single corner posts can be used with cable running through the corner. Top rail is required for all railing installations.

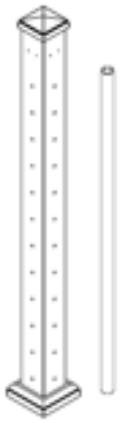
POSTS

RailFX Oasis™ posts for level and stair railings are pre-drilled, and ready for cable installation. Posts for stairs come with a base plate unattached to maximize installation flexibility which allows the post to accommodate most stair applications. All posts are available for surface mount only and available for 36" and/or 42" rail heights.

TOP RAIL

There is one top rail available for the RailFX Oasis™ Cable Railing System (shown on page 4). The rail insert is designed to slide into the top rail for a finished look and is used to secure cable braces.

COMPONENT GUIDE



Corner Post and Conduit Kit

End Post Kit

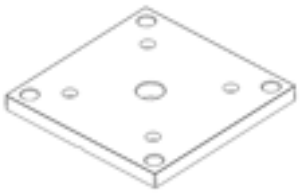
Intermediate Post Kit

Stair End Post Kit

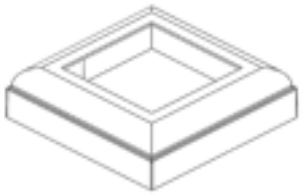
Stair Intermediate Post Kit

Top Rail with Rail Insert

HARDWARE / ACCESSORIES

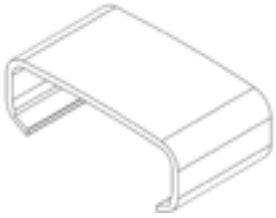


Post Base Plate



Base Trim

Post Cap



Saddle Bracket Cover

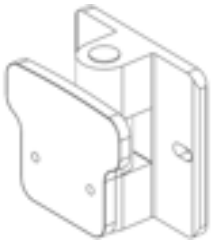
5/16" x 2" T-40 Self Tapping Stainless Steel Screws

3/8" x 5.5" Stainless Steel Lag Bolt

Note: Min. 5" thread length

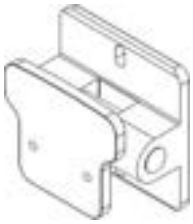
(Not included, user supplied)

Saddle Bracket



Horizontal Pivot Bracket

(Optional)



Stair Pivot Bracket

#8 x 1/2" Screw

#10 x 1" Screw

Cable Brace

RailFX Installation Kit for Classic and Low Profile Cable Kits

(Includes all tools necessary for cable kit installation)

***Alternative Structural Screw Options:**

A. It is structurally acceptable to use 5/16" 304/316 SS screws only for max. 38" tall posts with max. 48" post spacing, for all IBC compliant residential and commercial installations.

B. It is structurally acceptable to use 5/16" hardened 410 SS screws for max. 54" tall posts with max. 54" post spacing, for all IBC compliant residential and commercial installations.

C. It is structurally acceptable to use 5/16" hardened 410 SS screws for max. 54" tall posts with max. 96" post spacing, only for installations at IRC compliant one or two family dwellings.

D. Use only 3/8" diameter lag screws to attach post.

SURFACE MOUNT POST INSTALLATION

For 36" or 42" Oasis™ Aluminum Railing and Cable System

MATERIALS FOR INSTALLATION:

Surface Mount Post

3/8" x 5.5" Lag Bolts

Note: Min. 5" thread length

(customer supplied)

Post Cap

(Included with Post Kit)

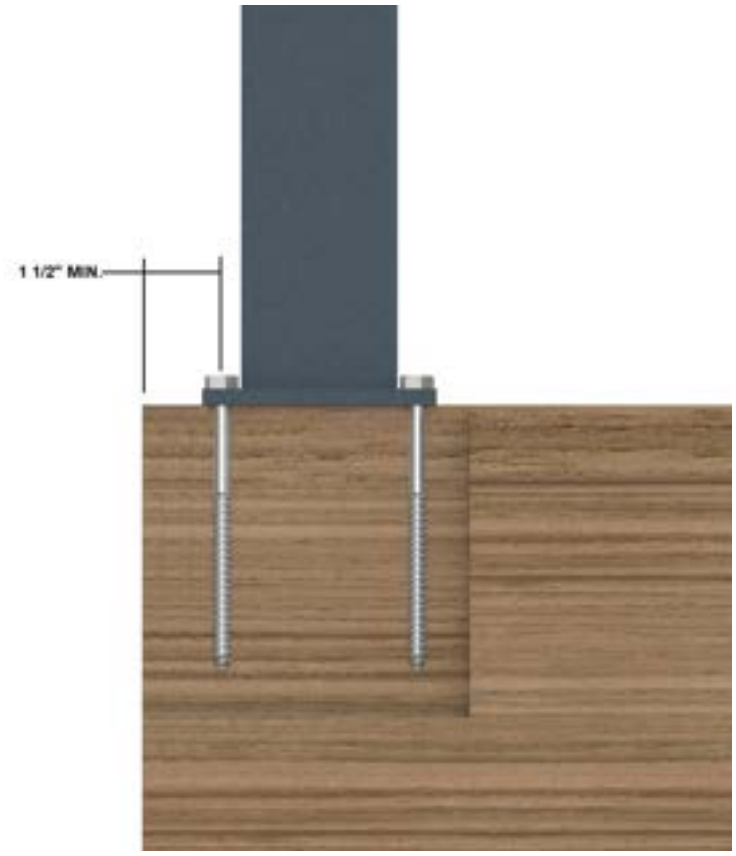
Post Base Trim

(Included with Post Kit)

It is the responsibility of the installer to meet all code and safety requirements and to obtain all required building permits. The deck and railing installer should determine and implement appropriate techniques for each installation situation. RailFX® or its distributors shall not be held liable for improper or unsafe installations. Determine appropriate layout and post spacing. **Maximum post spacing is 96" with cable brace.** Ensure that proper blocking is in place prior to mounting post. Minimum of 5" thread must be fully embedded into blocking.

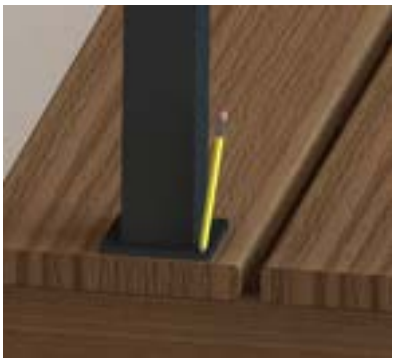
POST MOUNTING OPTIONS

- Wood blocking must be constructed with treated dimensional lumber.
- Secure wood blocking to deck frame on all four sides – using #10-3-1/2" deck screws.
- Wood blocking must be constructed with a minimum thickness of 1-1/2".
- Base plate edge MUST be positioned a minimum 1-1/2" from the edge of the deck framing.
- Secure each post with four lag screws.



SURFACE MOUNT POST INSTALLATION

36" or 42" RailFX Oasis™ Aluminum Railing and Cable System



Step 1

Determine location of post and mark hole locations.

Step 2

Remove post and pre-drill pilot holes (5/16" diameter.) to accept 3/8" diameter lag bolts.

Step 3

Install and drive lag bolt fasteners into blocking.

Step 4

Ensure post is plumb. If not adjust as needed utilizing composite shims or stainless steel washers. Tighten fasteners and ensure proper engagement of lag screws.

Step 5

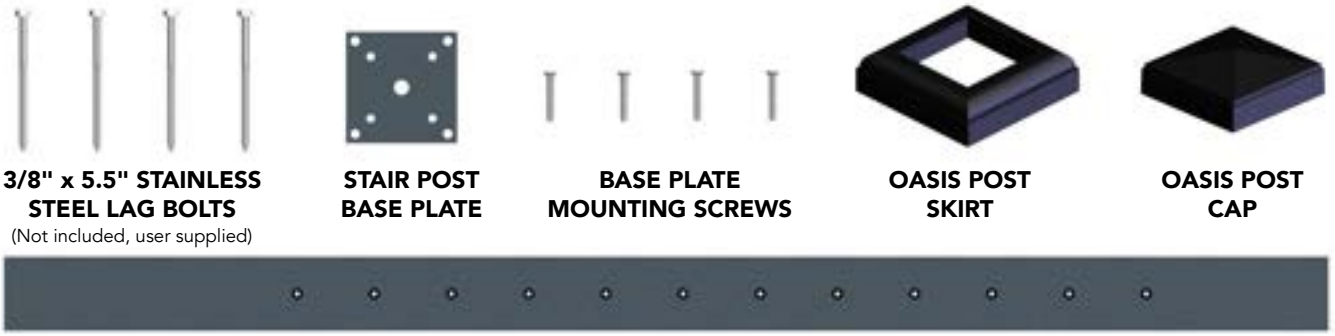
Slide post base trim over the top of the post and seat it over the post base plate.

Step 6

Post installation complete.

SURFACE MOUNT STAIR END POST

NOTE: Post comes long on top and bottom and will require trimming prior to installation.



3/8" x 5.5" STAINLESS STEEL LAG BOLTS
(Not included, user supplied)

STAIR POST BASE PLATE

BASE PLATE MOUNTING SCREWS

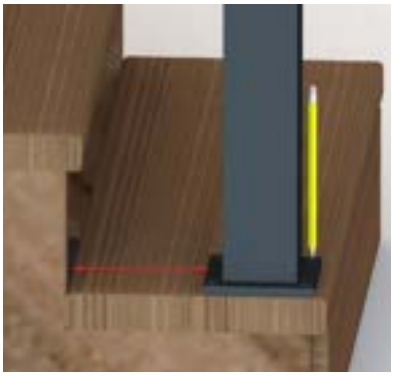
OASIS POST SKIRT

OASIS POST CAP

OASIS STAIR END POST

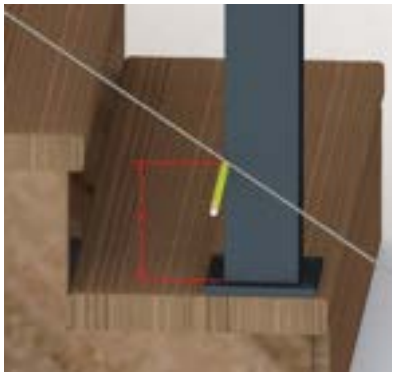
TOP OF POST

PRE-MOUNT INSTRUCTIONS Set base plate on stair tread in desired location and set post on top temporarily. This will aid in aligning the post-base plate assembly to the stair tread, in order to lay out the post holes to the correct angle of the stair.



Step 1

Locate end post on bottom stair tread in desired position. Mark hole locations.



Step 2

Insert cable into the first hole of top end post (previously mounted) and pull tightly alongside the end post. Ensure that cable is evenly spaced above the nose of the treads, then mark the post, using masking tape, where the cable intersects the post.

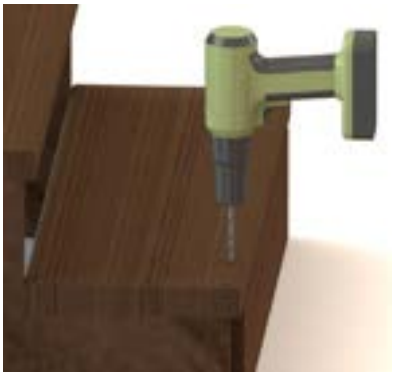
Step 3

For 42" railings, mark X dimension from bottom hole and mark post cut line. For 36" railings, mark X dimension from the 3rd hole from the bottom and mark post cut line. Cut post bottom at the cut line. Cut top of post to desired finished post height.

SURFACE MOUNT STAIR END POST (continued)

Step 4

Assemble base plate to post bottom using four Torx screws (Use wax for screw lubrication for easier install).



Step 5

At marked hole locations for stair end post, pre-drill pilot holes with a 5/16" drill bit to accept 3/8" diameter lag bolts.

Step 6

Mount post, ensuring large holes on post are on outside of stair. Install and drive 3/8" lag bolt fasteners into stair step and blocking.

Step 7

Ensure post is plumb. If not, adjust as needed utilizing composite shims or stainless steel washers. Tighten fasteners and ensure proper engagement of lag screws.

