



RAIL EASY™

Cable Infill Utilizing Mechanical Swage Fittings

Revision 1

Introduction



The RailEasy™ Cable Railing System utilizes our patented mechanical swage design to connect fittings to cable and tension. This DIY friendly system installs easily using simple hand tools.



The RailEasy™ System is an easy to use cable railing product utilizing patented fittings that mechanically swage onto cable. They can be attached to cable using Atlantis Rail's series of simple hand tools. The RailEasy™ line consists of a small collection of surface mount and through post hardware designed to accommodate almost any design situation. This system combines the aesthetic appeal, quality and durability of the RailEasy™ cable components with the strength of 5/32" cable. All components are made from grade 316L stainless steel for durability and corrosion resistance.

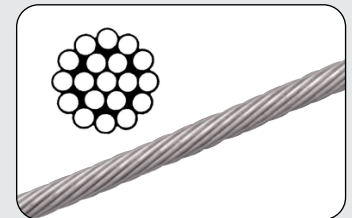
RailEasy™ Compatibility

- Wood Systems
- Composite Systems
- Nautilus System
- Latitude Systems



Cable Used

RailEasy™ Cable Infill utilizes 5/32" cable featuring 1x19 strand construction, made from marine grade 316 stainless steel. The RailEasy™ Cable is available in 25 ft. coils and spooled lengths of 100 ft. and 500 ft.



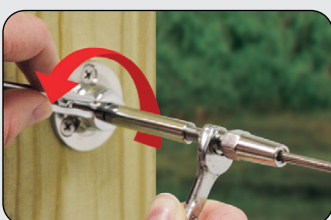
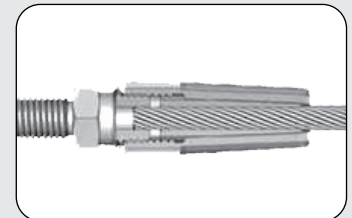
Cutting the Cable

Cable is cut to length in the field using either the RailEasy Cable Cutters (small projects) or the Heavy-Duty 14" Cable Cutters (large projects).



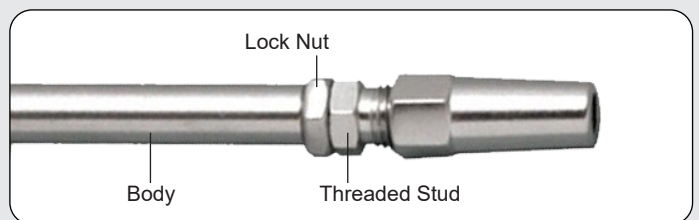
Connecting the Cable

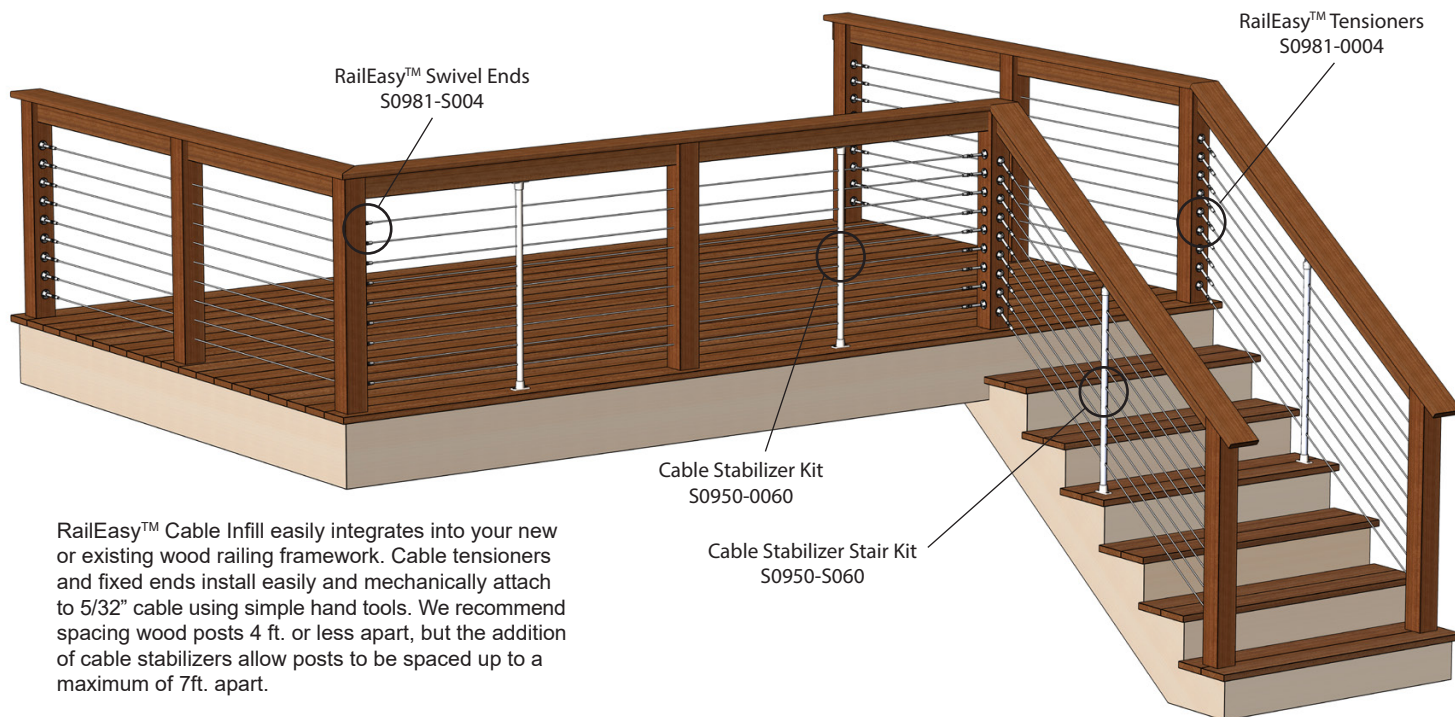
RailEasy™ Tensioners are used at the end of the cable run to install and tension the cable. Fittings are mechanically swaged onto the cable using wrenches.



Tensioning the Cable

The cable assembly is tensioned by holding the threaded stud in a fixed position while rotating the body. Fasten the lock nut to secure.





RailEasy™ Cable Infill easily integrates into your new or existing wood railing framework. Cable tensioners and fixed ends install easily and mechanically attach to 5/32" cable using simple hand tools. We recommend spacing wood posts 4 ft. or less apart, but the addition of cable stabilizers allow posts to be spaced up to a maximum of 7ft. apart.

