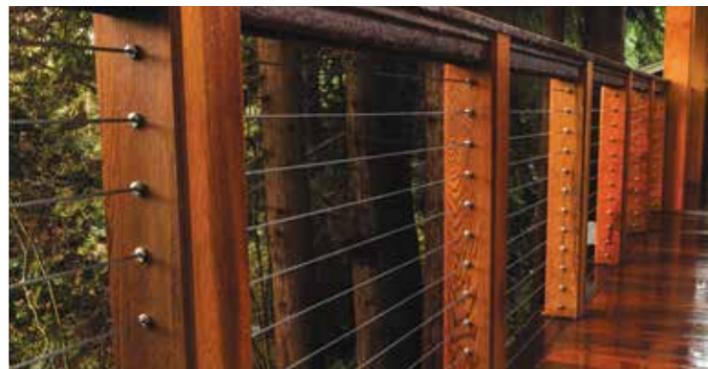


MARINE-GRADE 316L STAINLESS STEEL RAILING • ARCHITECTURALLY CORRECT POSTS AND HANDRAIL



VIEWRAIL

RAILING BUYER'S GUIDE



Cablerail for Metal Posts 4

This section explains how the Viewrail Kits, components, and posts work together to create a railing system that combines strength and elegance for results that are safe as well as beautiful.



Handrail for Metal Posts 12

This is where sight and touch engage people with product—certainly no place to cut corners. Our wide offering of material, profile, and color puts you in command of making it feel as good as it looks.

Rail Choices for Metal Posts 14

If you're looking for an alternative to cablerail, stainless steel rods offer the strength of solid marine-grade 316L stainless, while looking right at home with sleek, modern architecture. You can also check out our Glass Rail and Vertical Cable railing systems, both featuring beautifully crafted Viewrail posts.

Cablerail for Wood Posts 16

Bring a modern splash of stainless steel to your wood post project with Viewrail Cablerail. This section outlines our Kits and components that can help you plan for something new or transform your existing wood system.

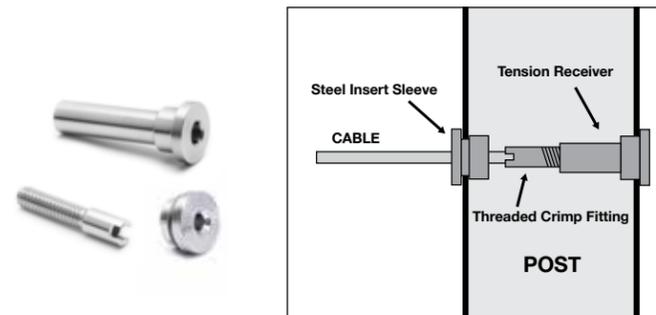


Cablerail for Metal Posts

Mounting cable requires one of our component Kits at each end of a cable run. All Viewrail components are made from 316L stainless steel for the utmost in strength and durability.

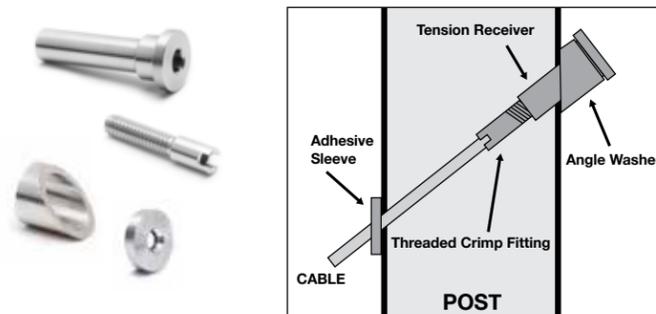
Level Tension Kit – VR290

The Level Tension Kit consists of one Tension Receiver, one Threaded Crimp Fitting, and one Steel Insert Sleeve. Slide the Steel Insert Sleeve onto the cable. Next, the Threaded Crimp Fitting is double-crimped onto the cable then inserted through the proper post hole. On the opposite side of the post, a Tension Receiver is inserted and the two parts are threaded together. When tightened, these parts tension the cable. The Steel Insert Sleeve is then tapped into the hole, hiding the Threaded Crimp Fitting and cleaning up the look.



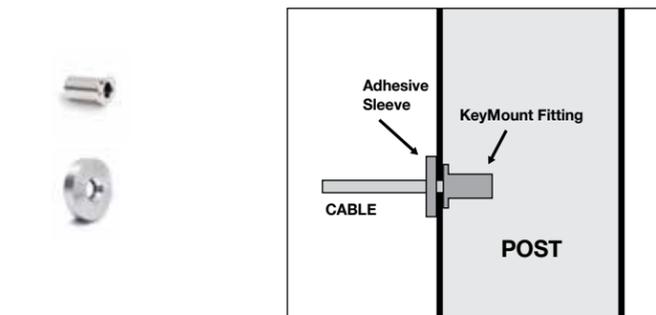
Angle Tension Kit – VR294

The Angle Tension Kit consists of one Tension Receiver, one Threaded Crimp Fitting, one Angle Washer, and one Adhesive Sleeve. Slide the Adhesive Sleeve onto the cable. Next, the Threaded Crimp Fitting is double-crimped onto the cable then inserted through the proper post hole. On the opposite side of the post, a Tension Receiver is inserted through an Angle Washer into the hole, and the two parts are threaded together. When tightened, these parts tension the cable. The Adhesive Sleeve is then affixed to the post, hiding the Threaded Crimp Fitting and cleaning up the look.