Step 8

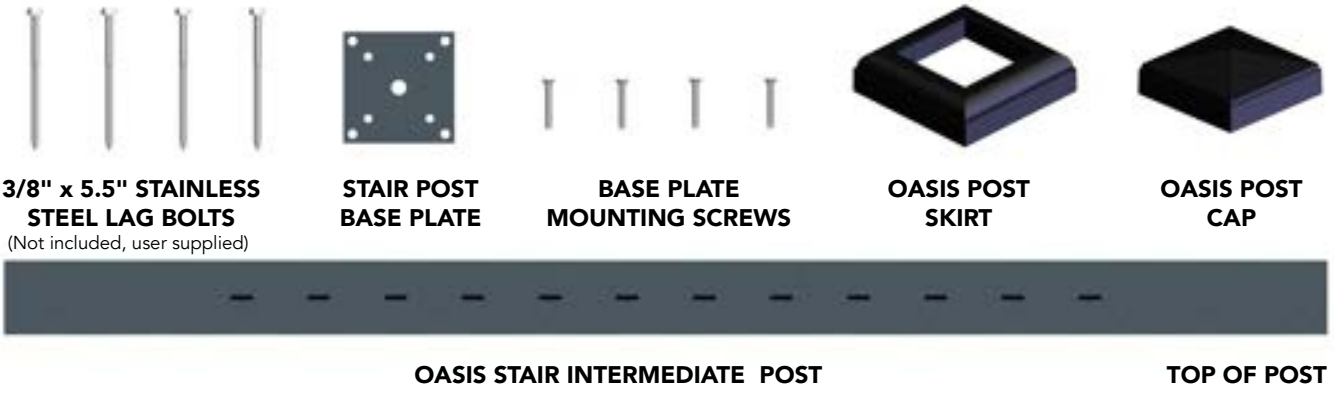
Slide post base trim over the top of the post and seat it over the post base plate.

Step 9

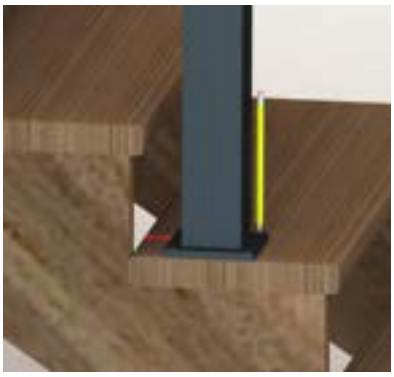
End post installation complete.

SURFACE MOUNT STAIR INTERMEDIATE POST

NOTE: Post comes long on top and bottom and will require trimming prior to installation.



PRE-MOUNT INSTRUCTIONS Set base plate on stair tread in desired location and set post on top temporarily. This will aid in aligning the post-base plate assembly to the stair tread, in order to lay out the post slots to the correct angle of the stair.



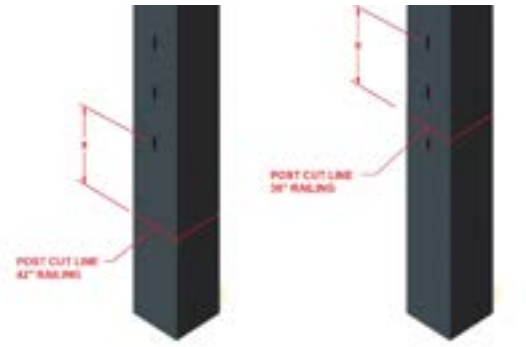
Step 1

Locate intermediate post on stair tread in desired position. Mark hole locations.

Step 2

Insert cable into the first hole of top end post (previously mounted) and pull tightly alongside the intermediate post. Ensure that cable is evenly spaced above the nose of the treads, then mark the post, using masking tape, where the cable intersects the post. This measures the bottom slot on the post to the new post bottom.

NOTE: Ensure that post slots on downside of post are positioned downward on the post.



Step 3

For 42" railings, mark X dimension from bottom slot and mark post cut line. For 36" railings, mark X dimension from the 3rd slot from the bottom and mark post cut line. Cut post bottom at the cut line. Cut top of post to desired finished post height.

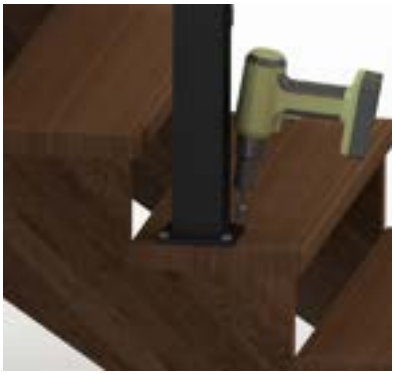
SURFACE MOUNT STAIR INTERMEDIATE POST (continued)

Step 4

Assemble base plate to post bottom using four Torx screws (Use wax for screw lubrication and easier install).

Step 5

At marked hole locations for stair end post, pre-drill pilot holes to accept 3/8" diameter lag bolts.



Step 6

Mount post, ensuring lower slots on post are on downward side of stair. Install and drive 3/8" lag bolt fasteners into stair step and blocking.

Step 7

Ensure post is plumb. If not, adjust as needed utilizing composite shims or stainless steel washers. Tighten fasteners and ensure proper engagement of lag screws.

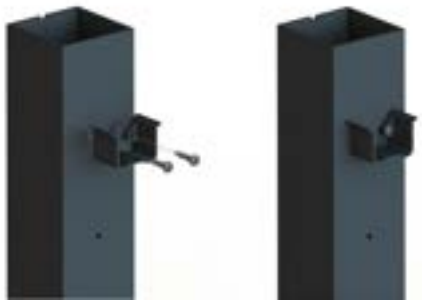
Step 8

Slide post base trim over the top of the post and seat it over the post base plate.

Step 9

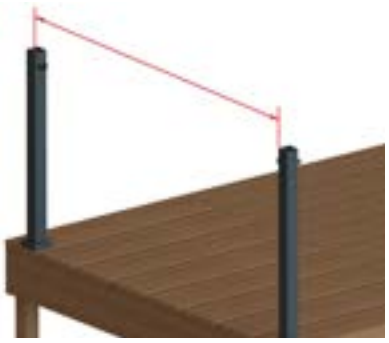
Intermediate post installation complete.

TOP RAIL LEVEL INSTALLATION



Rail Saddle Bracket

Install Saddle Brackets on the 2 horizontally positioned holes at the top of the post using provided #10 x 1" self-drilling screws. Assemble brackets on all remaining level posts.



Cutting Top Rail & Rail Insert

Remove the Rail Insert from the Top Rail. Measure the distance between posts, subtract 7/8", and cut Top Rail squarely using a saw to this length. Next, using the distance between posts previously measured, subtract 1/4" and cut Rail Insert to this length.

Locating Top Rail – Insert

Slide Rail Insert back into Top Rail once cut to the correct length. Slide Saddle Bracket Covers over the top of the rail (approx. 3"- 4"). Ensure Rail Insert is centered within Top Rail.

IMPORTANT: Post spans greater than 48" require a cable brace. Before securing top rails, follow Cable Brace Installation Instructions on page 15.

Securing Top Rails

Drop Top Rail and Rail Insert into the Saddle Bracket and tap Saddle Bracket Cover using wood stick or non-marring tool and soft hammer to lock Top Rail and Rail Insert onto Saddle Bracket. Install #10 x 1" self-drilling screw through Saddle Bracket hole to fasten securely onto Saddle Bracket.

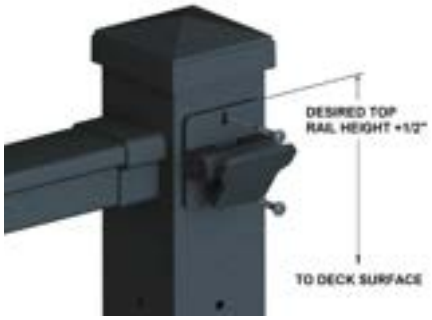
Finish Top Rail Install

Continue top rail installation on all remaining level posts.

Install Post Caps

Place Post Caps over remaining level posts. Lightly tap with a soft hammer to ensure caps are fully seated on post.

TOP RAIL STAIR INSTALLATION



Stair Pivot Bracket

Measure from the surface of your deck to the desired rail height and add 1/2". At this location, center Stair Pivot Bracket on post and mark location. Top of bracket base should be located at desired rail height +1/2". Secure bracket to post using 2 ea. #10 x 1" self-drilling screws.

Attach Saddle Brackets

Attach Saddle Bracket to Stair Pivot Bracket using 2 #10-24 x 7/16" screws. Rotate Stair Pivot Bracket so mounting plate is perpendicular to stair angle.

Saddle Brackets - Int Posts

Continue attaching remaining Stair Pivot Brackets and Saddle Brackets to Stair Intermediate and Stair End Posts.

NOTE: Ensure Stair Pivot Bracket on backside of Stair. Intermediate Post is in line with front side of post.

Measuring Stair Rail Length

Remove the Rail Insert from the Top Rail. Measure the distance between Stair Pivot Bracket mounting plates, subtract 7/8", and cut Top Rail squarely using a saw to this length. Next, using the distance between Stair Pivot Bracket mounting plate previously measured, subtract 1/4" and cut Rail Insert to this length.

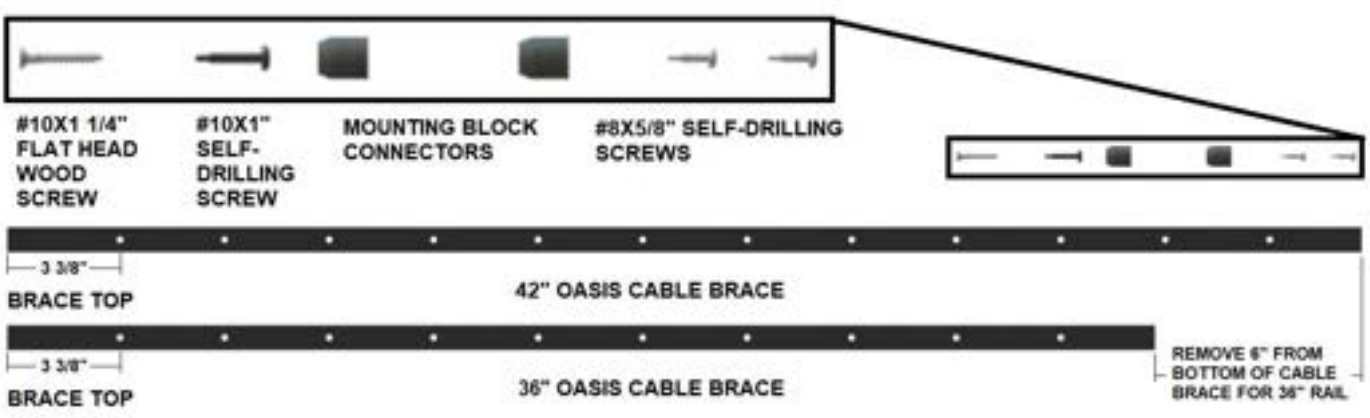
Locating Top Rail - Rail Insert

Slide Rail Insert back into Top Rail once cut to the correct length. Slide Saddle Bracket covers 3-4" over cut Top Rail and Rail Insert. Drop the Top Rail and Rail Insert into Saddle Brackets.

Securing Top Rails

Tap Saddle Bracket Cover using wood stick or non-marring tool and soft hammer to lock Top Rail and Rail Insert onto Saddle Bracket. Install #10 x 1" self-drilling screw through Saddle Bracket hole to fasten securely onto Saddle Bracket.

CABLE BRACE INSTALLATION



IMPORTANT: The cable brace has a top and bottom. The top of the cable brace can be found by measuring the distance from the end of the brace to the center of the first hole. This distance will measure 3 3/8" from the top. For 36" Railing Height, you will need to cut 6" from the bottom of the cable brace.

Step 1

Locate center of Top Rail-Rail Insert assembly and fasten the Mounting Block Connector to underside of assembly using one #10 x 1" self-drilling screw (supplied). Ensure screw head bottoms out on the inside of the Mounting Block Connector.

CAUTION: Do not overtighten.

Step 2

Push Cable Brace onto Mounting Block Connector and ensure that the Cable Brace is seated firmly, and cable holes are oriented in the direction of the cable run.

NOTE: Ensure that the Cable Brace Top is inserted into the Connector. First hole spacing is greater at the top than the bottom.

Step 3

Drop Top Rail-Rail Insert with Cable Brace onto Saddle Brackets between Posts. Use level to ensure that Cable Brace is squared and in proper alignment with cable run direction. Once Cable Brace is squared, hold bottom of brace in position and move to Step 4.

CABLE BRACE INSTALLATION (continued)

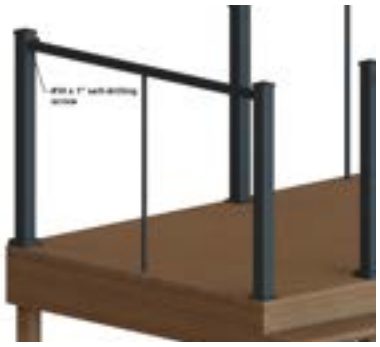
Step 4

With pencil, mark around the 4 sides of the Cable Brace. This will ensure the correct placement of the Mounting Block Connector. Once the position of the Cable Brace is marked, remove the Top Rail-Rail Insert with Cable Brace from the Saddle Brackets.