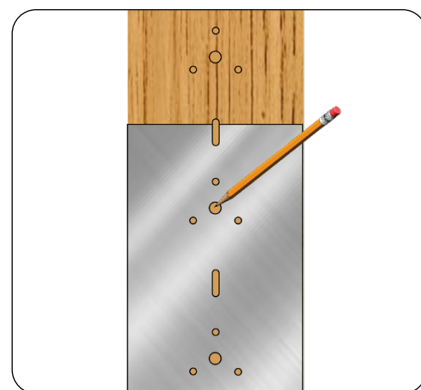
Components



Drilling Template

RailEasy™ Drilling Template, Aluminum (C0988-1000)

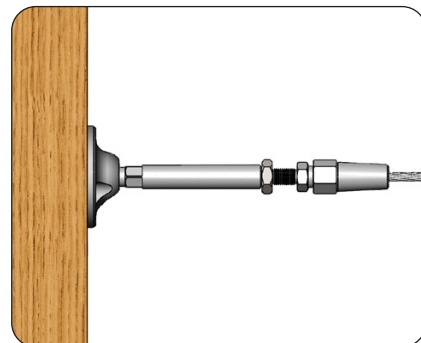
The drilling template allows for easy installation of the RailEasy™ cable railing system. Cable runs are spaced 3" on-center for both 36" and 42" height railing systems. The template features a hole pattern designed specifically for locating/marketing mounting holes for RailEasy™ Tensioners on end, corner and stair posts as well as through holes on mid posts. Cable is spaced 3" on-center for code compliancy.



Cable Tensioner, Surface Mount

5/32" RailEasy™ Tensioner, 316L SS (C0981-0204) 2 Pack
(C0981-1004) 10 Pack

The RailEasy™ Tensioner is the primary cable railing tensioning/fastening device. Designed for use with 5/32" cable. The patented mechanical swage fitting allows for installation and tensioning with simple hand tools. Features a patented slotted base to achieve angles up to 45 degrees on stair applications. Use the included 1-1/2" #8 stainless wood screws to surface mount the tensioner base to wood post.

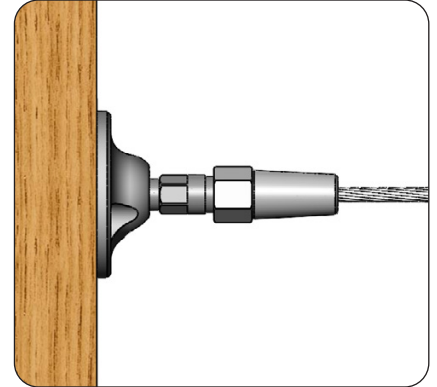




Swivel End, Surface Mount

5/32" RailEasy™ Swivel End, 316L SS
(C0981-S024) 2 Pack
(C0981-S104) 10 Pack

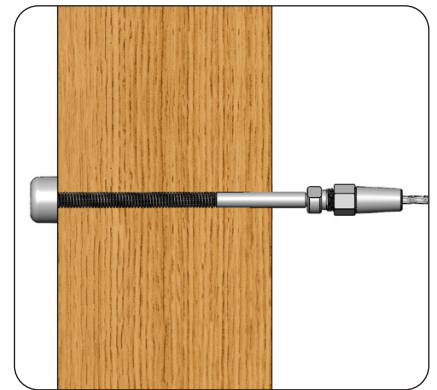
Used in conjunction with a tensioner, the RailEasy™ Swivel End is the primary surface mount fixed end fitting. Designed for use with 5/32" cable. The patented mechanical swage fitting allows for easy installation using simple hand tools. Use the included 1-1/2" #8 stainless wood screws to surface mount the base to wood post. Can achieve angles up to 45 degrees.



Cable Tensioner, Through Post

5/32" RailEasy™ Stud Assembly, 316L SS
(C0980-0004-2) 2 Pack

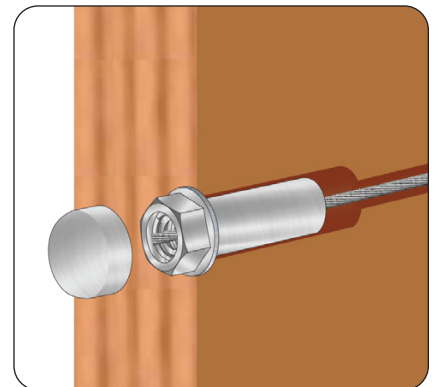
The Stud Assembly is a through post cable tensioner. The head of the stud assembly mechanically swages onto the 5/32" cable using wrenches. Use a 9/32" drill bit for drilling the through holes in the end posts. A cover nut set is used in conjunction with the stud for tensioning the cable and capping off the exposed end. Made from 316L stainless steel.



Fixed End, Through Post

5/32" RailEasy™ Flush Fitting, 316L SS
(C0981-P004-2) 2 Pack

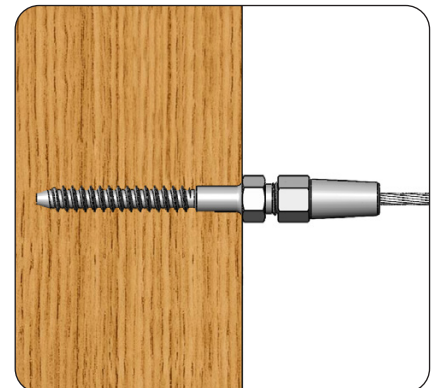
The Flush Fitting is a "fixed end" through post option that is recessed into the back side of the post and allows the cable to pass through while gripping onto the cable much like a zip tie. Drill the post with a 3/8" bit approximately 1-1/4" deep for installation. This fitting is used at one end of a cable run with a tensioning device on the other end. NOT for use on cable sections greater than 25 ft. Cap off fitting with a Deluxe Cover Nut.



Fixed End, Lag

5/32" RailEasy™ Lag Stud, 316L SS
(C0980-R004-2) 2 Pack

The Lag Stud is a "fixed end" option that is lag screwed into the wood post (or solid wood structure) and mechanically swaged onto the cable end using wrenches. For installation, drill a hole with a 3/16" bit approximately 2" deep. This fitting is used at one end of a cable run with a tensioning device on the other end. NOT for use on cable sections greater than 25 ft.

