Spectrum System Installation Instructions

Atlantis Rail’s Spectrum System is an easy to install, universal cable railing product. It utilizes surface or fascia mounted square posts and a horizontal cable infill choice between HandiSwage™ studs with 1/8” or 5/32” cable. The Spectrum System is offered in a standard black or metallic silver color option. Other colors are available. Ask your Sales Representative for details. Customers must source their own flat hardwood top rail (minimum of 2” x 4”).

Warning Note Hints

Tools

Required & Recommended

- Power Drill
- #2 Phillips Driver Bit
- 5/32”, 7/32” Drill Bit
- 1/2” Socket & Ratchet
- Pencil
- Safety Glasses
- Gloves
- Level
- Tape Measure
- Carpenter’s Square
- Chalk Line
- Vice Grips
- Coping Saw
- Silicone Caulk
- 1/4” Wood Dowel
- Loctite® 242
- Hand Swager
- Combination Wrench 3/8” & 7/16”
- Hacksaw
- 7/16” Open Wrench
- Grommet Install Tool
- Cable Cutter
Tips for a Successful Installation

- Read the instructions completely before beginning the installation.
- Plan your railing project. Sketch your project with the actual measurements of your deck or balcony complete with post locations.
- Check carton(s) to determine part count is complete.
- Installation is best accomplished with two (2) people.
- Always wear personal protection equipment; safety glasses, work gloves, etc.

**ALWAYS REFER TO YOUR LOCAL BUILDING CODE OFFICIALS PRIOR TO INSTALLING ANY ATLANTIS RAIL SYSTEM TO ENSURE ALL CODE AND SAFETY REQUIREMENTS ARE MET. ATLANTIS RAIL SYSTEMS IS NOT RESPONSIBLE FOR IMPROPER OR NON-RECOMMENDED INSTALLATIONS.**

HandiSwage Components

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>C0731-H0703-2</td>
<td>HandiSwage Standard Stud 1/8” - 2 Pack</td>
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<tr>
<td>C0731-H0703-10</td>
<td>HandiSwage Standard Stud 1/8” - 10 Pack</td>
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<tr>
<td>C0731-H0704-10</td>
<td>HandiSwage Standard Stud 5/32” - 10 Pack</td>
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</table>

Additional Components

- Acorn Nut Set
- Deluxe Cover Nut Set
- HandiSwage Cover Nut Sets
- 30°, 34° & 38° Stair Spacer
- Cable Grommets
- Spectrum Surface Mount Stabilizer Kit
- Wide Mounting Plate
- ADA Mounting Clamp
- Reinforcing Channel
START BY MARKING POST LOCATIONS USING REMOVABLE TAPE ON THE DECK SURFACE. INSTALL STAIRS FIRST, FOLLOWED BY CORNER AND END POSTS.

ALWAYS USE WORK GLOVES AND WEAR SAFETY GLASSES TO PROTECT YOUR HANDS AND EYES WHILE WORKING WITH CABLE. DO NOT OVER-TENSION.

Installing the Surface Mount Stair Posts

IF INSTALLING THE FASCIA MOUNT POSTS, PLEASE SKIP AHEAD TO THE INSTALLING THE FASCIA MOUNT STAIR POSTS SECTION (PAGE 5).

Find the Location of the Top Stair Post
Begin at the top of the stairs. Mark the location of the deck post (post A) adjacent to the top stair post (post B). Place your top stair post (post B) and position it so the space between the

Spectrum Fascia Mount Post Kit Components

A. Spectrum Square Post
B. Top Mounting Plate Assembly
C. Plastic Bottom Cap

NOTE: Surface mounting fasteners & hardware sold separately.

Spectrum Surface Mount Post Kit Components

A. Spectrum Square Post
B. Top Mounting Plate Assembly
C. Base Cover

NOTE: Surface mounting fasteners & hardware sold separately.
stair and deck posts is less than 4” (See Figure A). At the same time, make sure the deck post (post A) is aligned with the stair post (post B).

Find the Location of the Lower Stair Posts
Place the lower stair post (post C) and insert a 1/4” wooden dowel through the bottom cable holes of the top and lower stair posts (posts B & C) to visualize the alignment. Lower posts are placed toward the back of the stair treads allowing the bottom row of cable to be as close to the nosing as possible. Code requires that a 6” sphere cannot fit through the triangle created by the stair rise, stair tread and the bottom row of cable (See Figure A). Repeat this process and mark the position of all lower stair posts.