Step 5

Center Mounting Block Connector within the pencil marks locating the Cable Brace. Secure the connector using one #10 x 1 ¼" flat head wood screw. Ensure screw head bottoms out on the inside of the Mounting Block Connector.

CAUTION: Do not overtighten.



Step 6

Drop Top Rail-Rail Insert with Cable Brace onto Saddle Brackets between Posts, ensuring bottom of Cable Brace is inserted into the Mounting Block Connector on deck surface. Secure Top Rail assembly using one #10 x 1" self-drilling screw through Saddle Bracket bottom on each post. Slide Saddle Bracket Covers on both posts over the Saddle Brackets.

Step 7

With supplied #8 x 5/8" self-drilling screws, secure Cable Brace to bottom Mounting Block Connector. Screw should be centered on Cable Brace and located ½" from bottom of Cable Brace.

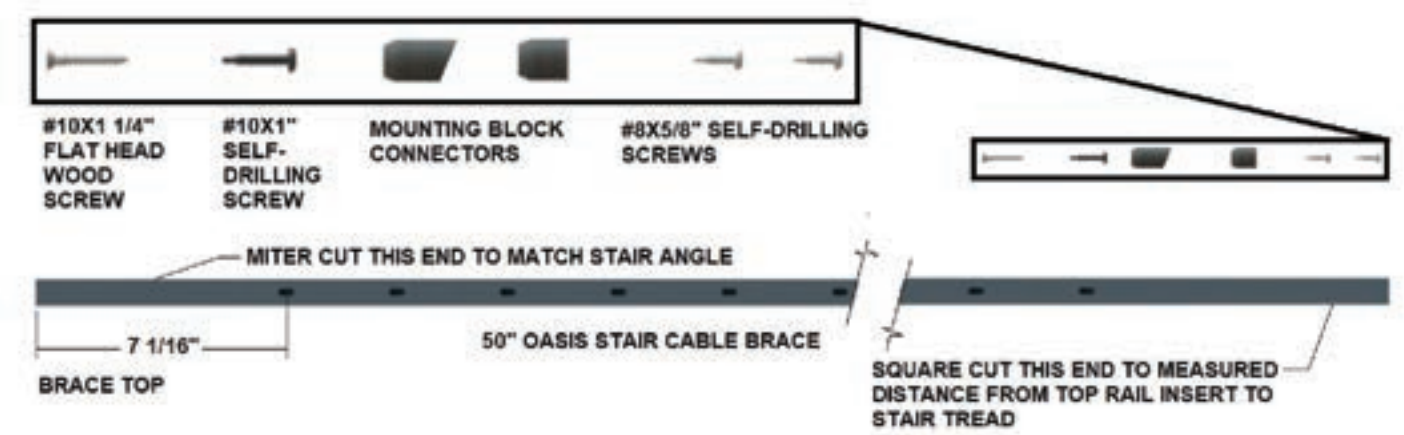
Step 8

With supplied #8 x 5/8" self-drilling screws, secure Cable Brace to top Mounting Block Connector. Screw should be centered on Cable Brace and located ½" from top of Cable Brace.

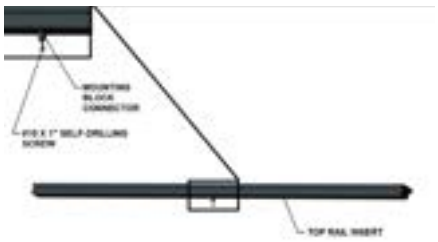
Step 9

Upon completion of Cable Brace installation, follow steps to secure the top rail as shown on page 13 and 14.

STAIR CABLE BRACE INSTALLATION



IMPORTANT: The stair cable brace has a top and bottom. The top of the cable brace can be found by measuring the distance from the end of the brace to the center of the first slot. This distance will measure 7 1/16" from the top.



Step 1

First determine the stair angle, then modify, if necessary, the angle of the Mounting Block Connector. NOTE: The angle of the existing part is 34 degrees. Next, locate center of Top Rail-Rail Insert assembly and fasten the Mounting Block Connector to underside of assembly using one #10 x 1" self-drilling screw (supplied). Ensure screw head bottoms out on the inside of the Mounting Block Connector.

CAUTION: Do not overtighten.

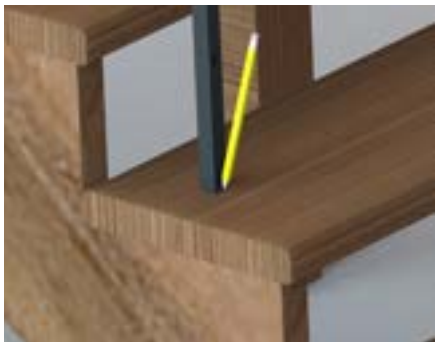
Step 2

Miter cut the Stair Cable Brace to the stair angle, ensuring that the slots are oriented properly in the cable direction and the cut is measured to align to the cable run. Push Cable Brace onto Mounting Block Connector and ensure that the Cable Brace is seated firmly. Secure with #8 x 5/8" self-drilling screw.

Step 3

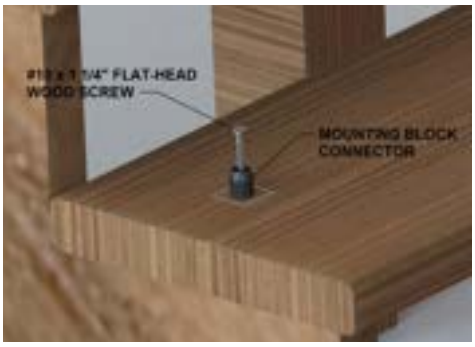
Drop Top Rail-Rail Insert with Stair Cable Brace onto Saddle Brackets between Posts. Use level to ensure that Cable Brace is squared and in proper alignment with cable run direction. Once Cable Brace is squared, hold bottom of brace in position and move to Step 4.

STAIR CABLE BRACE INSTALLATION (continued)



Step 4

With pencil, mark around the 4 sides of the Cable Brace. This will ensure the correct placement of the Mounting Block Connector. Once the position of the Cable Brace is marked, remove the Top Rail-Rail Insert with Stair Cable Brace from the Saddle Brackets.



Step 5

Center Mounting Block Connector within the pencil marks locating the Cable Brace. Secure the connector using one #10 x 1 ¼" flat head wood screw. Ensure screw head bottoms out on the inside of the Mounting Block Connector.

CAUTION: Do not overtighten.

Step 6

Drop Top Rail-Rail Insert with Cable Brace onto Saddle Brackets between Posts, ensuring bottom of Cable Brace is inserted into the Mounting Block Connector on deck surface. Secure Top Rail assembly using one #10 x 1" self-drilling screw through Saddle Bracket bottom on each post. Slide Saddle Bracket Covers on both posts over the Saddle Brackets.

Step 7

With supplied #8 x 5/8" self-drilling screws, secure Stair Cable Brace to bottom Mounting Block Connector. Screw should be centered on Cable Brace and located ½" from bottom of Cable Brace.

Step 8

With supplied #8 x 5/8" self-drilling screws, secure Cable Brace to top Mounting Block Connector. Screw should be centered on Stair Cable Brace and located ½" from top.

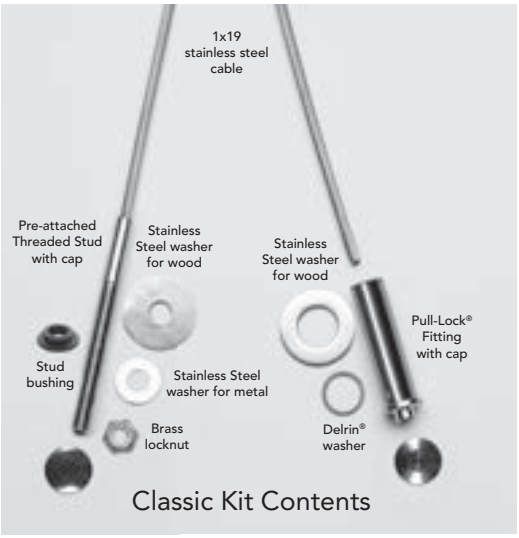
Step 9

Upon completion of Cable Brace installation, follow steps to secure the top rail as shown on page 13 and 14.

RAILFX OASIS™ CABLE INSTALLATION GUIDE

Install Tensioning Terminal

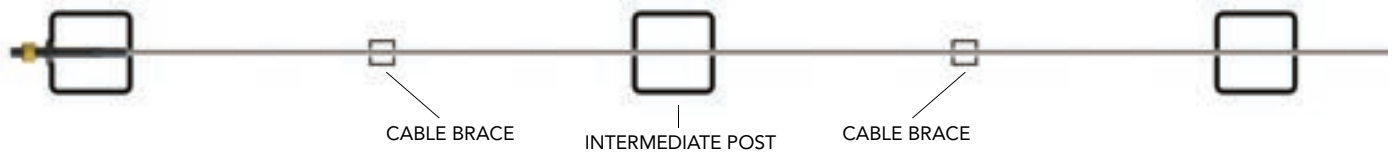
Install the Threaded Stud end first. Feed the cable and stud through the end post. Start by inserting the plastic stud bushing into the pre-drilled hole in the post. Slide the stainless-steel washer onto the Threaded Stud and start the brass locknut onto the threads as far as possible by hand.



NOTE: Parts must be kept clean and free of debris before installation for best results.

Feed Cable Through Intermediate Posts

Feed the bare end of the cable through all intermediate posts/cable braces and through the end post where you will be installing the Pull-Lock® fitting.



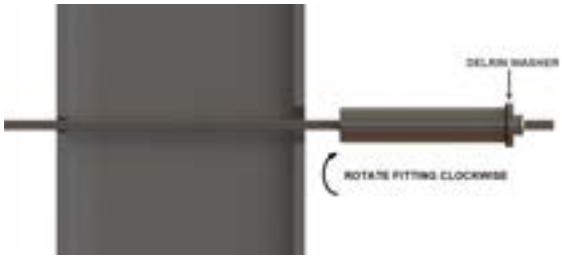
Feed Cable Through Corner Posts

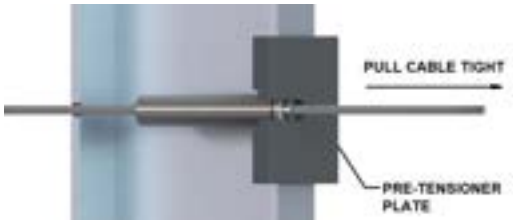
Instructions for going through corners can be found on page 18.

Install Swageless Terminal

Slip the Delrin washer over the body of the Pull-Lock® fitting. At the terminal end post, rotate the Pull-Lock® fitting clockwise as you push it onto the cable. If the cable begins to "unravel," you are rotating the fitting in the wrong direction. Once the cable is through the fitting, pull the cable while using the Pre-Tensioning Block to hold the Pull-Lock® fitting firmly in the hole on the post. With the Pre-Tensioning Block holding the fitting, pull the cable with pliers as tightly as possible.

NOTE: Longer runs of cable and cables that go around corners need to be pretensioned.

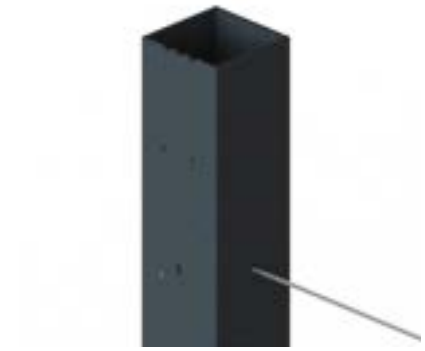




SINGLE CORNER POST CABLE INSTALLATION

Step 1: Bend and Insert Cable

Create a bend in cable to allow for easier insertion into post. Do not fray cable end.



Step 2: Run Cable

Insert and pull through on all cables on post.

NOTE: Cables must be pushed through as well as pulled.

Step 3: Create a Loop

Push cable back into post creating a loop.