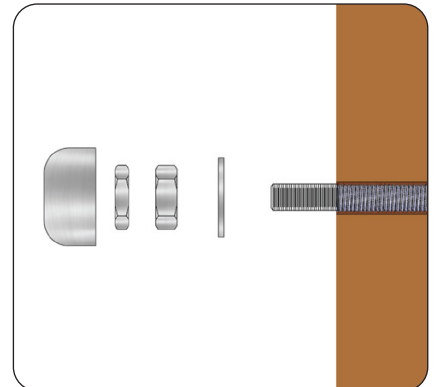




Cover Nut

Deluxe Cover Nut Set, 316 Stainless Steel
(C0307-U007-2) 2 Pack

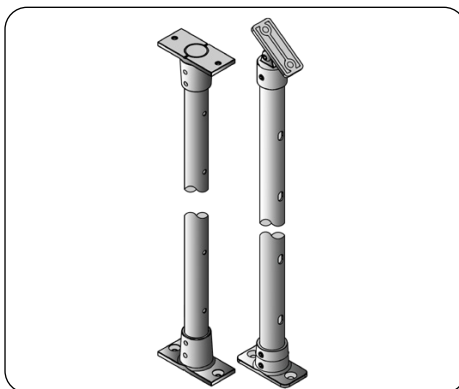
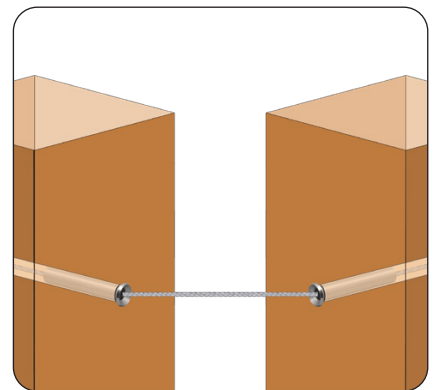
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All through-post cable fittings utilize the Deluxe Cover Nut Sets to tension and/or cap off each fitting on the backside of the posts. Use wrenches to install. Place the washer on the end of the threaded stud. Tighten the tensioning nut onto stud using the wrench while holding cable to prevent rotation. Tighten the lock nut onto stud using the wrench to fully secure the assembly. Cut the exposed stud threading flush with the lock nut and install the stainless cap for a finished look.



Cable Sleeve

RailEasy™ Cable Sleeve, 316L SS
(C0915-0438) 10 Pack

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Passing cable through posts on corners requires "double posting". Cable Sleeves must be used where cable passes through post at an angle to prevent cable from cutting into the wood posts. For installation, drill a hole with a 7/32" bit approximately 1-1/2" deep. Cable Sleeves can be used to offer a finished look to the cable through-holes on an entire rail system, however this is purely for aesthetic reasons.

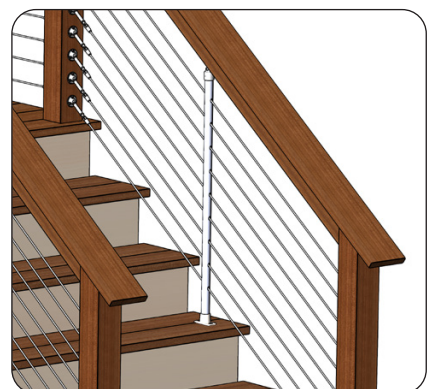


Cable Stabilizers, Stainless

Cable Stabilizer Kit, 316L SS
(S0950-0060)

Cable Stabilizer Stair Kit, 316L SS
(S0950-S060)

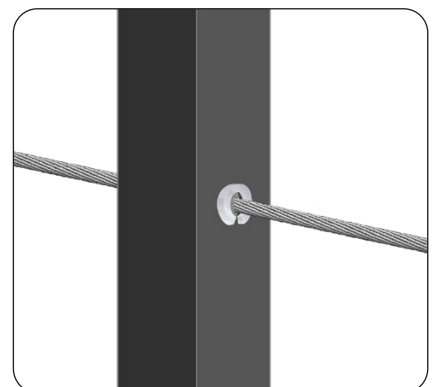
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For cable spans greater than 4 ft. (up to 7 ft.), a cable stabilizer must be used to prevent cable deflection. This ensures that the cable infill remains code compliant. Each kit comes with a stanchion (1" diameter x 42" length) that can be cut at both ends for a precise fit. Cable holes/slots are spaced 3" on-center. Cable stabilizers cannot be used to replace a mid post. Kit includes fasteners.



Cable Grommet (for Stabilizers)

1/8" Cable Grommet - Short, Plastic
(C0916-A003-25) 25 Pack

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These plastic grommets make installation clean looking while preventing contact between stainless components and aluminum posts. They also help keep water from entering the cable holes. Use these grommets on cable stabilizers. Installation is easy using the Cable Grommet Installation Tool.



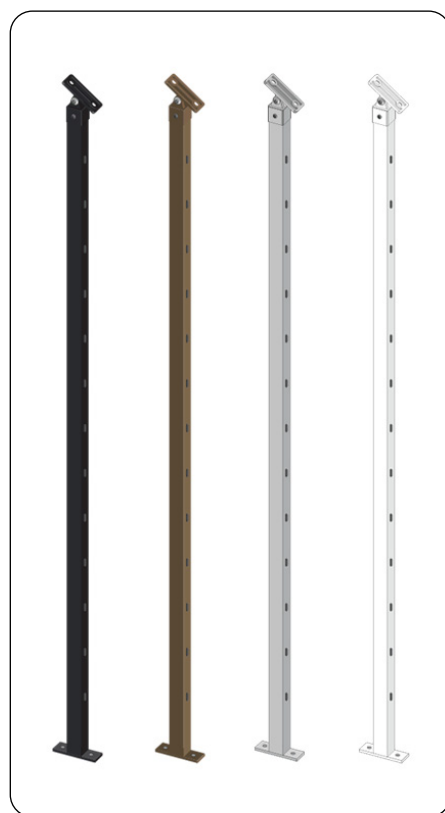


Cable Stabilizers, Aluminum

◀ Cable Stabilizer Kit, 316L SS
(A0908-BK60) Black
(A0908-BZ60) Bronze
(A0908-MT60) Metallic Silver
(A0908-WH60) White

Cable Stabilizer Stair Kit, 316L SS ▶
(A0908-BK60-ST) Black
(A0908-BZ60-ST) Bronze
(A0908-MT60-ST) Metallic Silver
(A0908-WH60-ST) White

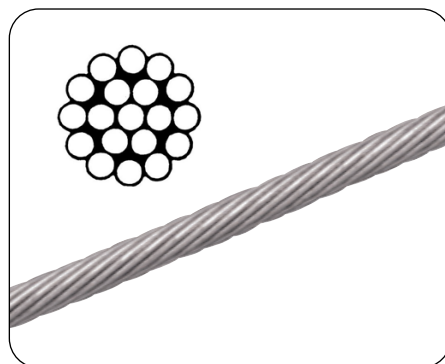
For cable spans greater than 4 ft. (up to 7 ft.), a cable stabilizer must be used to prevent cable deflection. This ensures that the cable infill remains code compliant. Each kit comes with a stanchion (3/4" square x 42" length) that can be cut at both ends for a precise fit. Cable holes/slots are spaced 3" on-center. Cable stabilizers cannot be used to replace a mid post. Kit includes fasteners.