KeyMount Kit – VR292

The KeyMount Kit consists of one KeyMount Fitting and one Adhesive Sleeve. This Kit works on both level and angle applications. The KeyMount Fitting can only be used with a Viewrail post that has been made with keyholes. First, slide the Adhesive Sleeve onto the cable. Next, the KeyMount Fitting is double-crimped onto the cable with the small end of the fitting flush with the end of the cable. The KeyMount Fitting is then inserted into the keyhole and turned until the lip on the fitting locks it inside the post. The Adhesive Sleeve is then affixed to the post.



Stainless Steel Cable – VR100

Our 5/32" 316L marine-grade stainless steel cable is suitable for residential and commercial applications. It is made from 7 bundles of 7 strands each. Multiple bundles makes the cable flexible and great for turning corners.



Tension Receiver – VR305

This part has threads inside to receive the Threaded Crimp Fitting. An allen wrench is used to turn the Tension Receiver to tighten a cable.



Threaded Crimp Fitting – VR306

This part is crimped to the end of a cable so it can be terminated in a Tension Receiver.



KeyMount Fitting – VR311

The KeyMount is crimped to the end of a cable and used with a post that has a keyhole.



Steel Insert Sleeve – VR331

This part covers the hole wherever cable exits a post on a level run, creating a clean look. Insert sleeves are required for certain corner applications.



Adhesive Sleeve – VR339

This part covers the hole wherever cable exits a post, creating a clean and elegant look. This adhesive version is designed for angled or KeyMount applications.



Angle Washer – VR345

Angle washers are required whenever a Tension Receiver is used in an angled application.





Posts for Cablerail

The Right Tools for the Job

Our specialized Tool Kits have everything you'll need to install your cablerail system. These are contractor-grade tools that have been hand selected to make your installation as efficient as possible.

Cablerail Tool Kit (VR400)

This Kit is used with our wood post and metal post cablerail systems. It contains the following items:

- Crimper
- Cable Cutter
- Tightening Tool – used to hold Threaded Crimp Fitting
- Guide Pin – useful for threading Threaded Crimp Fitting
- 1/4" Allen Wrench – used to turn Tension Receiver
- Torx Bit – to drive post mounting screws
- Wood Block – for tapping in Insert Sleeves
- String – run through bottom hole of posts to check clearance on stairs



DriveTite Tool Kit (VR440)

This Kit is used with our DriveTite Kit for wood post systems. (See page 16 to learn more about DriveTite) It contains the following items:

- Cable Cutter
- Modified Pliers
- Torx Bit – to drive the Tensioning Screws into wood posts
- Wood Block – for tapping in Insert Sleeves
- String – run through bottom hole of posts to check clearance



Standard Powder Coat Colors: Black, Copper Vein, Fashion Grey, and Apollo White. Please see a physical sample before ordering.

Mounting Options

Viewrail manufactures posts in four mounting styles: Side Mount (fascia mount), Slim Side Mount (fascia mount), Surface Mount, and Angle Foot (pictured at left, respectively). Since all of our posts are built to order, they can be made with an Angle Foot mount at a precise angle or drilled with custom hole spacing. Whatever tweaks you need to make it just right, we can make it happen for you.

Materials and Finishes

As many of our customers have come to appreciate, we offer brushed or powder coated finishes that can satisfy a wide range of tastes. Our post materials have been carefully chosen for beauty and strength. These materials include 316L stainless steel, 304 stainless steel, cold rolled steel, and aluminum.

Foot Covers

As seen on the Surface Mount post pictured at left, our Foot Covers slide over the post and cover the mounting screws to further drive home the Viewrail look of simplicity and elegance. Split Foot Covers are also available for Rods installations or to be added to any post after installation of cable. Foot Covers and Split Foot Covers are also available in a variety of angles for our Angle Foot Posts.

Load Bearing

Viewrail posts (when installed with recommended fasteners) are designed to exceed code requirements of 200 pounds of force in any direction. In-house testing shows that our posts withstand over 250 pounds before any noticeable stress on the posts. Posts that meet higher load limits are available. Fasteners must be securely fastened into all mounting holes.

Post Configurations for Cablerail

These post configurations are the most commonly used. If you think your job will need something special, we've got you covered. We specialize in custom solutions.

The A Post

The A post can be used as an end post or a line post (A2) for level cable runs. When used as an end post, the A post terminates cable runs with a Tension Receiver.

The B Post

The B post is used as an end post, and the B5 is a pass-through post; both are for angle cable runs. When used as an end post, the B post terminates cable runs with a Tension Receiver and an Angle Washer. The B posts are also available with an angled foot for use on knee walls or other angled surfaces.

The C Post

The C post is a corner post. It has 'through holes' that terminate a cable run with a Tension Receiver. At a 90° turn, the C post has a set of special keyholes for the KeyMount Fitting. (See diagram on page 9.)

The F Post

The F post is an end post that uses our KeyMount system for level applications. It has keyholes in only one side of the post that receive the KeyMount Fitting.