Step 4: Insert Conduit

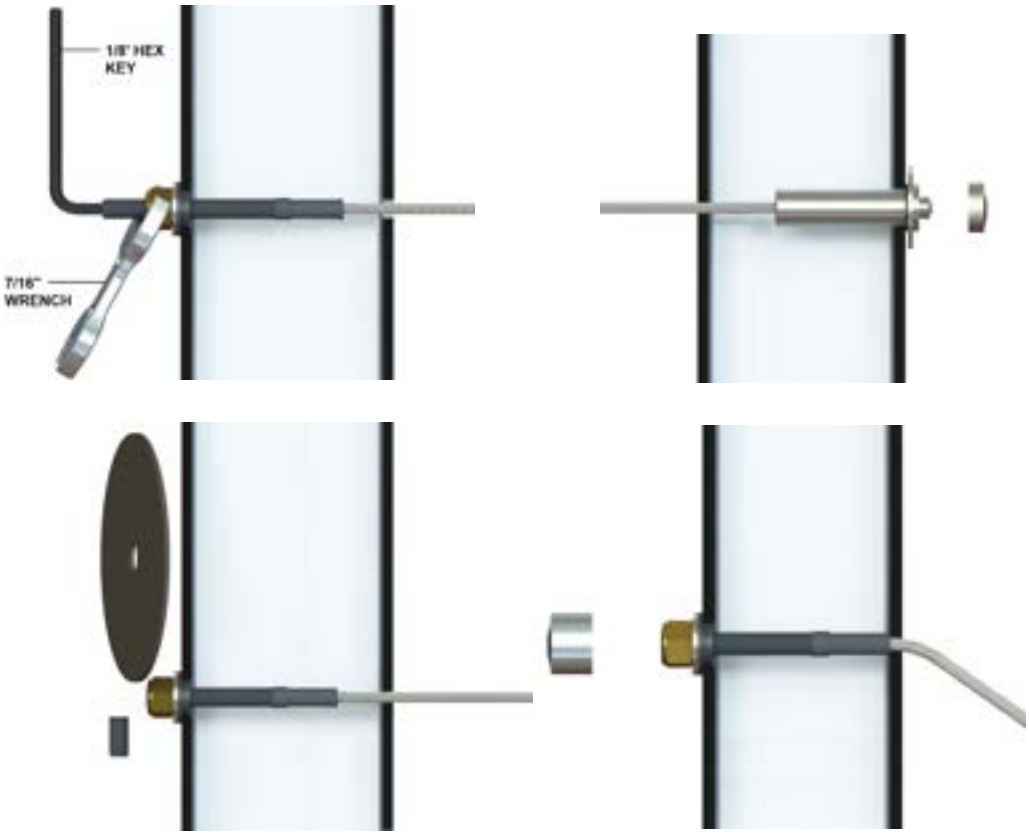
Insert conduit into post and align to inside corner. Pull cables tight to conduit.

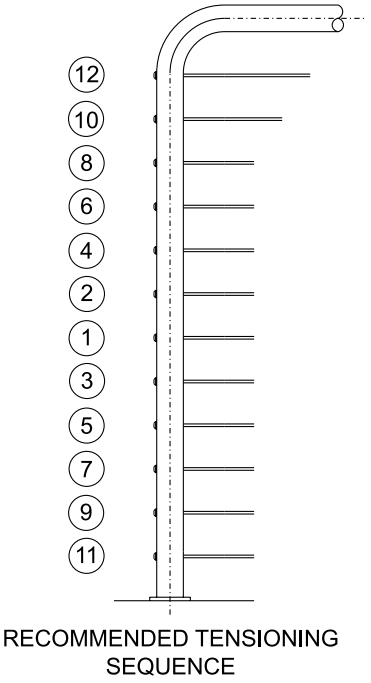
NOTE: FOR EASE OF INSTALLATION, USE OPTIONAL CURVED LACING NEEDLE.

RAILFX OASIS™ CABLE INSTALLATION GUIDE (continued)

Tension Cables

Return to the Threaded Stud end post. Insert an 1/8" hex wrench into broached opening on the tip of the stud. Tighten the locknut with a 7/16" wrench while holding the hex wrench to prevent the stud from turning.





RECOMMENDED TENSIONING SEQUENCE

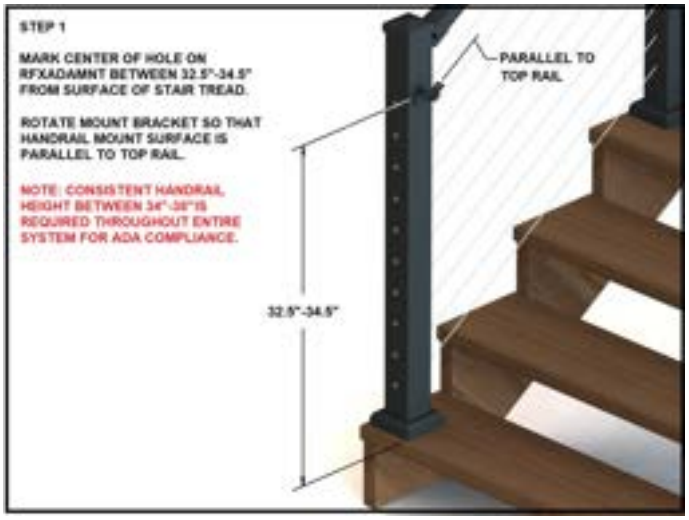
Tension all cables to 225 lbs. of tension in sequence, beginning with the center cables, moving up and down toward the top and bottom. Prior to tensioning each cable, give it a sharp pull downward mid-span to help set the wedges, then re-tension as necessary in the same sequence. Be aware that the cable may move toward the tension terminal as the wedges seat.

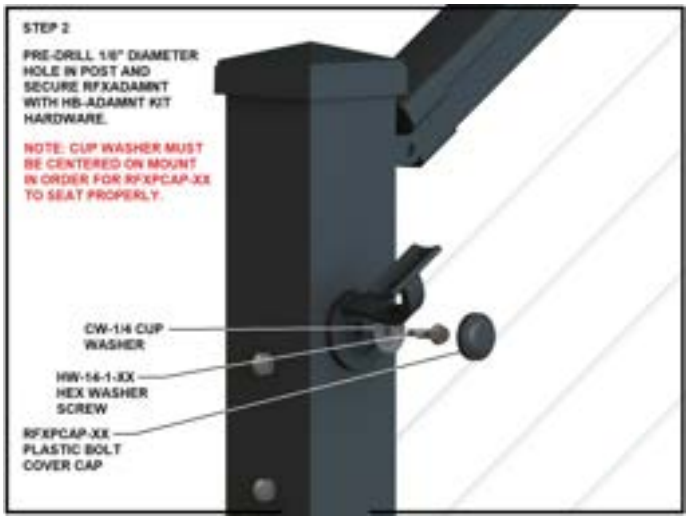
NOTE: Cut excess thread from threaded stud so end is flush with the end of the Ny-Lock hex nut. Twist and push cap onto nut. Cut the cable flush with the hole in the back of the Pull-Lock® fitting using a cut-off wheel, then press cap onto fitting.

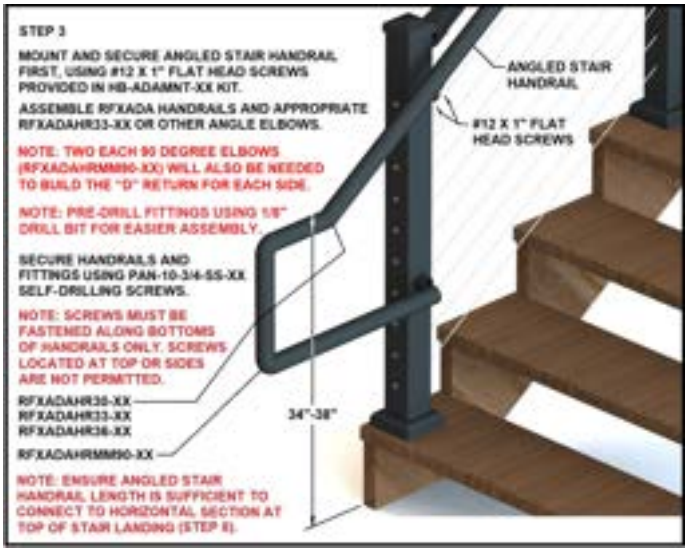
RAILFX OASIS™ ADA INSTALLATION INSTRUCTIONS

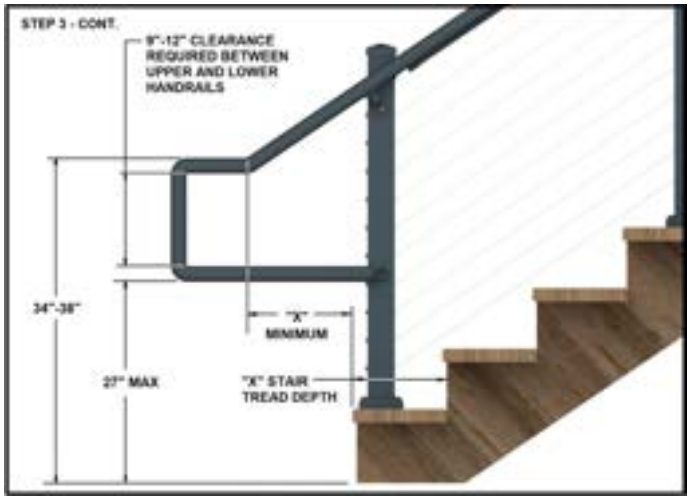
Note: Read instructions fully before beginning installation.

Parts Required:

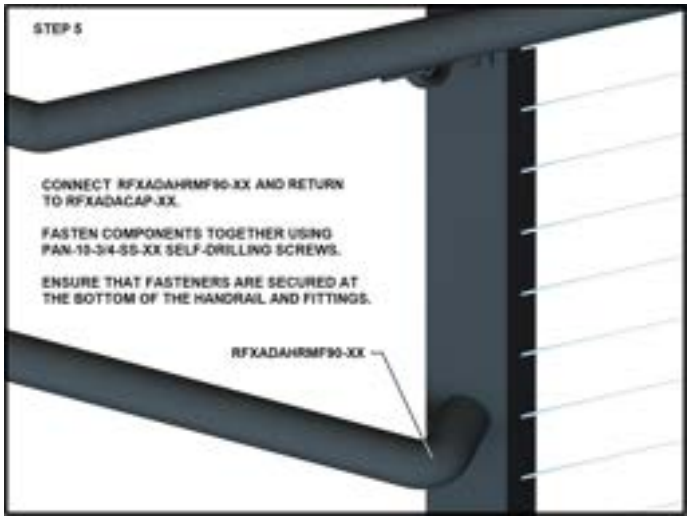





STEP 3
MOUNT AND SECURE ANGLED STAIR HANDRAIL FIRST, USING #12 X 1" FLAT HEAD SCREWS PROVIDED IN HB-ADAMNT-XX KIT.
ASSEMBLE RFXADA HANDRAILS AND APPROPRIATE RFXADAHR33-XX OR OTHER ANGLE ELBOWS.
NOTE: TWO EACH 90 DEGREE ELBOWS (RFXADAHRMM90-XX) WILL ALSO BE NEEDED TO BUILD THE "D" RETURN FOR EACH SIDE.
NOTE: PRE-DRILL FITTINGS USING 1/8" DRILL BIT FOR EASIER ASSEMBLY.
SECURE HANDRAILS AND FITTINGS USING PAN-10-3/4-SS-XX SELF-DRILLING SCREWS.
NOTE: SCREWS MUST BE FASTENED ALONG BOTTOMS OF HANDRAILS ONLY. SCREWS LOCATED AT TOP OR SIDES ARE NOT PERMITTED.
RFXADAHR30-XX
RFXADAHR33-XX
RFXADAHR36-XX
RFXADAHRMM90-XX
NOTE: ENSURE ANGLED STAIR HANDRAIL LENGTH IS SUFFICIENT TO CONNECT TO HORIZONTAL SECTION AT TOP OF STAIR LANDING (STEP 8).
ANGLED STAIR HANDRAIL
#12 X 1" FLAT HEAD SCREWS
34"-38"


STEP 3 - CONT.
9"-12" CLEARANCE REQUIRED BETWEEN UPPER AND LOWER HANDRAILS
34"-38"
"X" MINIMUM
27" MAX
"X" STAIR TREAD DEPTH

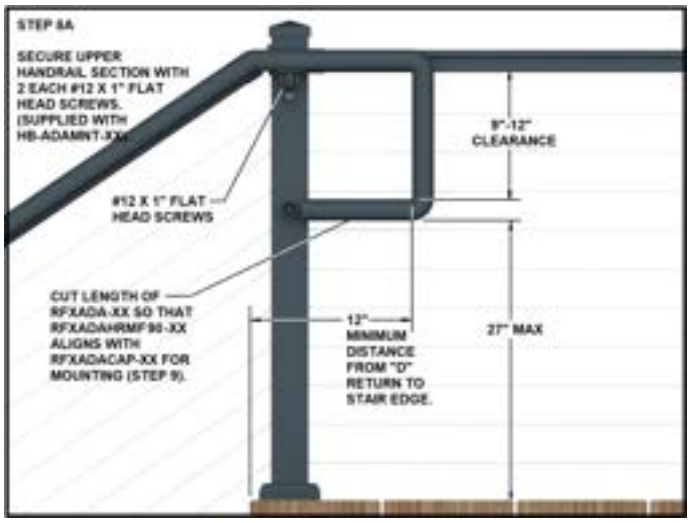

STEP 4
SECURE "D" RETURN SECTION TO ANGLED STAIR RAIL USING PAN-10-3/4-SS-XX SELF-DRILLING SCREWS PROVIDED IN HB-ADAMNT-XX KITS.
NOTE: PRE-DRILL FITTINGS USING 1/8" DRILL BIT FOR EASIER ASSEMBLY.
PAN-10-3/4-SS-XX
RFXADACAP-XX (DRILL CLEARANCE HOLE FOR #10 SCREW INTO CAP BEFORE MOUNTING)
MOUNT RFXADACAP-XX AND CENTER ON POST, ENSURING CAP IS ALIGNED TO "D" RETURN. DRILL 1/8" PILOT HOLE INTO POST. USE PAN-10-3/4-SS-XX TO SECURE CAP INTO POST.