Install the Posts
Once the stair posts are marked for location, begin installing using the instruction below. The first installed post should be the deck post (post A) adjacent to the top stair post (post B) (See Figure A).

Surface Mount Posts Preparation

PREPARE PROPER BLOCKING PER LOCAL BUILDING CODE TO ENSURE SAFE AND CODE COMPLIANT INSTALLATION.

Measure & Mark the Centerlines
Use a tape measure to find the centerline of your railing system. Measure from the edge of the deck to the center of the structure or blocking below (See Figure B). This is typically 3-1/2”. It is important that all the fasteners are secured to the structure or appropriate blocking. With the centerline measured, carefully snap a chalk line around the perimeter of the deck. This will be your centerline throughout the project. Make sure that the center of all of your bases fall along this line.

Assemble the Corner Brackets
Assemble the top mounting plates in the necessary corner configuration. Use the corner mending plate and four (4) 1/4” screws to rigidly hold the assembly (See Figure C). The top mounting plates assemble into 90˚ or 135˚ corner brackets by using different edges of the corner bracket and a different hole pattern on the mending plate (See Figure D).

Assemble the Corner Posts
With the corner bracket fully assembled, attach it to the posts using two (2) 1/4” screws for each mounting plate. USE THE CENTER HOLE PATTERN. Corners require two (2) posts. Make sure that the post holes for the cable are running parallel with the long side of the plate on both sides (See Figure E).

Figure A. Place your top stair post and position it so the space between the stair and deck posts is less than 4”. Code requires that a 6” sphere cannot fit through the triangle created by the stair rise, stair tread and the bottom row of cable.

Figure B. Measure to the center of your structure or blocking and snap a chalk line to mark the centers. Do this around the perimeter of the deck.

Figure C. Use the Corner Mending Plate Set to hold the top mounting plates together.

Figure D. The top mounting plates can be assembled into 90˚ and 135˚ corner brackets.

Figure E. Attach a post to each plate using the center hole pattern.
Installing the Surface Mount Posts

Install the Corner & End Posts
Beginning with corner posts, place the bases along the centerline being careful to make sure the bases are properly oriented. Using the base as a template, mark the four (4) holes for the screws (See Figure F). Use a 7/32” drill bit to drill a pilot hole for the lag bolts. Take extra care to be sure the holes are drilled into joists or blocking.

With the holes pre-drilled, install the corner posts with the hex lag screws using a 1/2” socket and ratchet set. When installing the posts, check for plumb using a level. Once the posts are installed, apply silicone to the hex lag screws and secure the supplied hex lag screw caps to prevent moisture from getting to the hex lag screws (See Figure G). Slide the base cover onto the base BEFORE installing the cable (See Figure H).

Repeat the steps above to install the end posts.

Install the Mid Posts
When you have the end and corner posts installed, measure the distance of the section in between the end and corner posts. The recommended post spacing is 4 feet on-center. Divide the section evenly to get desired post spacing. Mark the center locations for the mid post bases once again taking care that the base is located on the centerline and oriented properly. Follow the steps above to install the mid posts.

Spectrum Surface Mount Cable Stabilizer Kit
A surface mount cable stabilizer kit is available for sections greater than 4 feet (up to 6 feet). More information available on pages 7 and 11 of these installation instructions.

Installing the Fascia Mount Stair Posts

Find the Location of the Top Stair Post
Begin at the top of the stairs. Mark the location of the deck post (post A) adjacent to the top stair post (post B). Place your top stair post (post B) and position it so the space between the stair and deck posts is less than 4” (See Figure I). At the same time, make sure the deck post (post A) is aligned with the stair post (post B).

Find the Location of the Lower Stair Posts
Place the lower stair post (post C) and insert a 1/4” wooden dowel through the bottom cable holes of the top and lower stair posts (posts B & C) to visualize the alignment. Lower posts are placed toward the back of the stair treads allowing the bottom row of cable to be as close to the nosing as possible. Code requires that a 6” sphere cannot fit through the triangle created by the stair rise, stair tread and the bottom row of cable (See Figure I). Repeat this process and mark the position of all lower stair posts.