The H Post

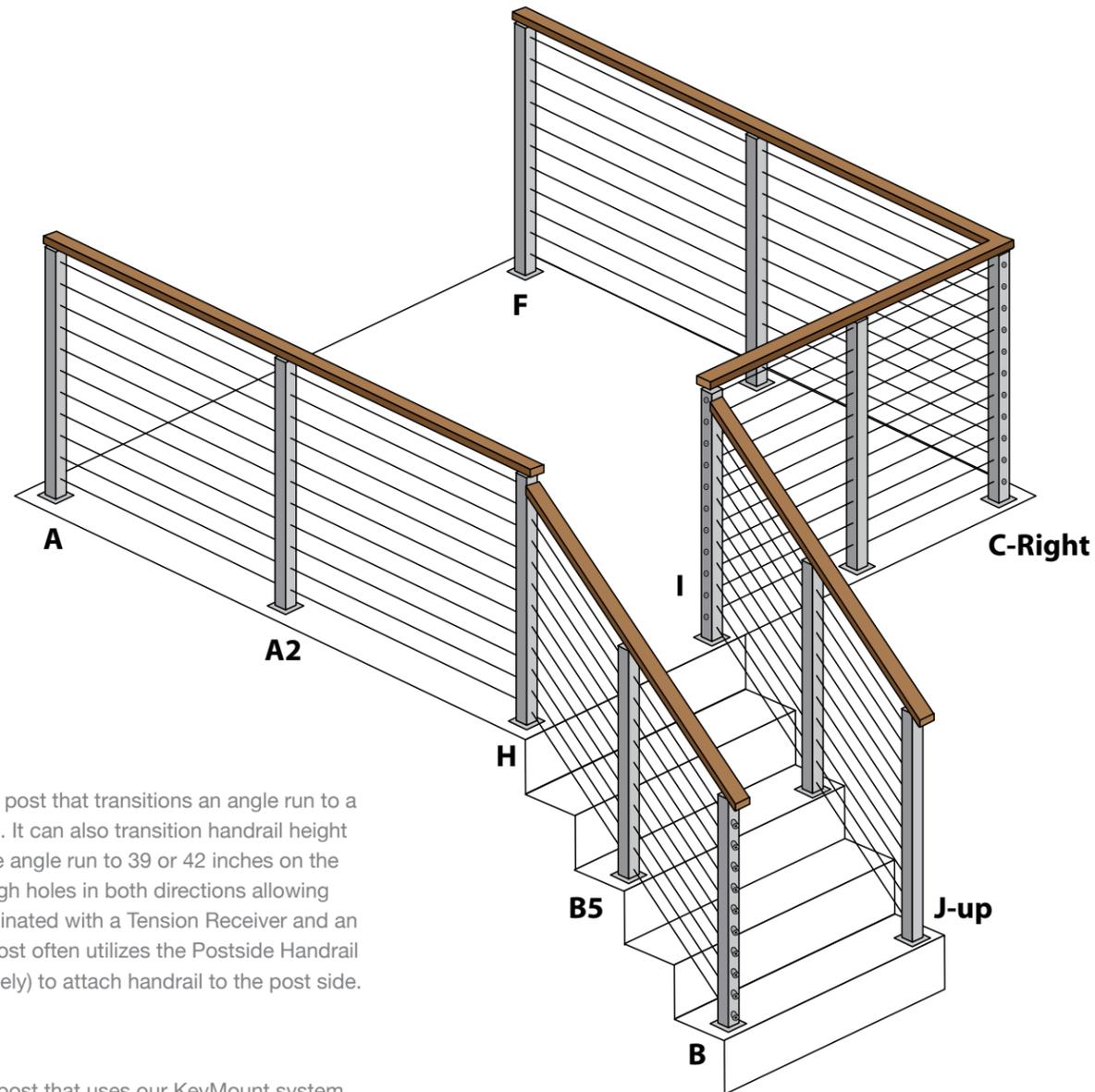
The H post is used to transition from a 36 inch angle run (10 cables) to a level run that is 39 inches (11 cables) or 42 inches (12 cables). The bottom 10 cables pass through the post while the additional cable(s) start at the top of the post via a keyhole and KeyMount Fitting. This post often utilizes the Postside Handrail Bracket (sold separately) to attach handrail to the side of the post.

The I Post

The I post is a corner post that transitions an angle run to a level run at a 90° turn. It can also transition handrail height from 36 inches on the angle run to 39 or 42 inches on the level run. It has through holes in both directions allowing cable runs to be terminated with a Tension Receiver and an Angle Washer. This post often utilizes the Postside Handrail Bracket (sold separately) to attach handrail to the post side.

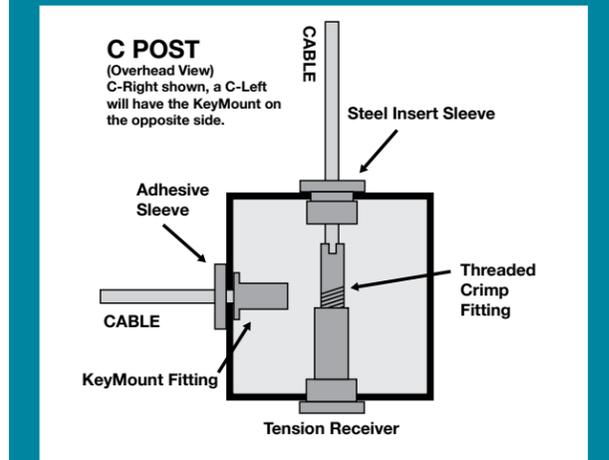
The J Post

The J post is an end post that uses our KeyMount system for angle applications. It has keyholes in one side of the post that receive the KeyMount Fitting. It is available in 'up' or 'down' configurations.