STEP 5
CONNECT RFXADAHRMF90-XX AND RETURN TO RFXADACAP-XX.
FASTEN COMPONENTS TOGETHER USING PAN-10-3/4-SS-XX SELF-DRILLING SCREWS.
ENSURE THAT FASTENERS ARE SECURED AT THE BOTTOM OF THE HANDRAIL AND FITTINGS.
RFXADAHRMF90-XX


STEP 6
POSITION RFXADAMNT-XX MOUNT CENTERED ON EACH INTERMEDIATE STAIR POST AND SNUG UNDER HANDRAIL. ENSURE HANDRAIL IS PARALLEL TO TOP RAIL. PRE-DRILL 1/8" HOLES INTO HANDRAIL AND SECURE MOUNT USING HARDWARE PROVIDED IN HB- ADAMNT-XX KIT (SEE STEP 2).
SECURE HANDRAIL TO MOUNT USING #12 X 1" FLAT HEAD SCREWS.
#12 X 1" FLAT HEAD SCREWS
SEE STEP 2
NOTE: WHEN RETURNING THE RFXADASNT SPLICE TO CONNECT 2 HANDRAIL SECTIONS TOGETHER, SLIDE SPLICE INTO HANDRAIL SECTION AND PRE-DRILL 1/8" HOLE INTO BOTH, ENSURING THAT SPLICE SECTION IS ROTATED TO ENSURE THAT DRILL CONNECTS INTO EXTRUDED SECTION OF SPLICE. REPEAT ON CONNECTING HANDRAIL SECTION AND SECURE USING 2 PAN-10-3/4-SS-XX SELF-DRILLING SCREWS. SCREWS MUST BE LOCATED AT BOTTOM OF HANDRAIL FOR ADA COMPLIANCE.

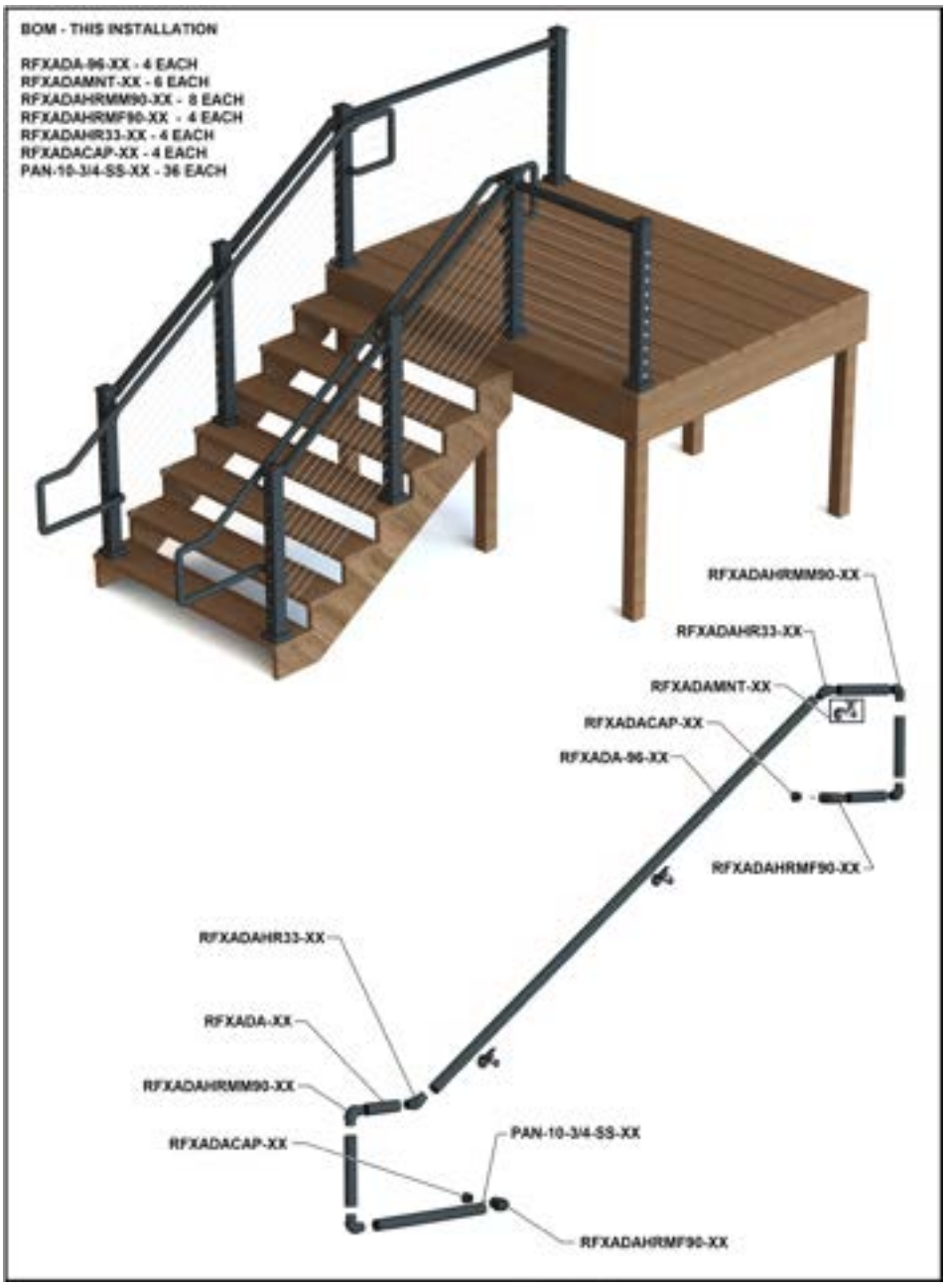

STEP 7
MARK CENTER OF HOLE ON RFXADAMNT-XX BETWEEN 31.5"-33.5" FROM DECK SURFACE.
NOTE: INSTALL MOUNT AS DESCRIBED IN STEP 2 OF INSTRUCTION.
31.5"-33.5"

RAILFX OASIS™ ADA INSTALLATION INSTRUCTIONS



RAILFX OASIS™ ADA INSTALLATION INSTRUCTIONS

Materials List:



RAILFX OASIS™ DRINK RAIL ADAPTER (DRA) – POST-TO-POST INSTALLATION INSTRUCTIONS

Note: Read instructions fully before beginning installation.

For new installs – with 1" thick drink rail deck boards, installation requires lowering rail height by ¼".

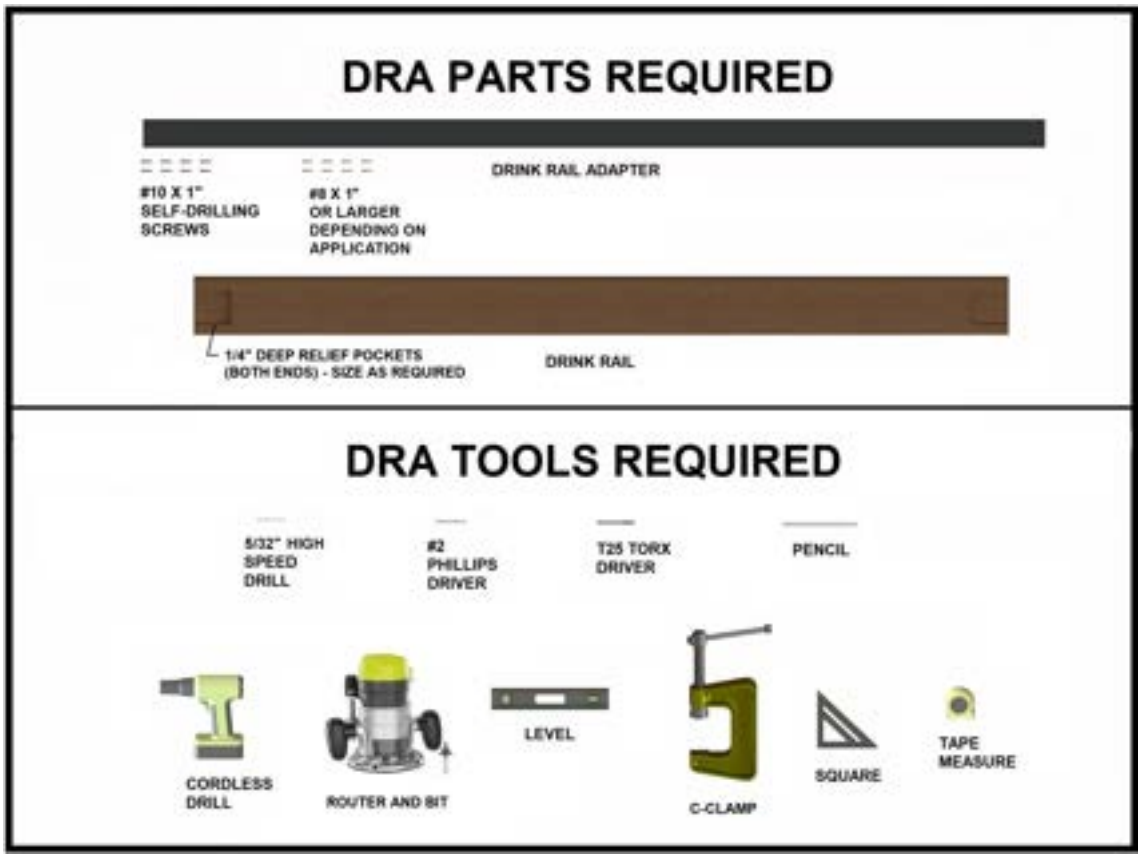
Important:

1. When using 1" thick deck boards for drink rails, installaton is not retrofittable.

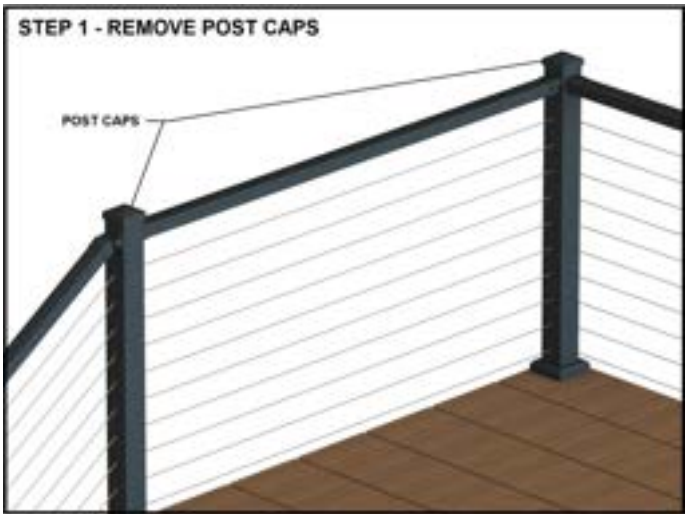
2. Drink rails must be ¾" thick or less for retrofit.