Install the Posts
Once the stair posts are marked for location, begin installing using the instruction below. The first installed post should be the deck post (post A) adjacent to the top stair post (post B) (See Figure I).
Fascia Mount Posts Preparation

Identify the End/Corner Posts You’ll be Using
36” Fascia mount systems use universal posts (1.57”x1.57”) on ends and corners. 42” Fascia mount systems use more substantial posts (1.5” x 2.5”) on ends and corners (See Figure J).

Assemble the Corner Brackets
The top mounting plates assemble into 90° or 135° corner brackets by using different angled edges on the end of the mounting plates and a different hole pattern on the mending plate (See Figure K). Start by arranging the top mounting plates in the necessary corner configuration. Use the corner mending plate and four (4) 1/4” screws to build the assembly (See Figure L or M).

Assemble the Corner Posts
With the corner bracket fully assembled, attach it to the posts using the supplied 1/4” machine screws. USE THE CENTER HOLE PATTERN. Corners require two (2) posts. Make sure that the post holes for the cable are running parallel with the long side of the plate on both sides (See Figure N or O).

Measure the Height
To begin, measure the thickness of your top rail and add 6-1/8”. This is the distance from the top of the deck surface to the bottom of the post. As an example, a 1-1/2” thick top rail will require the post to sit 7-5/8” (1-1/2” + 6-1/8”) below the top of the deck surface (See Figure P or Q).

Block Out or Notch the Deck
You’ll need to account for any overhang of trim your deck may have. This can be accomplished one of two ways, by either notching out the trim piece or by blocking out underneath the overhang.

Mark the Locations of Mounting Holes
Using the completed corner assembly as a guide, mark the side of the corner posts on either side of the fascia. Use a carpenter’s square to draw a vertical line on the fascia board (See Figure R or T). Measure down to the height as determined in the previous step (in our example 7-5/8”) and draw a mark on the vertical line. Hold the post plumb on the vertical line at the height mark you just made and carefully mark the centers of the mounting holes (See Figure S or U).
Installing the Fascia Mount Posts

**Pre-Drill the Fascia**
Using a drill bit, pre-drill the fascia at the marks made in the previous step to a depth as needed, once again, beginning with the corner posts.

- If installing 5/16” lag screws, pre-drill with a 7/32” drill bit.
- If installing 3/8” lag screws, pre-drill with a 1/4” drill bit.

Make sure the holes are drilled straight into the structure.

**Install the End/Corner Posts using the Hex Lag Bolts**
With the holes drilled in the fascia, install the post with the hex lag screws using a socket and ratchet set. When installing the posts, check for plumb using a level. Over tightening the hex lag screws may cause the post to pitch forward (See Figure V). If this happens, simply loosen the offending lag screw slightly until the post comes back to plumb and shim as needed to keep the post plumb. Once the post is installed, press on the supplied hex lag screw caps for a finished look (See Figure W).

**Repeat Process to Install Mid Posts**
When you have the end and corner posts installed, measure the distance of the section in between the end and corner posts. The recommended post spacing is 4 feet on-center. Divide the section evenly to get desired post spacing. Repeat the above steps to install the mid posts.

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**Installing the Top Rail**

**Install the Top Plates**
Secure the top plates to each of the posts using two (2) 1/4”-20 RH screws. For mid posts, use the hole pattern in the center of the plate (See Figure X). For end posts use the side hole patterns. Be sure to have the corner plates pre-assembled for ease of installation.

**Install the Top Rail**
Carefully measure and cut your top rail taking into account any mitering of joints you may need to do. Piece by piece; lay your top rail on the center of the mounting plate being sure that the top rail covers the top plate in its entirety. With the top rail in place, use a 5/32” drill bit to pre-drill for the wood screws that attach the top rail to the mounting plate. Use up to six (6) #10 pan head screws (supplied) to fasten the wooden top rail to the Spectrum posts (See Figure Y).