Stainless Cable, 5/32"

5/32" RailEasy™ Cable, 316L SS
(C0978-4025) 25 ft. Coil
(C0978-4100) 100 ft. Spool
(C0978-4500) 500 ft. Spool

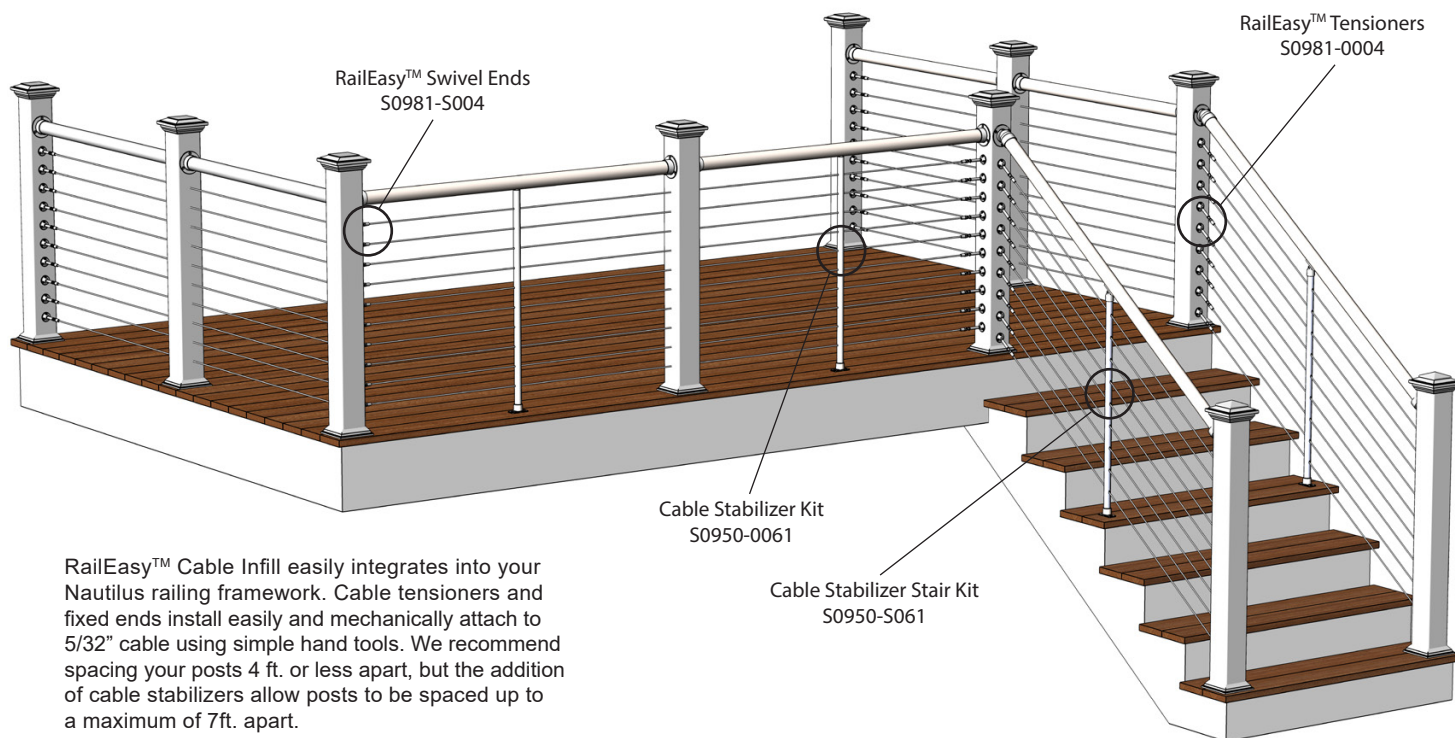
RailEasy™ Cable Infill utilizes 5/32" cable featuring 1x19 strand construction, made from marine grade 316 stainless steel. The RailEasy™ Cable is available in 25 ft. coils and spooled lengths of 100 ft. and 500 ft. Working off a spool or coil is an efficient way of installing cable railing, while reducing wasteful cut offs.



Overview



Nautilus System (2" Round Stainless Steel Rails)



RailEasy™ Cable Infill easily integrates into your Nautilus railing framework. Cable tensioners and fixed ends install easily and mechanically attach to 5/32" cable using simple hand tools. We recommend spacing your posts 4 ft. or less apart, but the addition of cable stabilizers allow posts to be spaced up to a maximum of 7ft. apart.

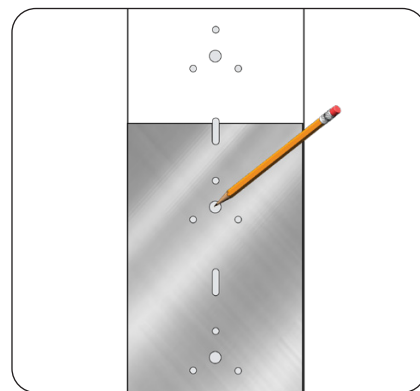
Components



Drilling Template

RailEasy™ Drilling Template, Aluminum (C0988-1000)

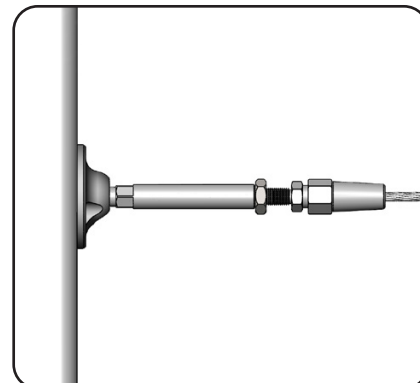
The drilling template allows for easy installation of the RailEasy™ cable railing system. Cable runs are spaced 3" on-center for both 36" and 42" height railing systems. The template features a hole pattern designed specifically for locating/marketing mounting holes for RailEasy™ Tensioners on end, corner and stair posts as well as through holes on mid posts. Cable is spaced 3" on-center for code compliance.



Cable Tensioner, Surface Mount

5/32" RailEasy™ Tensioner, 316L SS (C0981-0204) 2 Pack
(C0981-1004) 10 Pack

The RailEasy™ Tensioner is the primary cable railing tensioning/fastening device. Designed for use with 5/32" cable. The patented mechanical swage fitting allows for installation and tensioning with simple hand tools. Features a patented slotted base to achieve angles up to 45 degrees on stair applications. Use the included 1-1/2" #8 stainless wood screws to surface mount the tensioner base to wood post.