Turning a Corner with One Post

In a system based around hidden fasteners for optimal elegance, it can be pretty tricky to turn a corner with a single post while keeping those fasteners out of sight. Take a look at how it works!



The S Post

The S post is available in our standard 36, 39, and 42 inch heights, but has no holes drilled. This configuration is often used by customers who want to drill their own holes, or in applications where handrail support is desired with no infill.



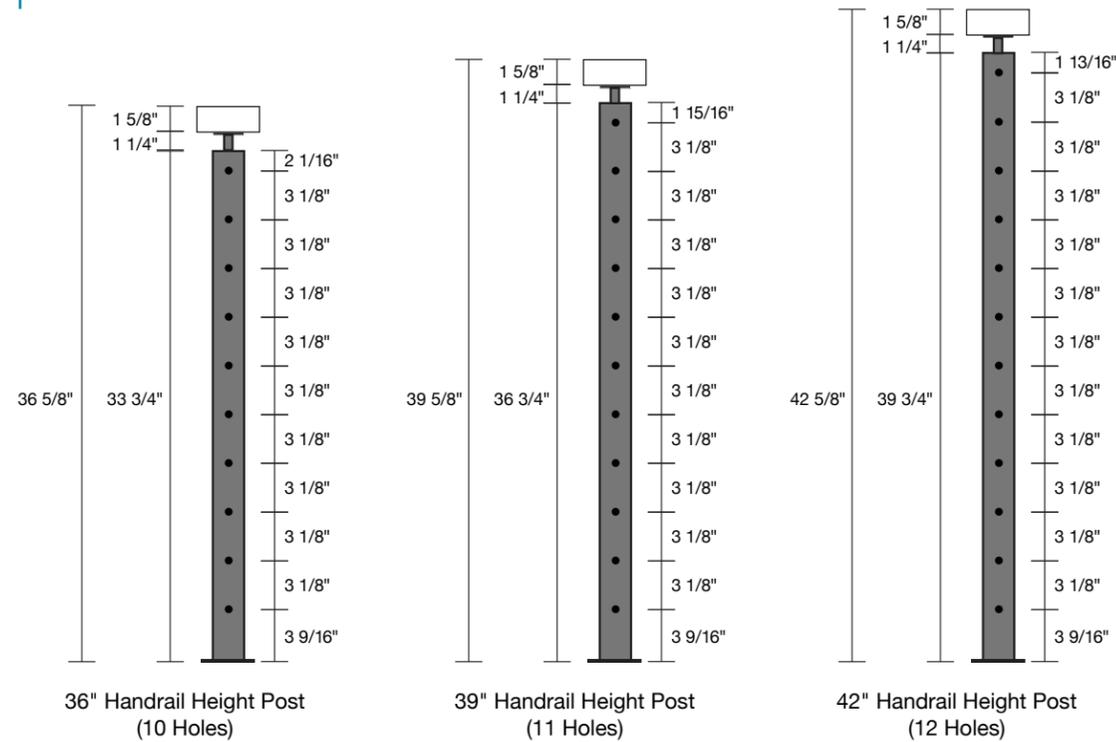
Mounting Screws that Hold

We recommend using the high quality GRK screws that we offer when mounting posts. These screws have been tested with our posts and have proven to provide load bearing that exceeds code requirements. Mounting screws are available in stainless steel, steel, and coated.