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**REMOVE THE BOTTOM CAPS FROM EACH POST AND RINSE OUT ANY DEBRIS, SUCH AS PRESSURE TREATED LUMBER FROM THE INSTALLATION PROCESS. FAILURE TO DO SO MAY RESULT IN STAINING OF FASCIA BOARDS. BOTTOM CAPS CAN BE REINSTALLED UPON COMPLETION OF THE SYSTEM.**

**TO ENSURE CODE COMPLIANCE, ATLANTIS RAIL DOES NOT RECOMMEND EXCEEDING 4’ (48”) ON-CENTER BETWEEN CABLE SUPPORT POSTS. DO NOT EXCEED 48’ BETWEEN TERMINATION HARDWARE.**
Installing the HandiSwage Studs & Cable

With the railing framework securely built according to these installation instructions, it’s time to install the cable infill. The Spectrum System is designed to utilize two (2) cable diameter options, 1/8” or 5/32” with HandiSwage Studs (See Figure AF). Please consult the hand swaging tool installation instructions. MAKE SURE THE POSTS AND TOP RAILS ARE INSTALLED IN THEIR ENTIRETY PRIOR TO TENSIONING CABLES! The posts of the Spectrum System will deflect under load if the railing framework isn’t fully assembled.

Center the stablizer in between posts. Use the hole pattern on the top and bottom of the stablizer to mark the location of screw holes onto the underside of the top rail and on the deck surface using a pencil (See Figures Z and AA).

Put aside the stablizer assembly. With a 5/32” drill bit, drill pilot holes at the pencil marks (See Figures AB and AC).

Reposition the cable stablizer between the bottom of the handrail and the mounting surface; while aligning with the pilot holes. Using a #2 Phillips driver bit and (4) four #10 x 1-1/2” Flat Head wood screws install the stablizer assembly (See Figures AD and AE).

DO NOT INSTALL CABLE BEFORE STABILIZER POSTS! STABILIZER IS FOR SECTIONS OVER 4 FEET, BUT NO GREATER THAN 6 FEET IN LENGTH.
Determining the Proper Length of Cable for Each Section
For cable run sections where HandiSwage™ Studs will be used on both ends of cable (See Figure AG).

1) Measure from “outside to outside” of the outer posts for each cable run section.
2) Subtract 2-3/4” from your measurements for each section. This is the “cut to” length.

It is recommended to cut and install the bottom cable run in each section before cutting the remaining cables. Do this to insure the measurements are accurate.

Tensioning the Cable

Before You Tension
Make sure the posts are installed securely and in accordance with the manufacturers' recommended installation procedures. Install all top and intermediate rails. The posts will deflect beyond allowable limits if you attempt to tension the cables on an incomplete guard frame.

General Cable Tensioning
When tensioning cable using HandiSwage studs, you must hold the stud (attached to cable) in a neutral position while turning the tensioning nut to apply tension to the cable assembly. Hand tighten tensioning nuts onto studs before using wrenches to fully tension.

Use a Cable Grip Pad to hold the cable just outside the post while rotating the tensioning nut with a 7/16” wrench until cable is snug (See Figure AH).

Atlantis Rail offers a Cable Grip Pad (part # E0114-0000) to aid in your installation process. Ask your Sales Representative for more information.

Tension the Center Cable
Beginning with the center run of cable, hold the swage stud in a fixed position while tightening the tensioning nut with a 7/16” wrench. Tighten the nut three or four full rotations until cable is snug. Don’t worry if this cable moves a little, we will come back around to it later.

Tension the Remaining Cables
Alternate tensioning the cables from the center, working above and below the center cable as if tightening the lug nuts on a tire (See Figure Al). Again tension the nuts three or four full rotations or until cable is snug. You will notice as you tension, the cables surrounding it will slacken. When this happens, stop tensioning and move onto the next cable.

Make Final Adjustments
Go back to the center cable and re-tighten the cables until all are tight and relatively equal in tension. You may find that you need to do this three or four times getting down to even a quarter turn of the tensioning nut each time. Tension from both sides when necessary.

Before tensioning any of the cables, it is important to be sure that the frame for the infill is completed.

Never clamp pliers or vice grips directly on cable. Set your vice grips with 1/8” space total between cable and vice grip jaws. Place pad on cable and then apply the vice action to the pliers.

Figure AH. Using a HandiSwage Cable Grip Pad and vice grips, hold the cable in a fixed position while tightening the tension nut.
Installing Cover Nuts

HandiSwage Cover Nut Sets (C0309 Series)

HandiSwage Cover Nut Sets are designed for use with HandiSwage Studs and are perfect for cable railing systems where “through-post” hardware is desired for minimal obstruction. Affix to end of swage stud for a finished look. The HandiSwage Cover Nut Set includes a stainless washer, tensioning nut, lock nut and cover nut (See Figure AJ). Sold in packs of 10 and available in the following colors: White, Light Brown, Dark Brown, Metallic Silver and Black.