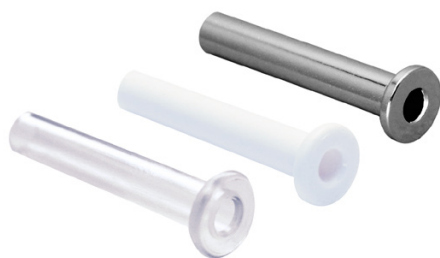
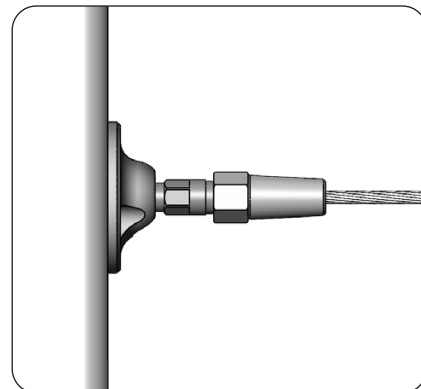




Swivel End, Surface Mount

5/32" RailEasy™ Swivel End, 316L SS
(C0981-S024) 2 Pack
(C0981-S104) 10 Pack

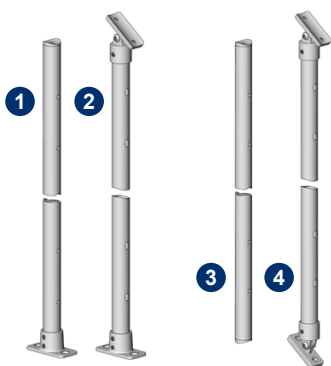
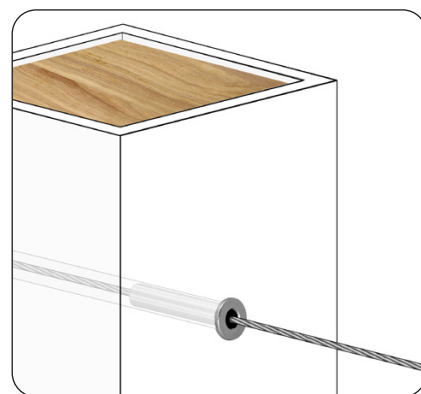
Used in conjunction with a tensioner, the RailEasy™ Swivel End is the primary cable railing fixed end fitting. Designed for use with 5/32" cable. The patented mechanical swage fitting allows for easy installation using simple hand tools. Features a patented slotted base to achieve cable run angles up to 45 degrees on stair applications. Use the included 1-1/2" #8 stainless wood screws to surface mount the base to wood post.



Cable Sleeve, Flush

RailEasy™ Flush Cable Sleeves, 10 Pack
(C0915-0438-F) 316 Stainless Steel
(C0915-0438-FW) Plastic, White
(C0915-0438-FC) Plastic, Clear

The RailEasy™ Flush Cable Sleeve is designed to protect your wood or composite posts from cable rubbing around the mid post cable holes. For installation, drill a hole with a 7/32" bit approximately 1-1/2" deep. Cable Sleeves can be used to offer a finished look to the cable through-holes on an entire rail system, however this is purely for aesthetic reasons.



Cable Stabilizers, 316 SS

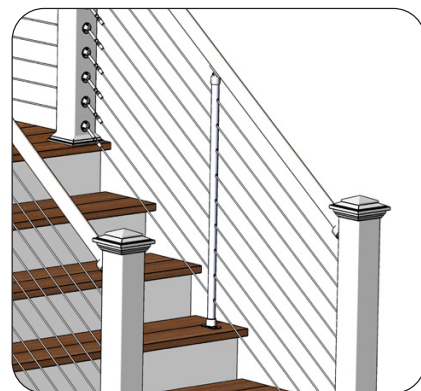
Nautilus I Stabilizers - Top Rail ONLY

1. (S0950-0061) Level
2. (S0950-S061) Stairs

Nautilus II Stabilizers - Top & Bottom Rails

3. (S0950-0062) Level
4. (S0950-S062) Stairs

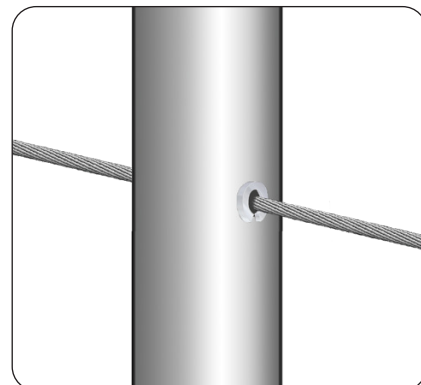
For cable spans greater than 4 ft. (up to 7 ft.), a cable stabilizer must be used to prevent cable deflection. This ensures that the cable infill remains code compliant. Each kit comes with a 1" diameter stanchion that can be cut at both ends for a precise fit. Cable holes/slots are spaced 3" on-center. Kit includes fasteners.