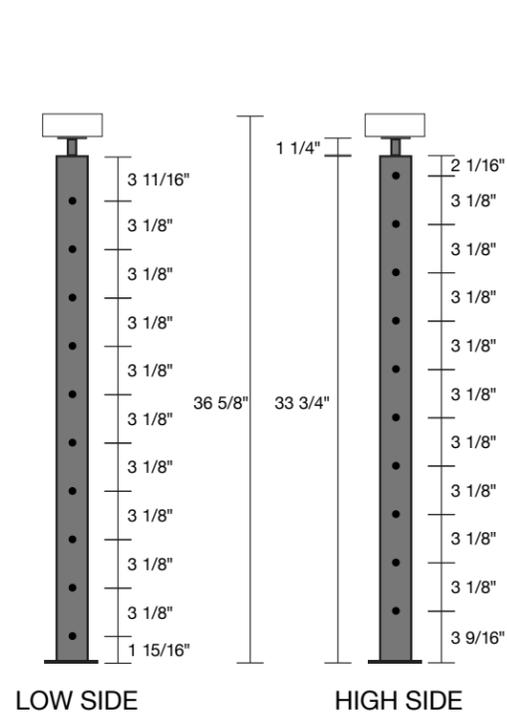
Post Specifications

For Standard Sizes

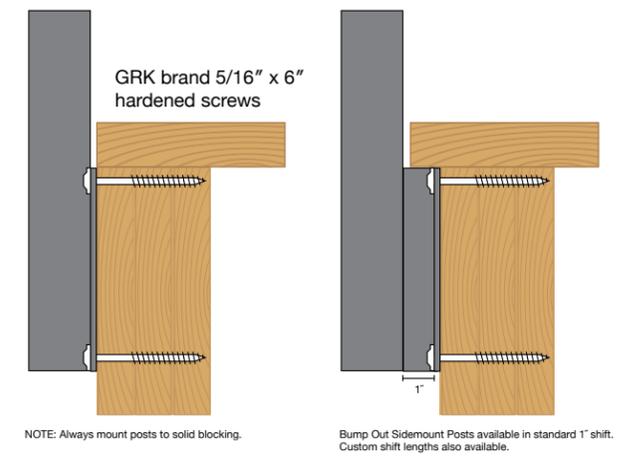
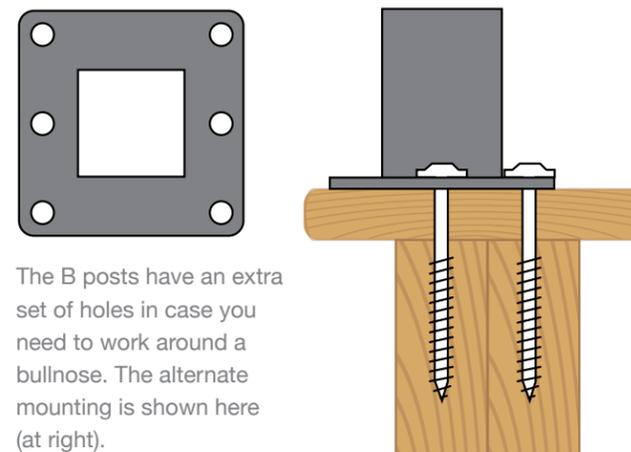
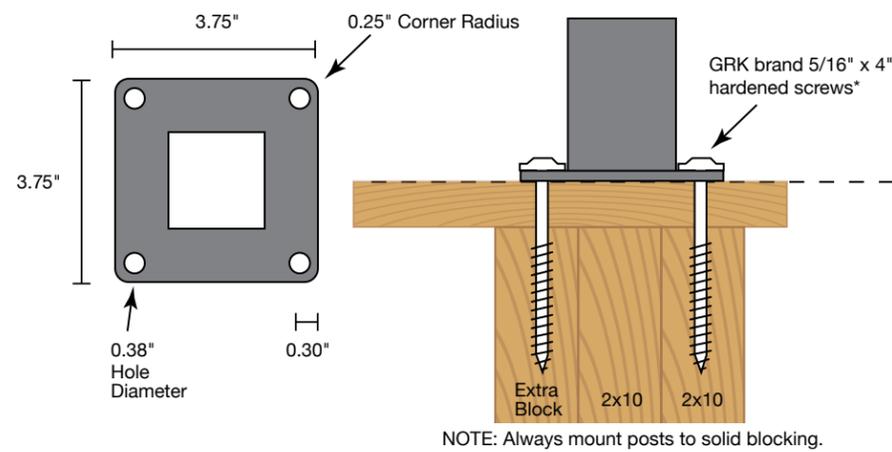
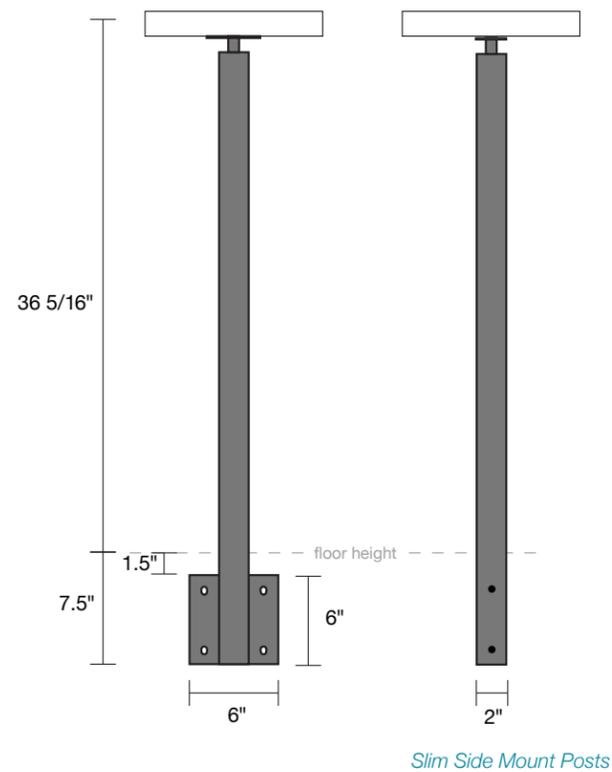
Posts with Level Cable Runs



Posts with Angle Cable Runs



Side Mount Posts (Fascia Mount)



Handrail for Metal Posts



The Warmth of Wood

Wood handrail solutions are frequently used with our cable rail system. We offer architecturally correct handrails in dozens of wood species that are great for interior or exterior use. With so many species, stains, and profiles available, your design creativity can run wild.

A Modern Masterpiece

Our 1" x 2" rectangular handrail is made to perfectly compliment our 2" square posts. The combination is a simply stunning display of modern elegance. It comes in brushed marine-grade 316L stainless steel, 304 stainless steel, and powder coated cold rolled steel or aluminum. The ends can be finished in our factory with precise field measurements or cut to fit on site.

The Circumference of Comfort

Some of our customers won't accept anything less than round handrail. They love the way it looks and feels so smooth. We craft it out of marine-grade 316L stainless steel, 304 stainless steel, and powder coated cold rolled steel. We also make handrail brackets that have been specially designed to fit our Round Handrail.



Handrail Caps

Available in 316L stainless steel, and powder coated cold rolled steel or aluminum, these caps are made to fit over handrail transitions that have been field cut to fit.