1) With all the cables tensioned properly, hand tighten the Lock Nuts onto the stud ends. Using the HandiSwage Combination Wrench Set (part #C0731-TK01-2), hold the tensioning nut in place with the 7/16" wrench while tightening the lock nut fully with the 3/8" wrench.

2) Using a hacksaw or cut-off wheel, cut the remaining shank off flush with the lock nut.

3) Then place the cover nut over the assembly until it is flush with the post (See Figure AK).

In addition to the HandiSwage Cover Nut Sets, Atlantis Rail offers an Acorn Nut Set (part # C0308-UF07-2) and Deluxe Cover Nut Set (part # C0307-U007-2). More information is available in the “Additional Components” section found on page 13 of these installation instructions.

Installing Cable Grommets

Utilizing the grommet install tool (part # E0916-1000) makes installing cable grommets easy.

THE GROMMET INSTALL TOOL (part # E0916-1000) ACCOMODATES BOTH 1/8" AND 5/32" CABLE GROMMET SIZES.

Align the slot of the cable grommet with the slot of the cable grommet install tool (See Figure AL).

NOT ALIGNING THE SLOTS OF THE CABLE GROMMET AND TOOL WILL NOT ALLOW THE CABLE GROMMET TO BE INSTALLED.

Insert the flange of the cable grommet into the bottom side of the grommet install tool; making sure the slots are still aligned (See Figure AM).

Holding the grommet install tool in one hand and placing ones thumb on the top side of the cable grommet, push the cable grommet onto the cable in a downward motion. A little force will need to be applied to fit the cable grommet onto the wire (See Figure AN).

ALWAYS POINT THE TIP OF THE CABLE GROMMET INWARDS TO THE POST HOLE AND KEEP THE POSITION OF THE SLOT DOWNWARDS TO ALLOW WATER TO DRAIN.
After the cable grommet is placed onto the cable, remove the grommet install tool from the flange of the cable grommet. Place the grommet install tool on the wire (using the slot in the tool as a guide) push the cable grommet into the cable hole in the post until it fits flush (See Figure AO).

### Additional Components

**Cable Grommets - C0916-0003-25**

Once the cable has been installed and tensioned, it is time to add the Cable Grommets (part # C0916-0003-25). These cable grommets (See Figure AP) are available at an additional cost. They help prevent movement and deflection of the cable, as well as, reduces dirt and moisture from getting inside the posts. These grommets are available for straight mid post sections with 1/8" cable. They are slotted for easy attachment onto the cable and are available in packs of twenty five (25).

(Figure AP: Cable grommets help prevent movement and deflection of the cable.)

**34 Degree Stair Spacer - C0841-0034-2**

When installing cable infill on Spectrum stair posts, a 34 Degree Stair Spacer (part # C0841-0034-2) is used to achieve the angled cable run. Place the stair spacer on the threaded end before attaching the desired cover nut set (See Figure AQ).

30° (PART # C0841-0030-2) & 38° (PART # C0841-0038-2) SPACERS ARE ALSO AVAILABLE. ALL STAIR SPACES ARE AVAILABLE IN 2 PACKS.

(Figure AQ: Place the 34 Degree Stair Spacer on the threaded end before attaching the cover nut set to achieve the angled cable run.)

**Wide Mounting Plate - S0904-XX53**

The Wide Mounting Plate (part # S0904-XX53) is twice the width of the standard mounting plate and is used in applications where a wider top rail is desired.

Secure the plate to the post using two (2) 1/4" -20 RH screws. For mid posts, use the hole pattern in the center of the plate (See Figure AR). For end posts use the side hole patterns.

(Figure AR: Use when a wider top rail is desired. For mid posts, use the hole pattern in the center of the plate and secure using two (2) 1/4"-20 RH screws.)
**ADA Mounting Clamp - S0904-XX60**

The ADA Mounting Clamp (part # S0904-XX60) fits snugly on the Spectrum post. To attach, insert the U-shape piece of the clamp onto the post making sure the pads stay intact (See Figure AS).

**BEFORE INSERTING THE U-SHAPE PIECE ONTO THE POST, MOISTEN THE PADS. THIS WILL ENABLE IT TO GLIDE EASIER OVER THE POST WHILE KEEPING THE PADS IN PLACE.**

Attach the back piece and insert the screws. Using a 5/32” (or 4mm) Allen wrench, tighten the screws alternately a half turn at a time until the screws are fully tightened.