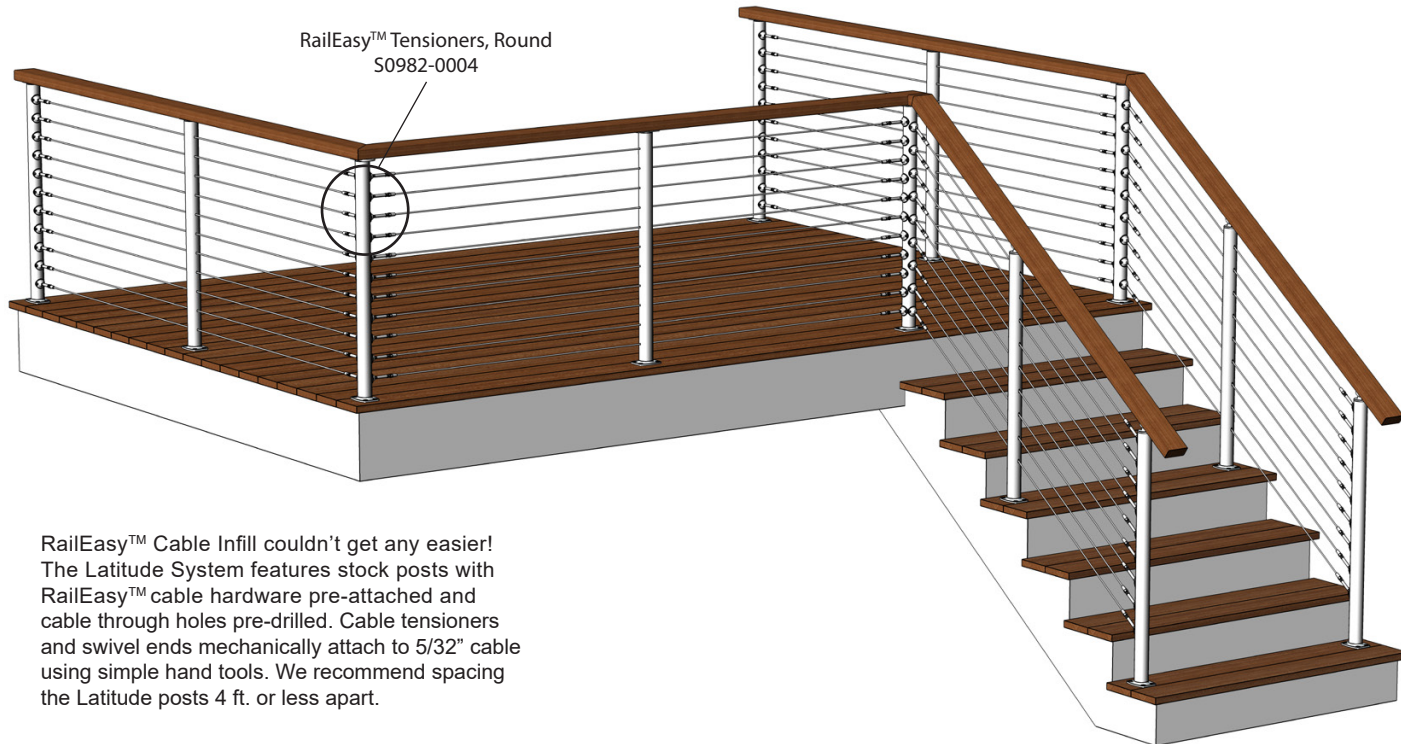


Cable Grommet (for Stabilizers)

1/8" Cable Grommet - Short, Plastic
(C0916-A003-25) 25 Pack

These plastic grommets make installation clean looking while preventing water from entering the cable holes. Use these grommets on cable stabilizers. Installation is easy using the Cable Grommet Installation Tool.





RailEasy™ Cable Infill couldn't get any easier! The Latitude System features stock posts with RailEasy™ cable hardware pre-attached and cable through holes pre-drilled. Cable tensioners and swivel ends mechanically attach to 5/32" cable using simple hand tools. We recommend spacing the Latitude posts 4 ft. or less apart.

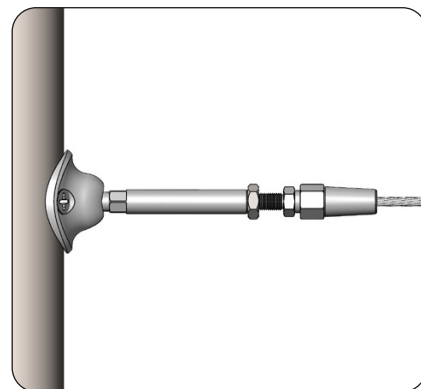
Components



Cable Tensioner, Round Base

5/32" RailEasy™ Tensioner, Round, 316L SS (S0982-0004)

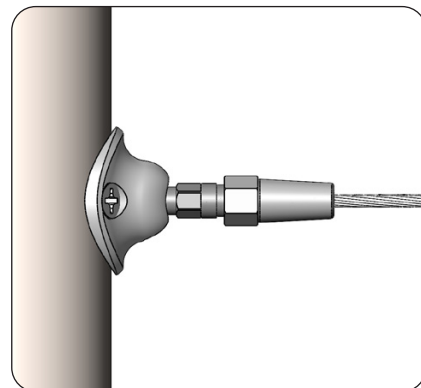
The RailEasy™ "Round Base" Tensioner is the primary tensioning device used in the Latitude system. These tensioners are pre-attached to the stock end, corner and stair Latitude Posts using stainless rivets. The contoured base of each tensioner is shaped to fit the 2" round outer diameter of the stainless steel posts. For use with 5/32" cable. Designed to mechanically attach to cable using simple hand tools. Can achieve angles up to 45 degrees.



Swivel End, Round Base

5/32" RailEasy™ Swivel End, Round, 316L SS (S0982-S004)

The RailEasy™ "Round Base" Swivel End is the primary fixed end fitting used in the Latitude system. They are pre-attached to the stock end, corner and stair Latitude Posts using stainless rivets. The contoured base of each tensioner is shaped to fit the 2" round outer diameter of the stainless steel posts. For use with 5/32" cable. Designed to mechanically attach to cable using simple hand tools. Can achieve angles up to 45 degrees.

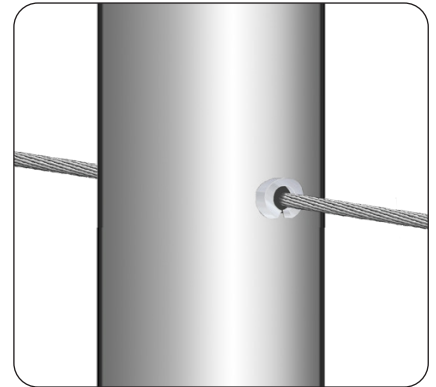




Cable Grommet (for Mid Posts)

1/4" Cable Grommet - Large, Plastic
(C0916-B003-25) 25 Pack

These plastic grommets make installation clean looking while preventing water from entering the cable holes. Use the grommets on mid posts. Installation is easy using the Cable Grommet Installation Tool.



Cable Railing Basics

REGARDLESS OF WHAT ATLANTIS CABLE RAILING YOU USE, WE WANT TO MAKE SURE YOU INSTALL YOUR CABLE RAILING TO A SAFE AND CODE COMPLIANT SPECIFICATION.

To start planning your project always make sure you check with your local code compliance official before starting your cable railing project. They may have special requirements.

The first three basics of cable railing involve spacing; cable spacing, post spacing and total area covered (length of runs).