Handrail Brackets

Available in 316L stainless steel and powder coated cold rolled steel, these brackets are designed to mount the handrail to Viewrail posts. Handrail Brackets come included with your Viewrail posts.

Postside Handrail Brackets

These brackets have been designed to accommodate handrail that terminates into the side of a post. Made from 316L stainless steel, they can be powder coated to match your system. Available in wood mount (VR456) or steel mount (VR455 – requires a Rivnut Tool).

Handrail Mounting Screws

We offer wood screws and self-tapping metal screws to cover your handrail mounting needs. All screws are stainless steel and available in black.



Wall-mounted Handrail Brackets

Beautiful in brushed stainless or powder coated, these brackets will carry that signature Viewrail look throughout your railing system. Available in 90° (VR450 – shown at left) and Bent (VR452 – shown above). Both brackets have a projection of 2 3/4".



Rail Choices for Metal Posts



Stainless Steel Rods

Viewrail Rods are 3/8" solid 316L stainless steel. When paired with our 316L stainless steel posts and matching handrail, you've got a railing system that'll stand up to just about anything—and look great doing it.

Installation So Simple

With no fittings or tensioning, Rods are incredibly simple to install. All you do is mount the posts, cut the rods to size, slide them in place, then sandwich them between the end posts. Add a handrail, and all that's left is kicking back and enjoying your view.

Throw Them a Curve

One of the beautiful advantages to Rods is their ability to bend. We can pre-bend rods at the factory to accommodate a range of curves.



Inserts for Rods

These optional fittings bring a look of added sophistication to any Rods installation. The inserts require a larger hole in the post, so make sure to order your posts accordingly if you want Inserts for Rods.

Glass Railing

Viewrail Glass offers the clean look you expect from glass railing with the elegance of our architecturally correct posts. We have glass clips that support 3/8" or 1/2" glass.



Vertical Cable

Viewrail Vertical Cable is another example of our dedication to hidden fasteners, placing high value on simplicity and modern elegance while keeping your view uncluttered.

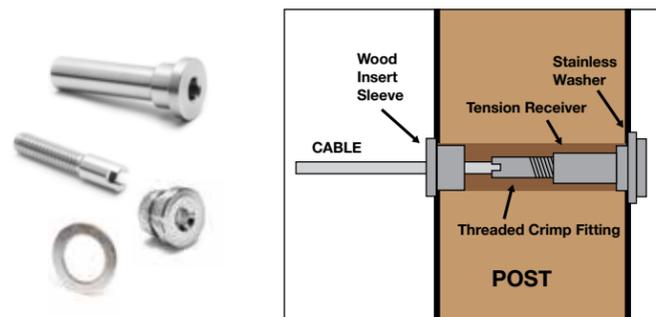


Cablerail for Wood Posts

Mounting cable requires one of our component Kits at each end of a cable run. Viewrail components are made from 316L stainless steel for the utmost in strength and durability.

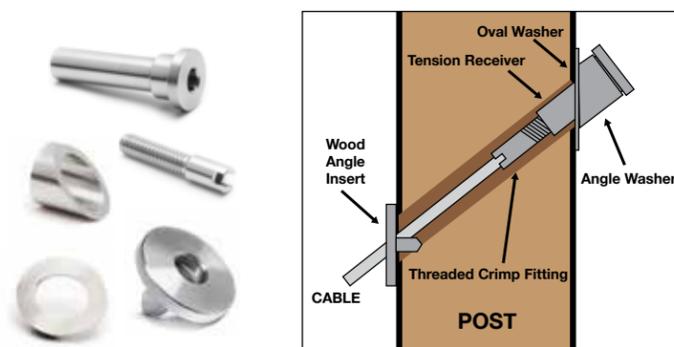
Wood Level Tension Kit – VR295

The Wood Level Tension Kit consists of one Tension Receiver, one Threaded Crimp Fitting, one Stainless Washer, and one Wood Insert Sleeve. First, slide the Wood Insert Sleeve onto the cable. Next, the Threaded Crimp Fitting is double-crimped onto the cable then inserted through the proper post hole. On the opposite side of the post, a Tension Receiver with a Stainless Washer is inserted and the two parts are threaded together. When tightened, these parts tension the cable. The Wood Insert Sleeve is then tapped into the hole to hide the Threaded Crimp Fitting, cleaning up the look.



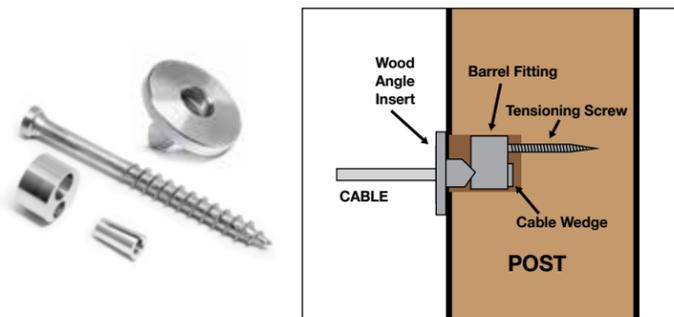
Wood Angle Tension Kit – VR299

The Wood Angle Tension Kit consists of one Tension Receiver, one Threaded Crimp Fitting, one Angle Washer, one Oval Washer, and one Wood Angle Insert. First, slide the Wood Angle Insert onto the cable. Next, the Threaded Crimp Fitting is double-crimped onto the cable then inserted through the proper post hole. On the opposite side of the post, a Tension Receiver is inserted through an Angle Washer and Oval Washer into the hole, and the two parts are threaded together. When tightened, these parts tension the cable. The Wood Angle Insert is then tapped into the post, hiding the Threaded Crimp Fitting and cleaning up the look.