**Reinforcing Channel - S0904-XX54**

This channel (part number S0904-XX54) is used in applications where a thinner handrail needs additional reinforcement. The 36” surface mount Spectrum post requires a Spacing Block (part number S0904-XX58) for installation to bring the thinner handrail to proper height. If a spacing block is required (See Figure AT), attach it to the post before attaching the top mounting plate.

**ATLANTIS RAIL DOES NOT RECOMMEND THE USE OF ARTIFICIAL LUMBER AS A TOP RAIL. USE AT THE INSTALLER/END USER’S OWN RISK.**

The reinforcing channel is 48” in length and is ideal for 4’ post spacing. It can be cut to size if shorter spans are needed. Place the channel in the center of the post on top of the top mounting plate (See Figure AU). Place the customer supplied top rail on top of the reinforcing channel. Use the supplied #10 wood screws to attach the channel and top mounting plate to the top rail (See Figure AV). Using two (2) screws at either end of all exposed slots, fasten the channel to the top rail. Also, be sure to fasten through the top mounting plate where slots offer exposed top rail access.

**Spectrum Surface Mount Stabilizer Kit - S0905-XX45**

This stabilizer kit (part number S0905-XX45) may be used with sections up to 6 feet (between posts) if all other Spectrum specifications are properly implemented (See Figure AW). Atlantis Rail Cable Stabilizers are purposefully designed for use in maintaining code compliant cable spacing between post and rail sections with spacing greater than 4 feet between posts and not exceeding 6 feet.

**THE CABLE STABILIZER IS NOT A STRUCTURAL COMPONENT AND IS NOT A SUBSTITUTE FOR A POST!**

**Figure AT.** Attach the spacing block to the post before attaching the top mounting plate.

**Figure AU.** (LEFT) Place the reinforcing channel in the center of the post on atop the top mounting plate.

**Figure AV.** (RIGHT) Use the supplied fasteners to attach the channel and top mounting plate to the top rail.

**Figure AW.** The stabilizer kit may be used with sections up to 6 feet (between posts).
Acorn Nut Set - C0308-UF07-2
Designed for use with HandiSwage Studs. This set is perfect for cable railing systems where “through post” hardware is desired for minimal obstruction. Affix the stainless steel acorn nut set to the end of a swage stud for a finished look (See Figure AX). Finish: Polished Stainless Steel. Available in 2 packs.

Deluxe Cover Nut Set - C0307-U007-2
Designed for use with the HandiSwage Studs. The Cover Nut Set is perfect for cable railing systems where “through-post” hardware is desired for minimal obstruction. Affix to the end of the stud for a finished look (See Figure AY). Finish: Polished Stainless Steel. Available in 2 packs.

HandiSwage Cover Nut Set - C0309 Series
Designed for use with HandiSwage Studs. Cover Nut Sets are perfect for cable railing systems where “through-post” hardware is desired for minimal obstruction. Affix to end of swage stud for a finished look (See Figure AZ). Finishes: White, Light Brown, Dark Brown, Metallic Silver and Black. Available in 10 packs.

Spectrum System Specifications
The Spectrum System uses stainless steel square posts and fittings with horizontal cable infill. Customers must provide their own hard wood top rail. It is advised to observe that tension must be applied to fittings and cable. Posts should be fascia or surface mounted securely enough to resist detachment and hold under tension.

Straight Sections
The Spectrum System is offered in post heights of 36” or 42” for straight sections. It consists of square posts (fascia or surface mounted) with a customer supplied top rail and 12 to 14 runs of cable.

Stair Sections
Rail height for stair sections is available in 36”.

Between Post Lengths
Atlantis Rail recommends staying within 4’ section lengths to maintain structural integrity.

Railing Finish
The Spectrum System is offered in standard and special order colors. Visit our website for more details.

Cable Infill
The HandiSwage™ cable infill option features a line of stainless steel hand swage fittings and 1/8” or 5/32” cable.