3. Drink rail adapters are not to be used for ADA compliance. Additional handrail required for ADA.

Parts Required:

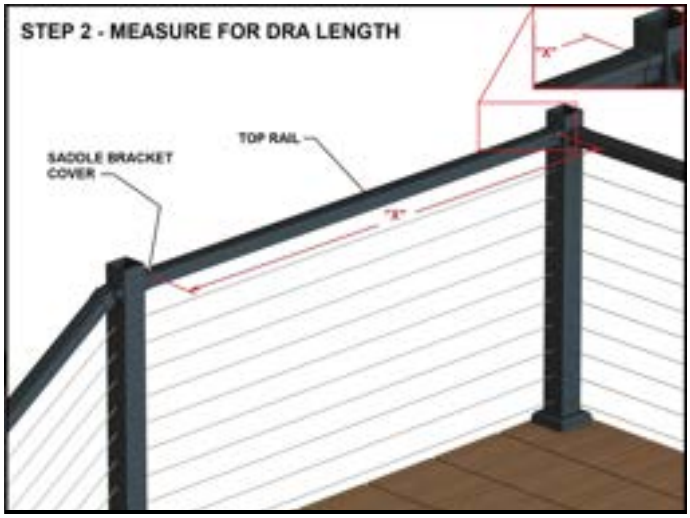


RAILFX OASIS™ DRINK RAIL ADAPTER (DRA) – POST-TO-POST INSTALLATION INSTRUCTIONS



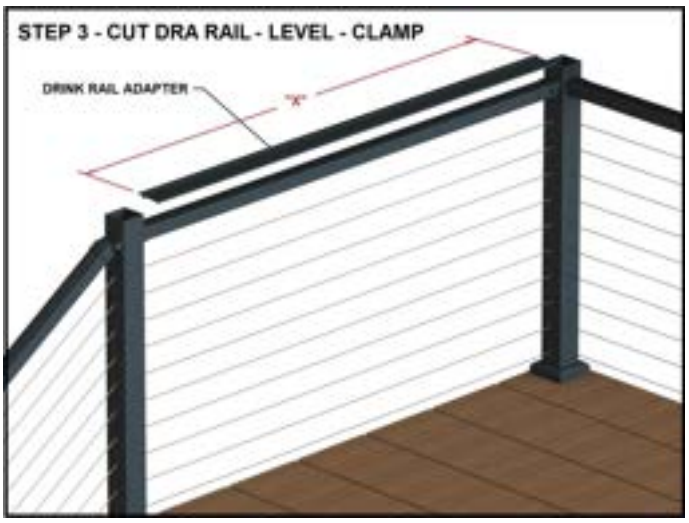
Step 1

Remove post caps from posts. This clearance is required to install the drink rail adapter and drink rail.



Step 2

Measure distance between insides of saddle bracket covers located at both ends of top rail.



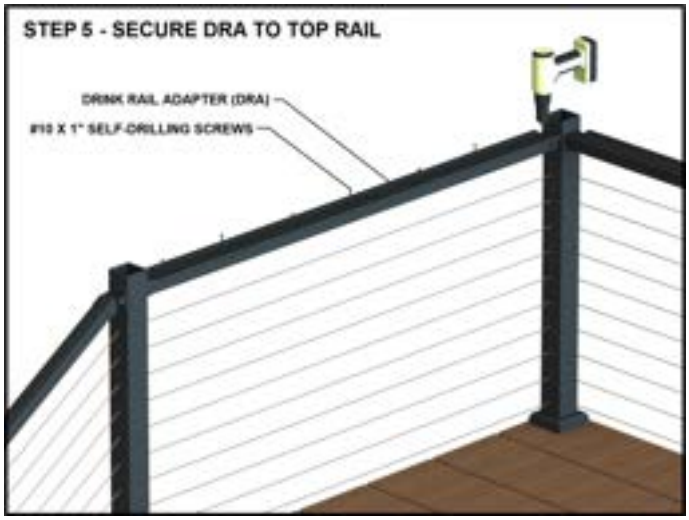
Step 3

Cut drink rail adapter (DRA) to "x" measurement from step 2. Lay over top rail and ensure adapter sits on top rail squarely and top surfaces are level and clamp to secure.

Step 4

Drill 5/32" pilot holes through both DRA and top rail. Holes should be located 1"-2" from ends of DRA and spaced 10"-12" apart. Drill holes in line down the center of the adapter.

RAILFX OASIS™ DRINK RAIL ADAPTER (DRA) – POST-TO-POST INSTALLATION INSTRUCTIONS

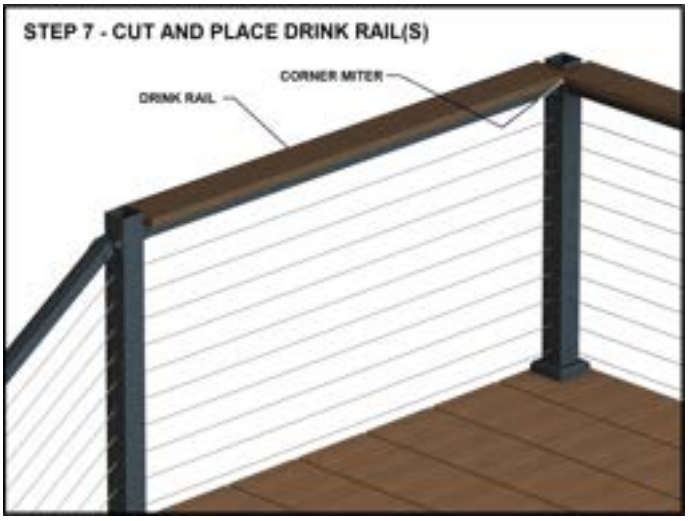


Step 5

Secure DRA to top rail using supplied #10 x 1" self-drilling screws. Ensure DRA is level.

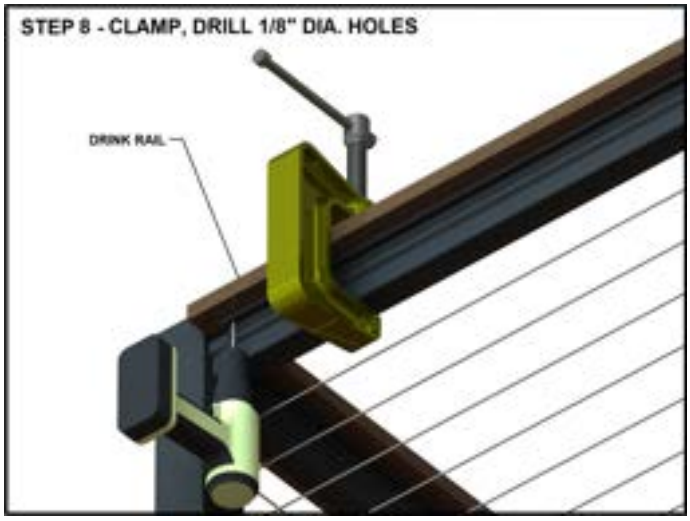
Step 6

Measure inside to inside of posts. This is the cut length for the drink rail.



Step 7

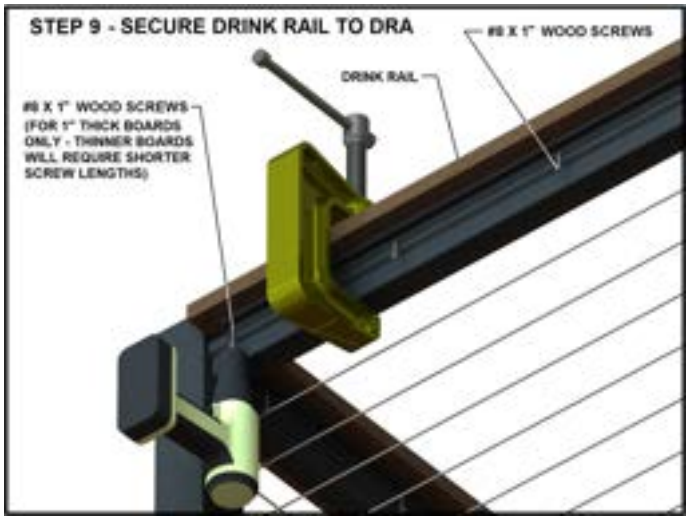
Cut drink rail to "x" dimension from step 6. Place drink rail(s) over DRA and ensure they are level and centered evenly on DRA. Note: Inside corners may be mitered if necessary.



Step 8

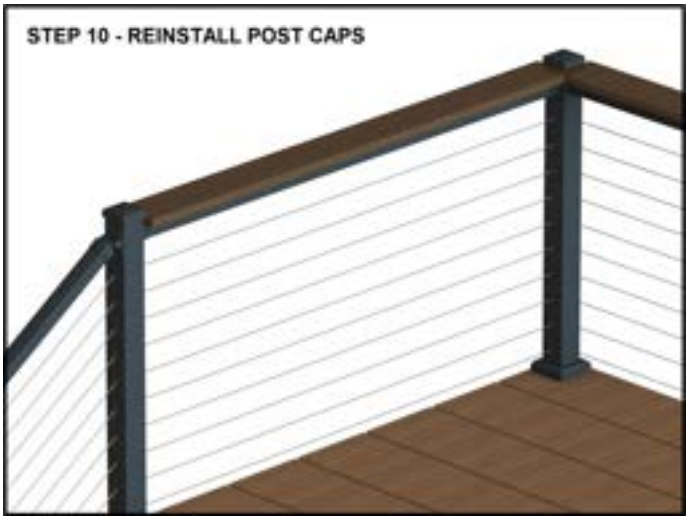
Center drink rail(s), clamp and drill 1/8" holes through both DRA and drink rail. Holes should be located 1/2" from ends of DRA and spaced 10"-12" apart. Note: Pilot hole in drink rail to be 1/4"-1/2' deep.

RAILFX OASIS™ DRINK RAIL ADAPTER (DRA) – POST-TO-POST INSTALLATION INSTRUCTIONS



Step 9

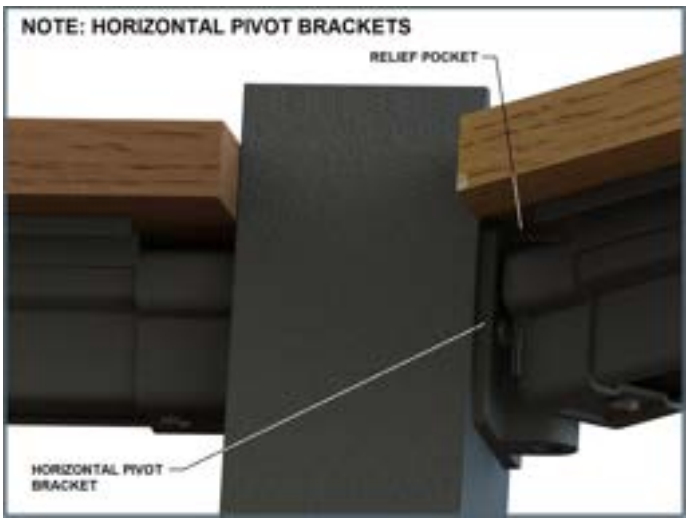
Drive screws through DRA and Drink Rail. Ensure screws are seated on Drink Rail Adapter and there is no movement of the Drink Rail.



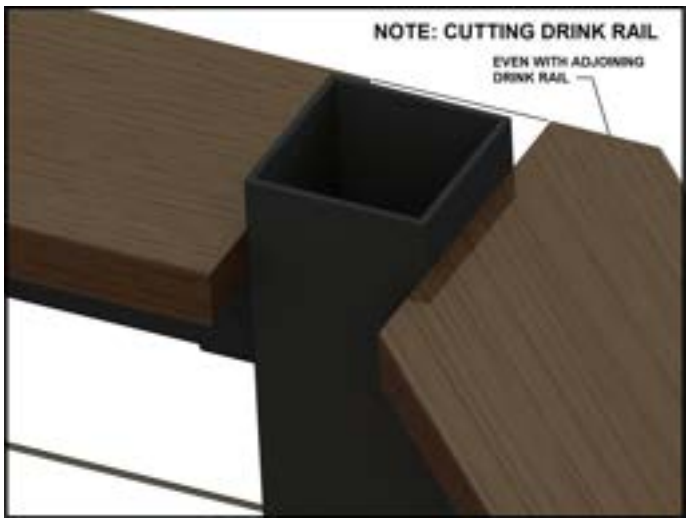
Step 10

Reinstall post caps.

NOTE: FOR INSTALLATIONS USING HORIZONTAL PIVOT BRACKETS



Note: Drink rail bottom must have relief pocket to provide clearance for the horizontal pivot bracket when used.