DriveTite Kit – VR297 (PATENT PENDING)

The DriveTite Kit consists of one Barrel Fitting, one Cable Wedge, one Tensioning Screw, and one Wood Angle Insert. Drill a 5/8" hole 1 3/8" deep. Slide the Wood Angle Insert onto the cable, then slide the Cable Wedge on until larger end is flush with the end of the cable. Insert the Cable Wedge into the smaller hole of the Barrel Fitting. Compress the Cable Wedge into the Barrel Fitting with Modified Pliers*. Use the Tensioning Screw to seat the barrel assembly deep into the post hole. Tap in the Wood Angle Insert to finish the look.



*Modified Pliers are part of the DriveTite Tool Kit (VR440)

Stainless Steel Cable – VR100

Our 5/32" 316LSS marine-grade stainless steel cable is suitable for residential and commercial applications. It is made from 7 bundles of 7 strands each. Multiple bundles makes the cable flexible and great for turning corners.

Tension Receiver – VR305

This part has threads inside to receive the Threaded Crimp Fitting. An allen wrench is used to turn the Tension Receiver to tighten a cable.

Threaded Crimp Fitting – VR306

This part is crimped to the end of a cable so it can be terminated in a Tension Receiver.

DriveTite Mount

The DriveTite Mount is used to mount cable into the side of a wood post. Can be used in level or angle runs. This mount is made up of the Barrel Fitting (VR360), Cable Wedge (VR362), and the Tensioning Screw (VR364).

Wood Insert Sleeve – VR334

This part covers the hole wherever cable exits a post on a level run, creating a clean and elegant look. Required for certain corner applications.

Wood Angle Insert – VR336

This part is a way to cover the hole wherever cable exits a post at an angle, creating a clean look.

Stainless Washer (VR340), Oval Washer (VR342)

Washers are required whenever a Tension Receiver is used in a softwood or vinyl application. Use Oval washers in angled applications.

Angle Washer – VR345

Angle washers are required whenever a Tension Receiver is used in an angled application.

Parts Catalog

This is a complete list of Viewrail Kits, Components, Tools, and Accessories.

Cablerail Component Kits		
Level Tension Kit	VR290-1 1 pack VR290-10 10 pack VR290-11 11 pack VR290-12 12 pack	(1) Tension Receiver, (1) Threaded Crimp Fitting, (1) Steel Insert Sleeve 
Angle Tension Kit	VR294-1 1 pack VR294-10 10 pack VR294-11 11 pack VR294-12 12 pack	(1) Tension Receiver, (1) Threaded Crimp Fitting, (1) Angle Washer, (1) Adhesive Sleeve 
KeyMount Kit	VR292-1 1 pack VR292-10 10 pack VR292-11 11 pack VR292-12 12 pack	(1) KeyMount Fitting, (1) Adhesive Sleeve 
Wood Level Tension Kit	VR295-1 1 pack VR295-10 10 pack VR295-11 11 pack VR295-12 12 pack	(1) Tension Receiver, (1) Threaded Crimp Fitting, (1) Wood Insert Sleeve, (1) Stainless Washer 
Wood Angle Tension Kit	VR299-1 1 pack VR299-10 10 pack VR299-11 11 pack VR299-12 12 pack	(1) Tension Receiver, (1) Threaded Crimp Fitting, (1) Angle Washer, (1) Oval Washer, (1) Wood Angle Insert 
DriveTite Kit	VR297-1 1 pack VR297-10 10 pack VR297-11 11 pack VR297-12 12 pack	(1) Tensioning Screw, (1) Barrel Fitting, (1) Cable Wedge, (1) Wood Angle Insert 

Components		
Tension Receiver	VR305	
Threaded Crimp Fitting	VR306	
KeyMount Fitting	VR311	
Tensioning Screw	VR364	
Barrel Fitting	VR360	
Cable Wedge	VR362	
Steel Insert Sleeve	VR331	
Wood Insert Sleeve	VR334	
Adhesive Sleeve	VR339	
Wood Angle Insert	VR336	
Stainless Washer	VR340	
Oval Washer	VR342	
Angle Washer	VR345 37° VR345-25 25° VR345-30 30° VR345-35 35° VR345-45 45°	
Steel Plug	VR338	
Glass Clips	VR703 3/8" Glass VR705 1/2" Glass	





Infill Products		
5/32" 7x7 316L Stainless Steel Cable	VR100 VR100-100 VR100-400	Loose Cable 100 ft. Spool 400 ft. Spool
5/32" 1x19 316L Stainless Steel Cable	VR119 VR119-100 VR119-400	Loose Cable 100 ft. Spool 400 ft. Spool
3/8" Stainless Steel Rods - 12 ft.	RD100 RD105	Pre-Bent 6' Radius
Insert for Rods	RD301 RD305	Level Angle
Long Run Rods Coupler	RD307	
Rods Intermediate Post	RD690	

Installation Products	
Cablerail Tool Kit	VR400
DriveTite Tool Kit	VR440
Modified Pliers	VR441
Cable Crimper	VR401
Cable Cutters	VR402
Allen Wrench	VR403
Cable Tightening Tool	VR405
Set of 10mm Crimper Dies	VR404
Marine 31 Liquid Polish - 16 oz.	VR407
Marine 31 Liquid Sealant - 16 oz.	VR408

Intermediate Posts

The Viewrail cable rail system offers three styles of intermediate posts as a solution for layouts that have more than 4' between main wood or composite posts. These posts can be spaced evenly between main posts to keep cable deflection to a minimum. (8' max. between main posts)

1x2 Intermediate Post

These posts can be trimmed to fit on the job site or ordered to a specific height. A swivel top is available for stairs. These posts are available in brushed finish or powder coat.