Cable Spacing
Cable spacing varies depending on post kit model. Consult “Spectrum Post Kit Cable Spacing & Heights” chart on the next page.
**Spectrum Post Kit Cable Spacing & Heights**

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<th>Part Number</th>
<th>Post Description</th>
<th>Cable Spacing</th>
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<th>Rendered Rail Height</th>
<th>Height From Surface</th>
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<td>36” Fascia Mount Post Kit</td>
<td>2.63”</td>
<td>42”</td>
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<td>38” Fascia Mount Stair Post Kit</td>
<td>2.63” - 2.75”**</td>
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<td>34” - 36”</td>
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* “XX” in the part number is the color designation. Replace with “BK” for black, “MT” for metallic silver or “SP” for one of the special colors.

**Cable spacing on stair post kits vary due to the angle of the stairs. These variations are based on stair angles between 32˚ and 38˚ (aligned dimensions).**

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**Spectrum System Product Specifications**

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Dimensions</th>
<th>Fasteners</th>
<th>Notes</th>
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<td>S0904-XX36</td>
<td>36” Fascia Mount Post Kit</td>
<td>1.57” x 1.57” x 42”</td>
<td>5/16” Hex Lag Screws</td>
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<td>42” Fascia Mount Post Kit</td>
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<td>S0904-XX42-EC</td>
<td>42” Fascia Mount End/Corner Post Kit</td>
<td>1.50” x 2.50” x 48”</td>
<td>5/16” Hex Lag Screws</td>
</tr>
<tr>
<td>S0905-XX36</td>
<td>36” Surface Mount Post Kit</td>
<td>1.57” x 1.57” x 34.38”</td>
<td>5/16” Hex Lag Screws</td>
</tr>
<tr>
<td>S0905-XX38-ST</td>
<td>38” Surface Mount Stair Post Kit</td>
<td>1.57” x 1.57” x 38.13”</td>
<td>5/16” Hex Lag Screws</td>
</tr>
<tr>
<td>S0905-XX42</td>
<td>42” Surface Mount Post Kit</td>
<td>1.57” x 1.57” x 40.38”</td>
<td>5/16” Hex Lag Screws</td>
</tr>
<tr>
<td>S0904-HD03-XX</td>
<td>Fascia Mount Hardware Kit</td>
<td>5/16” x 4.50”**</td>
<td>(3) 5/16” Lag Screws</td>
</tr>
<tr>
<td>S0904-HD05-XX</td>
<td>42” Fascia End/Corner Post Hardware Kit</td>
<td>3/8” x 5.00”</td>
<td>(5) 3/8” Lag Screws</td>
</tr>
<tr>
<td>S0905-HD04</td>
<td>Surface Mount Hardware Kit</td>
<td>5/16” x 4.50”**</td>
<td>(4) 5/16” Lag Screws</td>
</tr>
<tr>
<td>S0905-XX45</td>
<td>36” Surface Mount Stabilizer Kit</td>
<td>0.25” thick x 34.50” height</td>
<td>#10 Wood Screws</td>
</tr>
<tr>
<td>S0905-XX46</td>
<td>42” Surface Mount Stabilizer Kit</td>
<td>0.25” thick x 40.50” height</td>
<td>#10 Wood Screws</td>
</tr>
<tr>
<td>S0701-0003-01</td>
<td>HandiSwage 1/8” Cable, 100ft. Spool</td>
<td>1/8” x 19 316 stainless steel cable</td>
<td>--</td>
</tr>
<tr>
<td>S0701-0003-02</td>
<td>HandiSwage 1/8” Cable, 250ft. Spool</td>
<td>1/8” x 19 316 stainless steel cable</td>
<td>--</td>
</tr>
<tr>
<td>C0978-4025</td>
<td>RailEasy 5/32” Cable, 25ft. Spool</td>
<td>5/32” x 19 316 stainless steel cable</td>
<td>--</td>
</tr>
<tr>
<td>C0978-4100</td>
<td>RailEasy 5/32” Cable, 100ft. Spool</td>
<td>5/32” x 19 316 stainless steel cable</td>