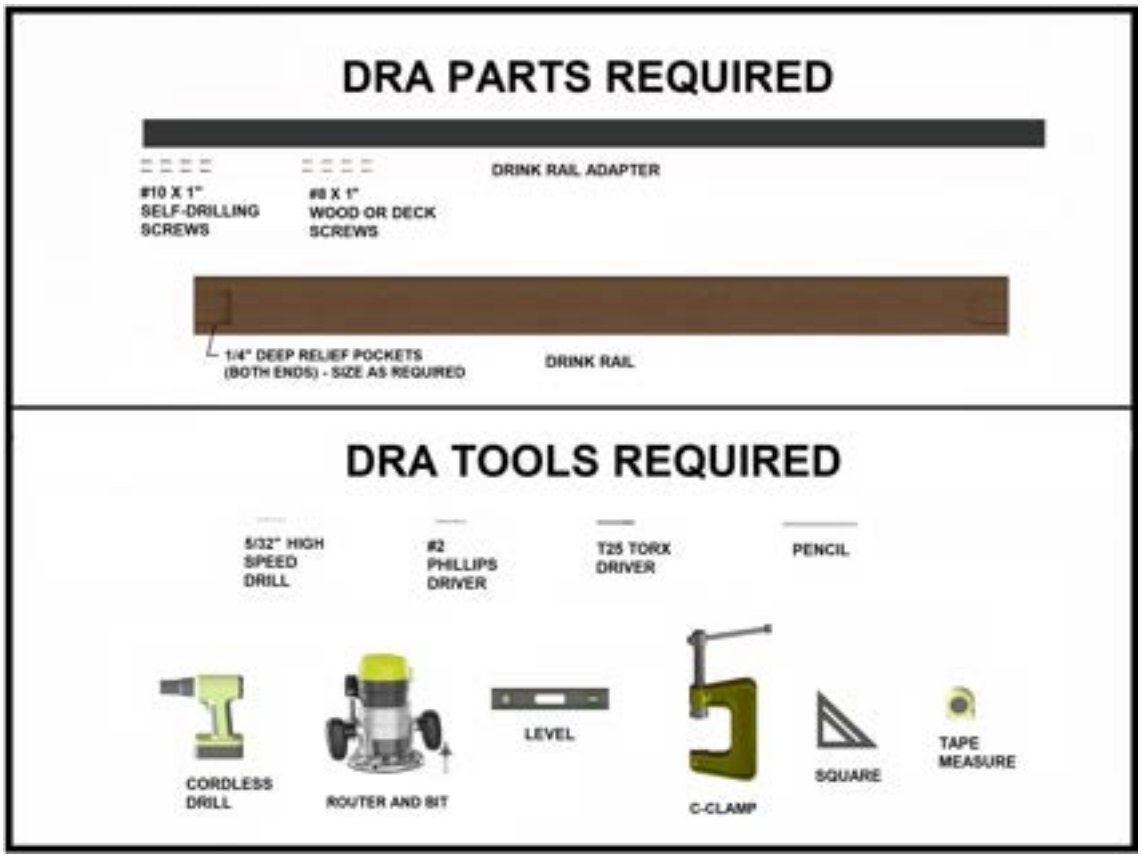
Note: Drink rail may be cut at installer's discretion and preferred appearance. Image shown is even with adjoining drink rail.

RAILFX OASIS™ DRINK RAIL ADAPTER (DRA) – OVER-THE-POST INSTALLATION INSTRUCTIONS

Note: Read instructions fully before beginning installation.

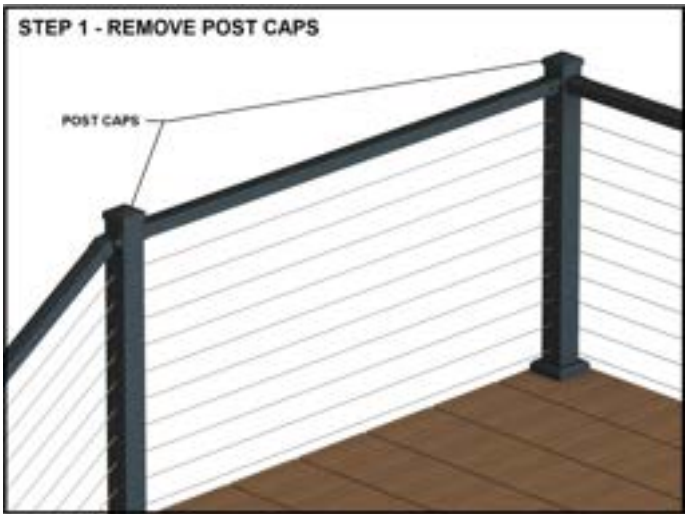
IMPORTANT: DRINK RAIL ADAPTERS ARE NOT TO BE USED FOR ADA COMPLIANCE. ADDITIONAL HANDRAIL REQUIRED FOR ADA.

Parts Required:



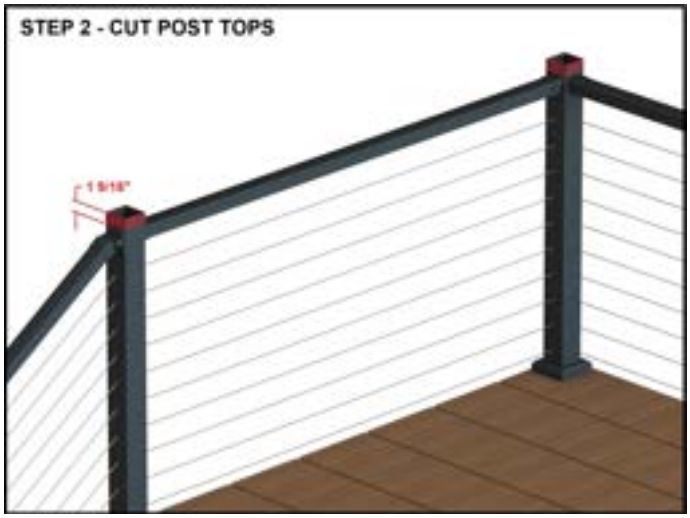
NOTE: RELIEF POCKETS ON DRINK RAILS MAY BE REQUIRED DEPENDING ON STAIR PIVOT OR HORIZONTAL PIVOT BRACKET LOCATIONS.

RAILFX OASIS™ DRINK RAIL ADAPTER (DRA) – OVER-THE-POST INSTALLATION INSTRUCTIONS



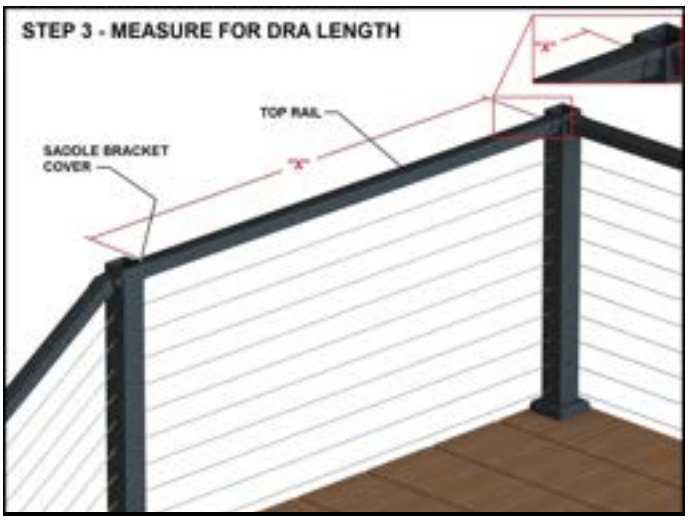
Step 1

Remove post caps from posts to allow tops of posts to be cut for drink rail clearance.



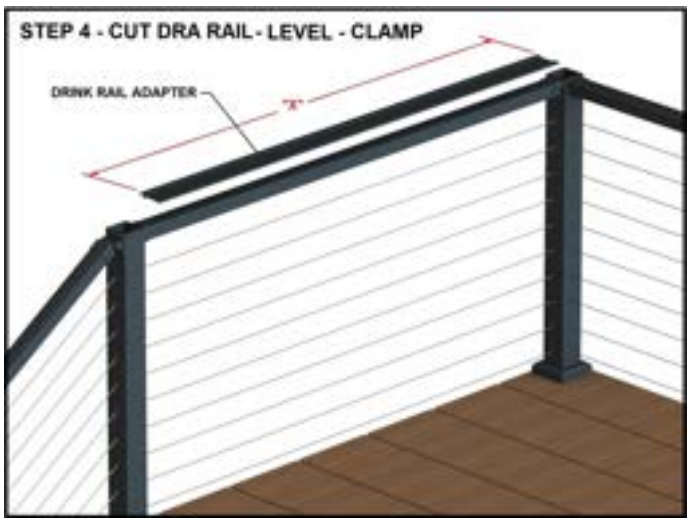
Step 2

Measure 1- 9/16" from tops of posts and cut post tops. Ensure cuts are level to ensure drink rail board clearance.



Step 3

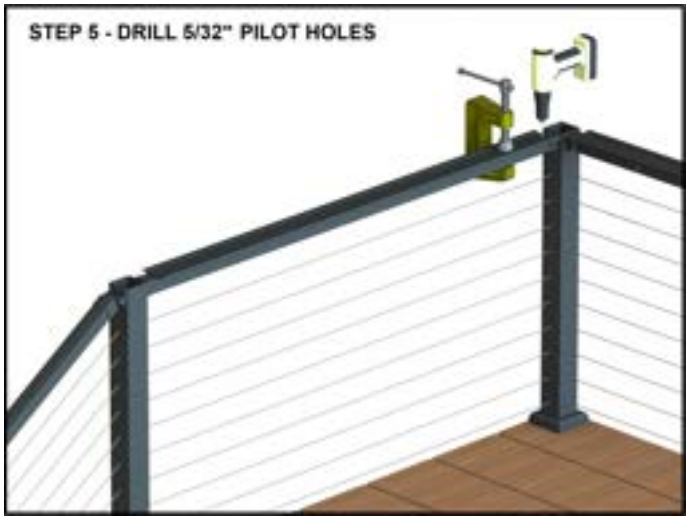
Measure distance between insides of saddle bracket covers located at both ends of top rail.



Step 4

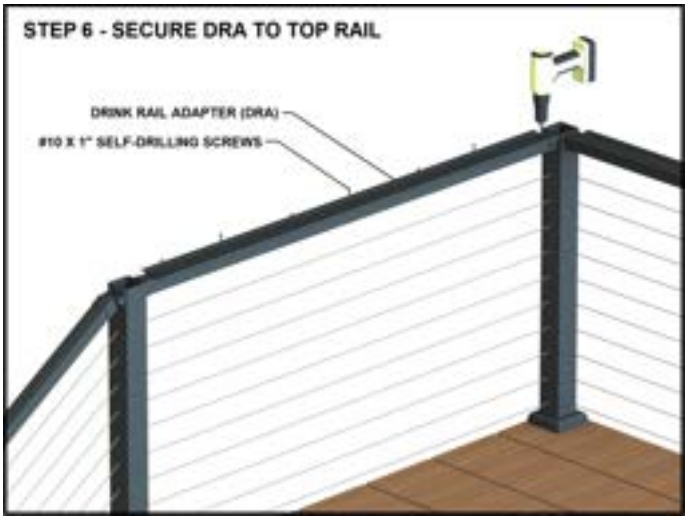
Cut drink rail adapter (DRA) to "x" measurement from step 3. Lay over top rail and ensure adapter sits on top rail squarely and top surfaces are level and clamp to secure.

RAILFX OASIS™ DRINK RAIL ADAPTER (DRA) – OVER-THE-POST INSTALLATION INSTRUCTIONS



Step 5

Drill 5/32" pilot holes through both DRA and top rail. Holes should be located 1"-2" from ends of DRA and spaced 10"-12" apart. Drill holes in line down the center of the adapter.

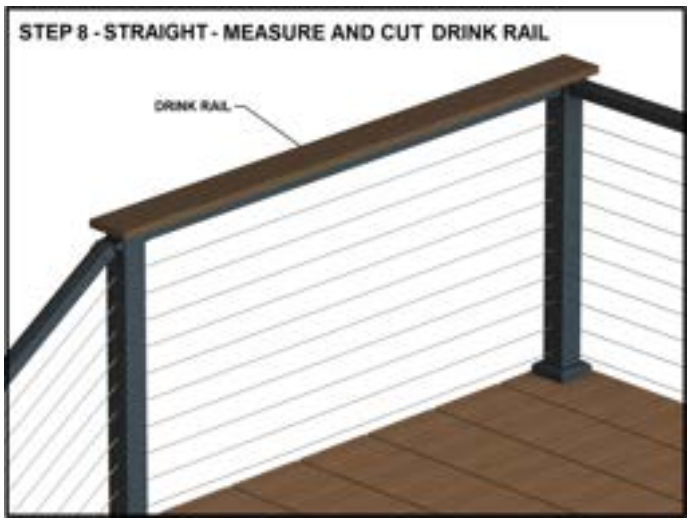


Step 6

Secure DRA to top rail using supplied #10 x 1" self-drilling screws. Ensure DRA is level and top of DRA is even with or slightly above cut post tops. Note: if DRA is below post tops, drink rail will not clear posts.

Step 7

Lay drink rail or level over DRA to ensure clearance over posts. If there is interference additional material must be removed from post to ensure clearance.

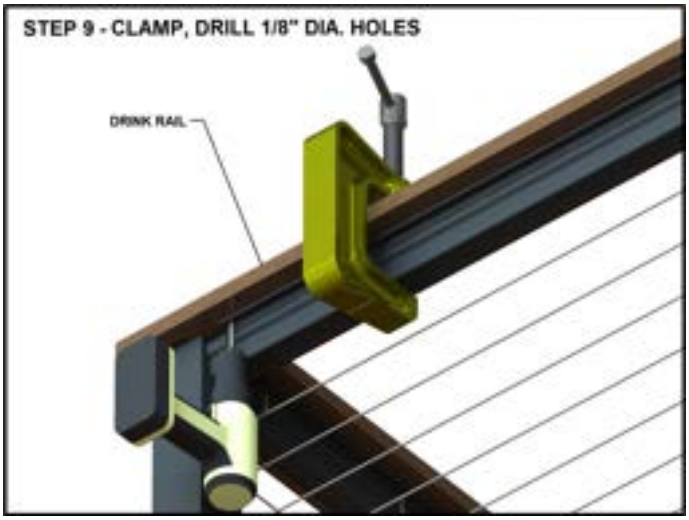


Step 8 - Straight

Measure outside to outside of posts. Determine length of overhang desired at each end of post and cut drink rail length accordingly.