3/16 Intermediate Post

This 3/16" x 1 1/4" stainless steel post is a great choice for a light look at an attractive price. This simple to install post can be easily modified on site. Attachment screws are supplied. Comes in Bent and Prong mounting styles.

3/4 Square Post

This aluminum post is simple to install and available in a range of powder coat colors.



Intermediate Posts	36"	39"	42"
1x2 Intermediate Post			
316L Stainless Steel	VR621	VR622	VR623
304 Stainless Steel	VR641	VR642	VR643
Aluminum	VR661	VR662	VR663
1x2 Int. Post - Hidden Foot			
316L Stainless Steel	VR631	VR632	VR633
304 Stainless Steel	VR651	VR652	VR653
Aluminum	VR671	VR672	VR673
3/16" Bent Post w/Foot Cover			
316L Stainless Steel	VR611	VR612	VR613
3/16" Prong Post w/Foot Cover			
316L Stainless Steel	VR601	VR602	VR603
3/4" Square Intermediate Post			
Aluminum	VR681	VR682	VR683



Post & Handrail Accessories	316LSS	CRS	Alum.
135° Handrail Cap	VR572	VR552	VR592
90° Handrail Cap	VR571	VR551	VR591
Straight Handrail Cap	VR573	VR553	VR593
Handrail End Plug	VR574	VR554	VR594
Foot Cover	VR521	VR501	VR541
Split Foot Cover	VR522	VR502	VR542
Wall Mount Foot Cover	VR523	VR503	VR543
Angle Foot Cover	VR525	VR505	VR545
Angle Split Foot Cover	VR526	VR506	VR546
Handrail Bracket - Straight	VR801-316	VR801-CRS	X
Handrail Bracket - Half	VR802-316	VR802-CRS	X
Handrail Bracket - Left Corner	VR804-316	VR804-CRS	X
Handrail Bracket - Right Corner	VR805-316	VR805-CRS	X
Slip Fitting Inside Tube	VR350		
Slip Fitting Outside Tube	VR351		
Postside Handrail Bracket	VR455 For Metal Posts VR456 For Wood Posts		
Wall Mounted Handrail Bracket	VR450 90° VR452 Curved		
Metal Handrail Mounting Screw	VR420 Black VR422 Stainless		
Wood Handrail Mounting Screw	VR425 Black VR426 Stainless		
GRK Post Mounting Screw	VR412 2 1/2" Stainless VR413 3 1/8" Stainless VR414 4" Stainless VR416 6" Stainless VR424 4" Steel		

Sales Supplies



Steel Post Display VR470



Sample Chain VR476

Powder Coat Sample VR481

Caring for Stainless Steel

Cleaning and sealing your stainless steel Viewrail system after installation is the best investment you can make into the lasting beauty of this elegant railing.

If the work site is still active after your system is installed, rinse stainless steel thoroughly with soapy water to remove any surface contaminants. (A pressure washer is great for this task!) Once thoroughly rinsed, cover your system, if possible, until all work on the site is complete. The goal is to protect the stainless steel from any airborne iron particles or harsh chemicals that can cause discoloration, especially chlorine-based cleaners or acids.

Once all work on the site is complete, uncover your system and give it another healthy rinsing.

See viewrail.com/stainlesscare for more information.

Code Compliance & Warranty

Code Compliance for 4" Sphere

Meeting the 4" sphere rule means that cables should be spaced on the standard spacing provided in the viewrail posts. The standard spacing is 3 1/8" on center, which allows a reasonable amount of deflection of the cable when the posts are spaced no more than 4' apart. When laying out a deck or balcony it is tempting to space posts farther than 4' apart, however the deflection of the cable increases dramatically and it cannot be overcome with increased tension. To conform to the 4" sphere rule, do not place posts more than 4' apart and do not space cables more than 3 1/8" apart. Often posts are placed adjacent to each other for a dual corner. When placing two posts in a corner, be sure to place them no more than 4" from each other.

Be sure to check with your local code official about your railing installation before placing your order. Codes are frequently interpreted differently by local code inspectors.

Viewrail Stainless Steel Cable and Fittings 10 Year Warranty

Viewrail warrants that all Viewrail stainless steel cable and fittings shall be free from defects in material and workmanship under normal use, conditions, installation and maintenance in accordance with product specifications for ten (10) years from date of purchase.

Warranty Information for Posts

Viewrail warrants that all Viewrail posts shall be free from defects in material and workmanship under normal use, conditions, installation and maintenance in accordance with product specifications for ten (10) years from date of purchase.

Warranty Information for Finishes

Viewrail warrants powder coat finishes as follows:

- Standard — 1 year for adhesion and color retention
- Fluoropolymer — 10 years for adhesion and color retention

Please visit viewrail.com/warranty for full details.



VIEWRAIL

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