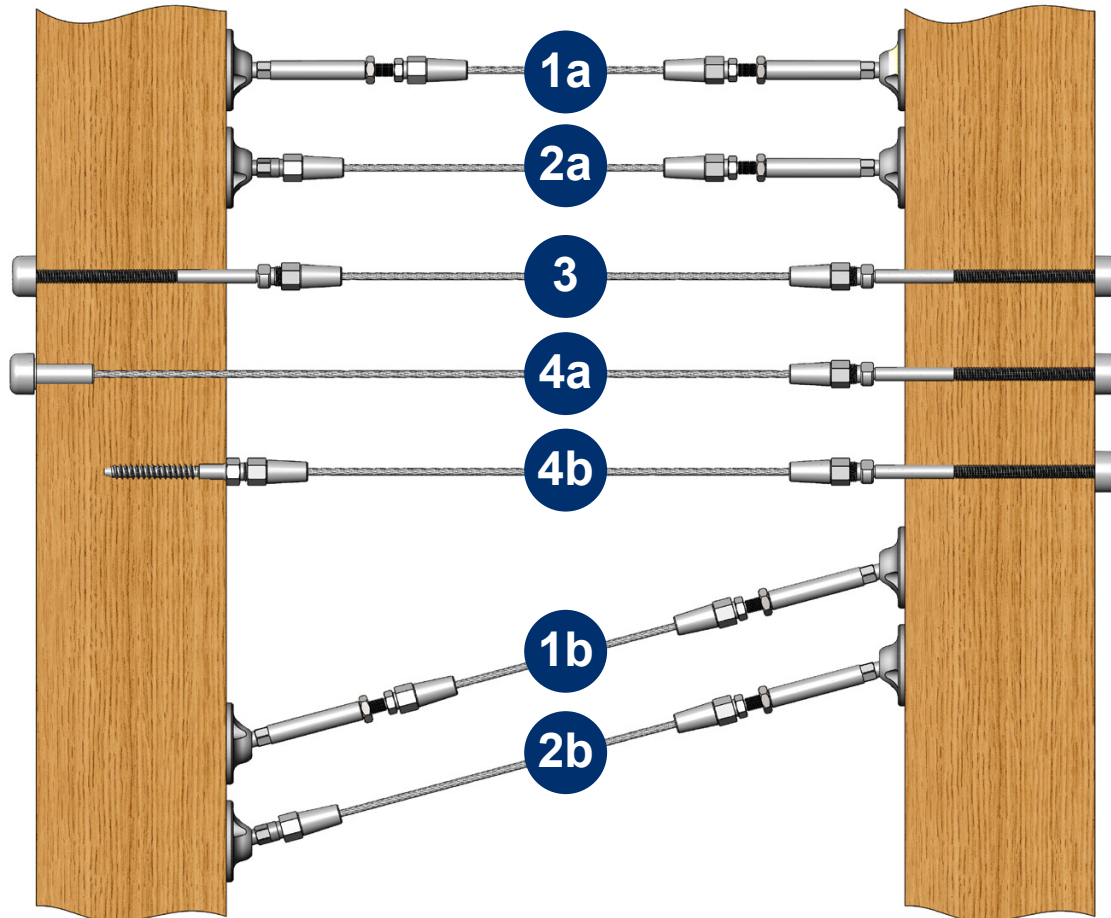
WE DEFINE THESE SPECIFICATIONS AS THE RULE OF 3, 4, 5.

- 3** Cable spacing must **NEVER EXCEED 3 INCHES**.
- 4** Distance between post can **NEVER EXCEED 4 FEET**, if it is necessary to have post spacing over 4 ft., always add cable stabilizers.
- 5** Cable runs should **NOT EXCEED 50 FEET** in total length.

OTHER MUST HAVE / MUST DO CRITERIA AND SPECIFICATIONS FOR CABLE RAILING

- You must always use a top rail.
- You must make sure your structure offers proper blocking where posts are mounted per your local building codes.
- You must follow the manufacturer's instructions including cleaning and maintenance. Stainless steel is "low" maintenance, not "no" maintenance.

RailEasy™ on Wood



Surface Mount (Level & Stair Sections)

1. Longer cable runs (up to 50 ft. max) require tensioning on each end.

- a. Longer cable runs on level section railing must use RailEasy™ Tensioners on each end of the cable to achieve proper cable tension.
- b. Longer cable runs on stair section railing must use RailEasy™ Tensioners on each end of the cable to achieve proper cable tension. Can accommodate up to 45 degree stair angles.

2. Shorter cable runs (up to 25 ft. max) use a Swivel End as a fixed end, but must have a tensioner on the opposing end.

- a. Use RailEasy™ Swivel End as a fixed end option on level section end and corner posts. Must be used in conjunction with a RailEasy™ Tensioner to allow tensioning.
- b. Use RailEasy™ Swivel End as a fixed end option on stair section end post. Must be used in conjunction with a RailEasy™ Tensioner to allow tensioning. Can accommodate up to 45 degree stair angles.

Through Post (Level Sections ONLY)

3. Longer cable runs (up to 50 ft. max) require tensioning on each end.

Longer cable runs on level section railing must use RailEasy™ Stud Assemblies on each end of the cable to achieve proper cable tension.

4. Shorter cable runs (up to 25 ft. max) can use a fixed end option, but must have a tensioning Stud Assembly on the opposing end.

- a. Use RailEasy™ Flush Fittings as a fixed end option on level section end posts and double posted corners. Must be used in conjunction with a RailEasy™ Stud Assembly to allow tensioning.
- b. Use RailEasy™ Lag Studs as a fixed end option on level sections that terminate into a wood structure (wall or column) or a single posted corner. Must be used in conjunction with a RailEasy™ Stud Assembly to allow tensioning.

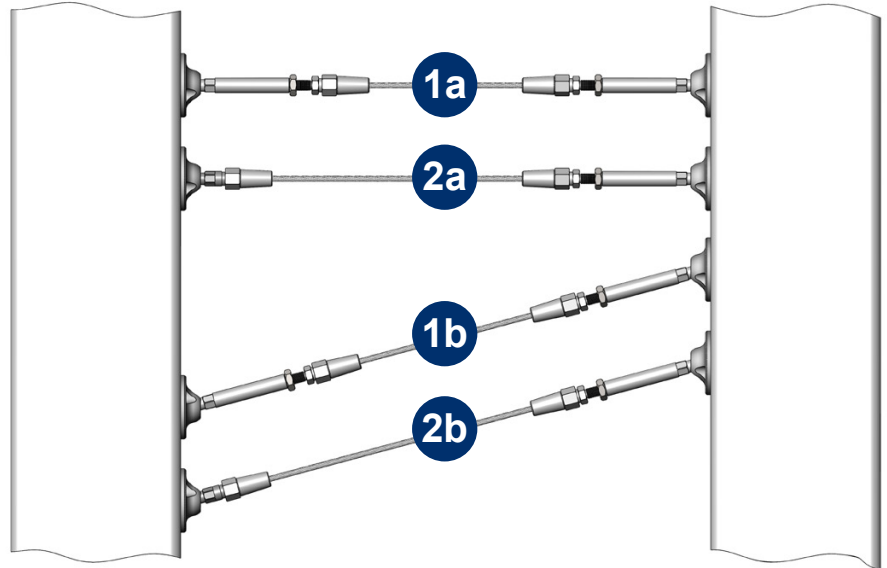
RailEasy™ on Nautilus

1. Longer cable runs (up to 50 ft. max) require tensioning on each end.

- Longer cable runs on level section railing must use RailEasy™ Tensioners on each end of the cable to achieve proper cable tension.
- Longer cable runs on stair section railing must use RailEasy™ Tensioners on each end of the cable to achieve proper cable tension. Can accommodate up to 45 degree stair angles.