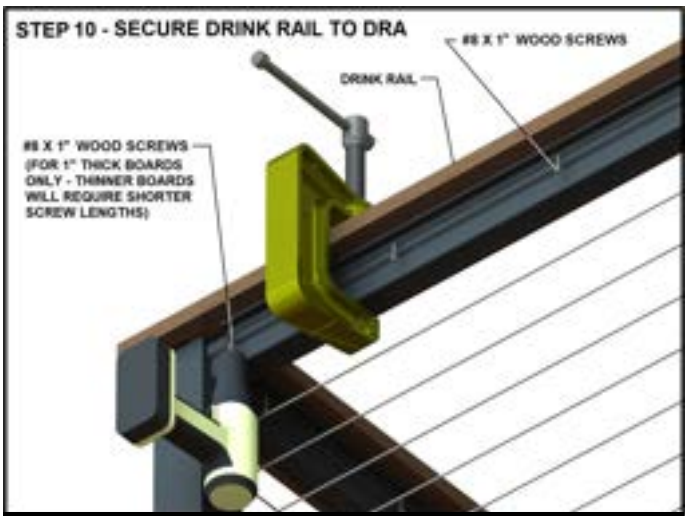
RAILFX OASIS™ DRINK RAIL ADAPTER (DRA) – OVER-THE-POST INSTALLATION INSTRUCTIONS

Step 8 - 90°



Step 9

Center drink rail(s), clamp and drill 1/8" pilot holes through both DRA and drink rail. Holes should be located ½" from ends of DRA and spaced 10"-12" apart. Note: pilot hole in drink rail to be 1/4"-1/2' deep.

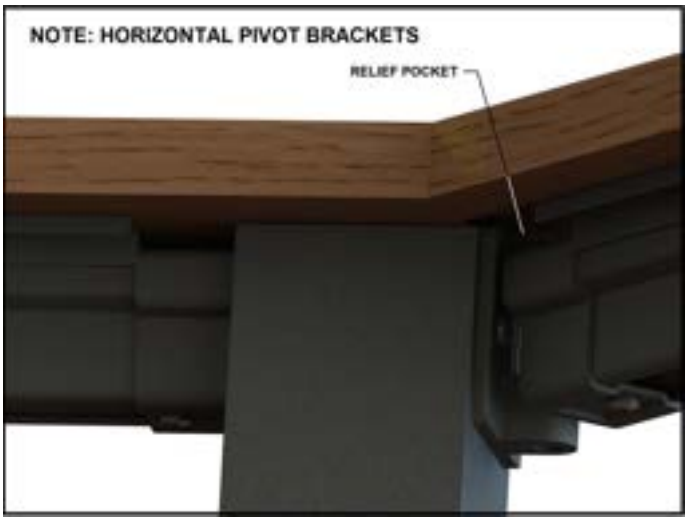


Step 10

Drive screws through DRA and drink rail. Ensure screws are seated on drink rail adapter and there is no movement of the drink rail board.

RAILFX OASIS™ DRINK RAIL ADAPTER (DRA) – OVER-THE-POST INSTALLATION INSTRUCTIONS

NOTE: FOR INSTALLATIONS USING HORIZONTAL PIVOT BRACKETS



Note: drink rail bottom must have relief pocket to provide clearance for the horizontal pivot bracket when used. Note: do not cut into pivot bracket base.

RAILFX OASIS™ CABLE RAILING - RAIL INSERT - RATTLING MITIGATION

Step 1

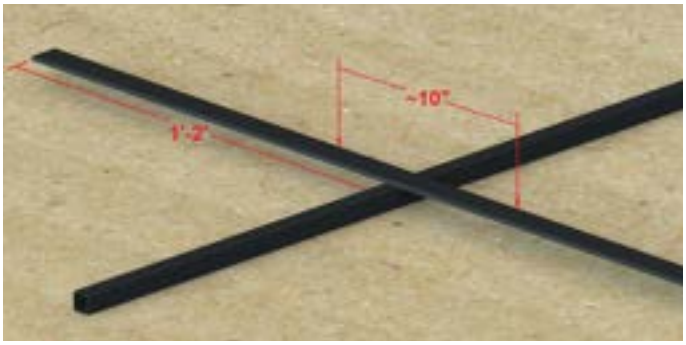
Remove the insert from the top rail and bottom rail.

Step 2

Place picket/cable brace on decking. Place cardboard underneath to prevent marring.

Step 3

Place insert over picket/cable brace.

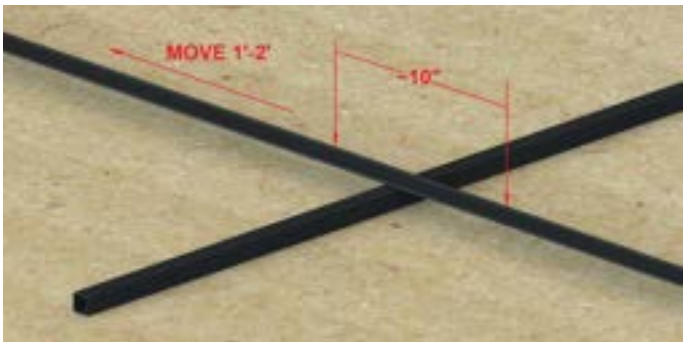


Step 4

Place hands about 10" apart and spaced equally over the picket.

Step 5

Press down until insert touches decking.



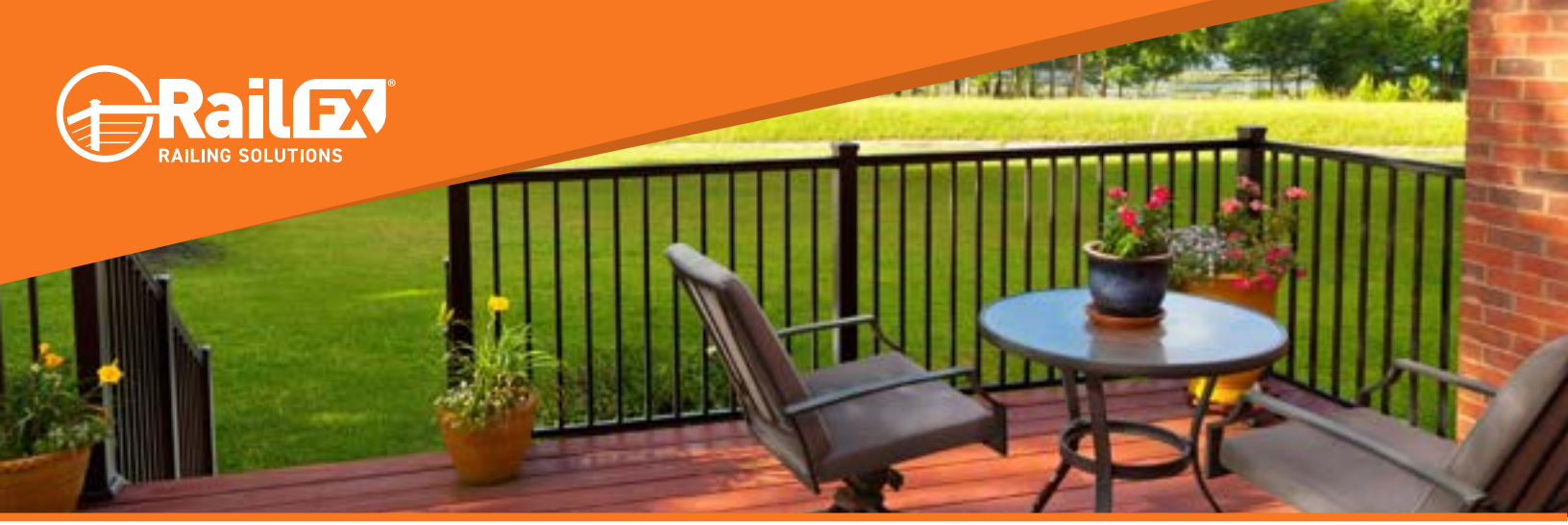
Step 6

Flip the insert and move 1-2 feet, and repeat until the end of the insert is reached.

Step 7

Reinstall the insert into the railing.

RailFX® RAILING SOLUTIONS



2025 PROFX REBATE PROGRAM

EARN CASH BACK WHEN YOU CHOOSE RAILFX®

RailFX® is offering licensed contractors up to three rebates on product purchased January 1 - December 31, 2025. Rebates must be submitted online by February 15, 2026. For complete details, visit railfx.net/profx-rebate.

REBATE	ELIGIBILITY - MUST BE A LICENSED CONTRACTOR TO QUALIFY	% REBATE	MINIMUM PURCHASE
Rebate 1	Contractor submitting first rebate request to RailFX®	10%	$1,000
Rebate 2	Contractor submitting a 2nd rebate request after approved 1st rebate	5%	$1,000
Rebate 3	Contractor submitting a 3rd rebate request after approved 2nd rebate	5%	$1,000

IT'S SIMPLE:

STEP 1:
Fill out the form on our website railfx.net/profx-rebate/

STEP 2:
Upload your invoice.

STEP 3:
Upload 3 original images showing the completed project. Before and after photos welcome.

OPT IN TO OUR 2025 PHOTO CONTEST

Automatically enter for a chance to WIN up to $500 when you submit your three (3) ProFX Rebate images!

Rebates issued via check to contractors based upon the verifiable information provided. Checks will be mailed to the address submitted online. Please allow 8 to 10 weeks to receive rebate check.

Questions? Contact RailFX® at (206) 453-1123 or marketing@railfx.net

SCAN TO SUBMIT

QUOTE REQUEST FORM

Business Name: _____

Contact Name: _____

Phone: _____

Preferred Dealer: _____

Email: _____

Shipping Address: _____

Railing Infill Options

- ☐ 1/8" Stainless Steel Cable
- ☐ 3/16" Stainless Steel Cable
- ☐ Glass (dealer sources locally)
- ☐ Aluminum Picket
- ☐ Flex

Railing Height

☐ 36" ☐ 42" ☐ Custom _____

Bottom Rail (optional w/cable)

☐ Yes ☐ No

Stair Railing

☐ 1 Side ☐ 2 Sides ☐ N/A

Gate Options

☐ Gate Single ☐ Gate Double ☐ None

Stock Colors

☐ Black ☐ Bronze ☐ Silver ☐ White

☐ Custom (additional cost and lead time)

Mounting Surfaces

- ☐ Concrete Slab
- ☐ Composite over Wood
- ☐ Wood
- ☐ Other

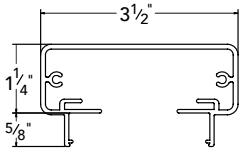
Misc. Options and Tools

- ☐ Post Skirt
- ☐ Cable Cutters

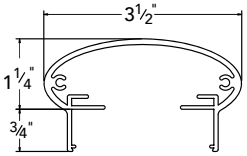
Top Rail Options

Over the Post

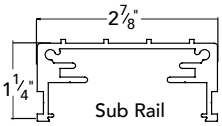
☐ RFX 200



☐ RFX 300



☐ RFX 400

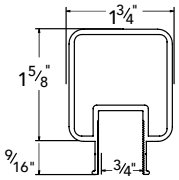


Sub Rail
(for use with wood or composite cap rail)

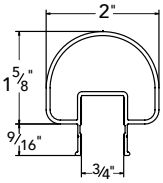
Post to Post

(recommended for ADA compliance)

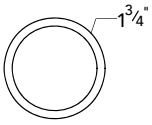
☐ RFX 250



☐ RFX 100



☐ RFX ADA



ADA Grab Rail
(optional)

Post Attachment Options

☐ Surface Mount

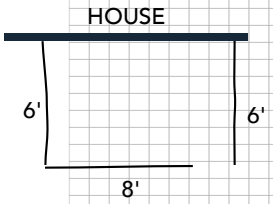
☐ Fascia Bracket Mount

☐ Fascia Mount

☐ Concrete Core Mount

Sketch Area

Existing Posts? ☐ Yes ☐ No Existing Post Material: _____ . Denote existing posts with "X" in sketch.



Example

☐ I have reviewed the details and measurements provided and understand RailFX will provide a quote based on the above.

RailFX
OASIS™ RAILING SYSTEM

LEARN MORE ABOUT
THE RailFX Oasis™
RAILING SYSTEM

LEAN ON US®

(206) 453-1123 | sales@railfx.net | railfx.net

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