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</tr>
<tr>
<td>C0978-4500</td>
<td>RailEasy 5/32” Cable, 500ft. Spool</td>
<td>5/32” x 19 316 stainless steel cable</td>
<td>--</td>
</tr>
<tr>
<td>C0731-H0703-2</td>
<td>HandiSwage Standard Stud (2 Pack)</td>
<td>1/8” x 3.620” length 1/4”-28</td>
<td>RH thread UNF</td>
</tr>
<tr>
<td>C0731-H0703-10</td>
<td>HandiSwage Standard Stud (10 Pack)</td>
<td>1/8” x 3.620” length 1/4”-28</td>
<td>RH thread UNF</td>
</tr>
<tr>
<td>C0731-H0704-2</td>
<td>HandiSwage Standard Stud (2 Pack)</td>
<td>5/32” x 3.620” length 1/4”-28</td>
<td>RH thread UNF</td>
</tr>
<tr>
<td>C0731-H0704-10</td>
<td>HandiSwage Standard Stud (10 Pack)</td>
<td>5/32” x 3.620” length 1/4”-28</td>
<td>RH thread UNF</td>
</tr>
<tr>
<td>C0916-0003-25</td>
<td>Cable Grommets (25 Pack)</td>
<td>--</td>
<td>--</td>
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<tr>
<td>C0841-0030-2</td>
<td>Stair Spacer (2 Pack)</td>
<td>1/4” x 30” .500” Length .750” OD</td>
<td>--</td>
</tr>
<tr>
<td>C0841-0034-2</td>
<td>Stair Spacer (2 Pack)</td>
<td>1/4” x 34” .500” Length .750” OD</td>
<td>--</td>
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<tr>
<td>C0841-0038-2</td>
<td>Stair Spacer (2 Pack)</td>
<td>1/4” x 38” .590” Length .750” OD</td>
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<tr>
<td>S0904-XX53</td>
<td>Wide Mounting Plate</td>
<td>316 stainless steel</td>
<td>--</td>
</tr>
<tr>
<td>S0904-XX60</td>
<td>ADA Mounting Clamp</td>
<td>316 stainless steel</td>
<td>--</td>
</tr>
<tr>
<td>S0904-XX54</td>
<td>Reinforcing Channel</td>
<td>316 stainless steel</td>
<td>#10 Wood Screws</td>
</tr>
<tr>
<td>C0308-UF07-2</td>
<td>Acorn Nut Set (2 Pack)</td>
<td>.674” complete assembly</td>
<td>--</td>
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<tr>
<td>C0307-U007-2</td>
<td>Deluxe Cover Nut Set (2 Pack)</td>
<td>.400” length .750” OD</td>
<td>--</td>
</tr>
<tr>
<td>C0309-WH02-10</td>
<td>HandiSwage Cover Nut Set (10 Pack)</td>
<td>.420” length .690” OD (White)</td>
<td>--</td>
</tr>
<tr>
<td>C0309-LB02-10</td>
<td>HandiSwage Cover Nut Set (10 Pack)</td>
<td>.420” length .690” OD (Light Brown)</td>
<td>--</td>
</tr>
<tr>
<td>C0309-BR02-10</td>
<td>HandiSwage Cover Nut Set (10 Pack)</td>
<td>.420” length .690” OD (Dark Brown)</td>
<td>--</td>
</tr>
<tr>
<td>C0309-BK02-10</td>
<td>HandiSwage Cover Nut Set (10 Pack)</td>
<td>.420” length .690” OD (Black)</td>
<td>--</td>
</tr>
<tr>
<td>C0309-MT02-10</td>
<td>HandiSwage Cover Nut Set (10 Pack)</td>
<td>.420” length .690” OD (Metallic Silver)</td>
<td>--</td>
</tr>
<tr>
<td>E0113-H600</td>
<td>HandiSwag Hand Swager</td>
<td>24” length, swages 1/8”, 5/32” &amp; 3/16”'</td>
<td>--</td>
</tr>
<tr>
<td>E0113-HG00</td>
<td>After Swage Gauge</td>
<td>Measures 1/8”, 5/32” &amp; 3/16” swages</td>
<td>--</td>
</tr>
<tr>
<td>C0989-00HD</td>
<td>RailEasy Cable Cutter</td>
<td>Cuts up to 5/32” cable</td>
<td>--</td>
</tr>
<tr>
<td>E0114-0000</td>
<td>Cable Grip Pad (3 Pack)</td>
<td>0.13” x 0.75” x 2.00”</td>
<td>--</td>
</tr>
<tr>
<td>E0916-1000</td>
<td>Grommet Install Tool</td>
<td>Fits Atlantis Cable Grommet Series</td>
<td>--</td>
</tr>
<tr>
<td>C0731-TK01-2</td>
<td>HandiSwage Combo Wrench (2 Pack)</td>
<td>3/8” &amp; 7/16”</td>
<td>--</td>
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</tbody>
</table>