2. Shorter cable runs (up to 25 ft. max) use a Swivel End as a fixed end, but must have a tensioner on the opposing end.

- Use RailEasy™ Swivel End as a fixed end option on level section end and corner posts. Must be used in conjunction with a RailEasy™ Tensioner to allow tensioning.
- Use RailEasy™ Swivel End as a fixed end option on stair section end post. Must be used in conjunction with a RailEasy™ Tensioner to allow tensioning. Can accommodate up to 45 degree stair angles.



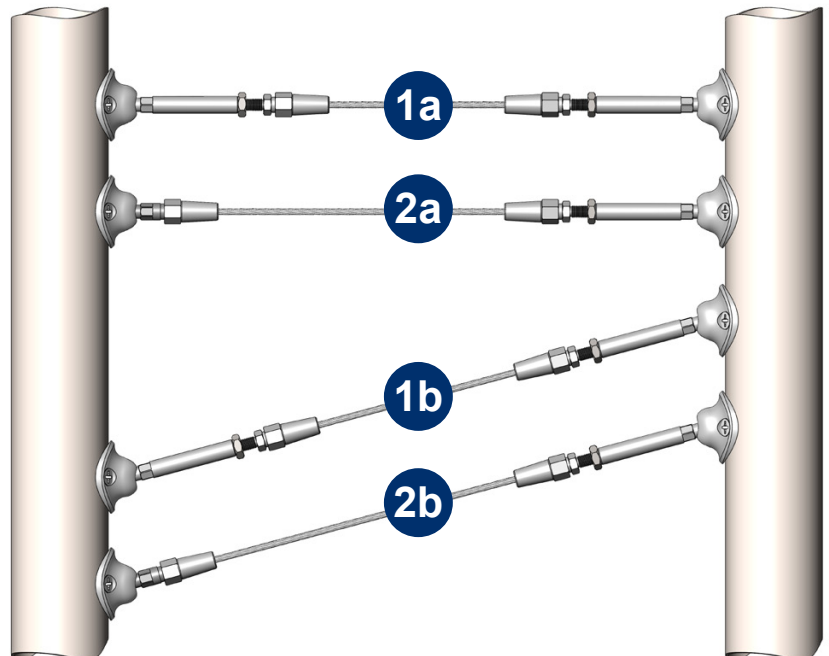
RailEasy™ on Latitude

1. Longer cable runs (up to 50 ft. max) require tensioning on each end.

- Longer cable runs on level section railing must use RailEasy™ Tensioners on each end of the cable to achieve proper cable tension.
- Longer cable runs on stair section railing must use RailEasy™ Tensioners on each end of the cable to achieve proper cable tension. Can accommodate up to 45 degree stair angles.

2. Shorter cable runs (up to 25 ft. max) use a Swivel End as a fixed end, but must have a tensioner on the opposing end.

- Use RailEasy™ Swivel End as a fixed end option on level section end and corner posts. Must be used in conjunction with a RailEasy™ Tensioner to allow tensioning.
- Use RailEasy™ Swivel End as a fixed end option on stair section end post. Must be used in conjunction with a RailEasy™ Tensioner to allow tensioning. Can accommodate up to 45 degree stair angles.



NOTE: This system uses RailEasy™ "Round Base" Tensioners and Swivel Ends. This means the base is curved/rounded to fit the contour of the 2" tubular posts used throughout the Latitude System.



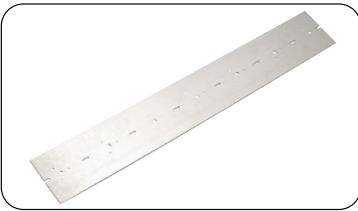
RailEasy™ Cable Cutter
(C0989-00HD)

This cutter features heat treated blades which cleanly cut up to 5/32" diameter cable. Great for smaller, economical jobs where fewer cuts are necessary.



Heavy Duty Cable Cutter
(E0111-WR06)

Drop forged cutting blades cut cable cleanly and allow for more cuts than our smaller units. The handles are longer for more leverage and feature rubber grips for comfort. For cutting cable up to 3/16" diameter.



RailEasy™ Drilling Template
(C0988-1000)

This aluminum template features hole patterns for mounting cable fittings on corner/end posts and for drilling cable through holes in mid posts. Designed for 3" cable spacing.



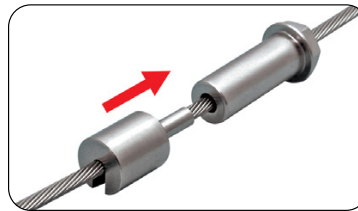
RailEasy™ Installation Tools
(C0988-0000)

Essential tools kit for properly installing RailEasy™ Cable Systems. The kit includes: 5/16", 3/8" and 7/16" open wrenches, 7/32" and 1/8" drill bits and #2 stainless steel Square head driver bits.



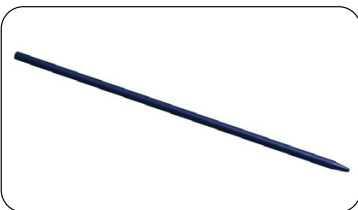
Fastener Lubricant
(E0102-0000)

Use on the tip of wood screws to eliminate the stripping of screw heads and to speed up the installation process. Highly recommended for projects with hardwood posts. Contains beeswax.



Release Tool, 5/32"
(S0981-RT04)

Designed for removing or adjusting the RailEasy™ Flush Fitting. This tool is placed over the cable and pushed into the head of the flush fitting to release the grip of the spring loaded jaws on the cable.



Straight Lacing Needle, 2 Pack
(C0988-4000-2)

Use the Cable Lacing Needle with 1/8" and 5/32" cable. It helps guide cable through post holes without snagging to ensure a quick and easy cable railing installation.



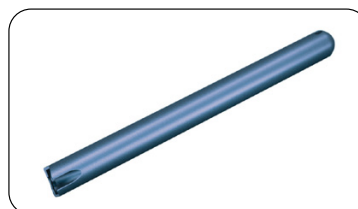
Cutting Disk, 2 Pack
(E0113-CD04-2)

4.5" Cutting disk used to cut threads on tensioning studs after installation. Not recommended for cutting cable. For cutting metal only. Never exceed Max RPM of 13,300.



Rail Care Kit
(E0100-K000)

Everything needed to keep your stainless railing system clean and protected. **Kit contains:** Spray bottle of passivating fluid, microfiber polishing cloth, cup of metal polish and a bottle of car wash soap.



Cable Grommet Install Tool
(E0916-1000)

This simple tool makes installing cable grommets quick and easy. Designed to clip grommet onto cable and push them into post/stabilizer holes.