

RAILEASY™

CABLE RAILING SYSTEM WITH PATENTED TENSIONER

bezdanraileasy.com

Sleek and Easy to Install

REASONS TO CHOOSE RAILEASY™

- Corrosion resistant stainless steel styled with marine inspired components offers unobstructed views
- Easy to install with professional results for the do-it-yourself enthusiast
- No special tools required for installation
- Easy care and low maintenance

RAILEASY™ CABLE RAILING BENEFITS

- Feature:** All components and cable are marine grade type 316 stainless steel, and swivel ends are factory electro-polished
- Benefit:** Easy care and low maintenance with durable and corrosion resistant characteristics suitable for outdoor applications
- Feature:** Mechanical swage fitting
- Benefit:** Cable is attached quickly and easily with simple hand tools
- Feature:** Patented rail tensioner base
- Benefit:** The swivel end is capable of accommodating angles to 45° making it perfect for angles and stair applications



Patented Base Detail

Each base is slotted to allow tensioner to achieve angles up to 45° on stair rails and angled sections.



Figure 2

The RailEasy™ Rail Tensioner Components with Patented Base



Illustration 1

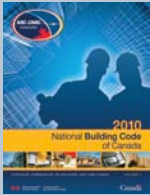
Rail Tensioner Components

1. Patented base
2. Tensioner body
3. Lock nut
4. Threaded stud
5. Spacer
6. Wedge
7. Receiver cone

Specifications

- All components and cable are marine grade type 316L stainless steel
- 5/32" diameter cable with 1x19 construction

Building Code Information



This product information is not intended for use as a recommendation for using or installing cable rail. It is the customer's responsibility to ensure compliance with local, provincial or national building codes. Always consult with your local building department before starting your project. Information about the 2010 National Building Code can be found in "Resources" or at bezdanraileasy.com.

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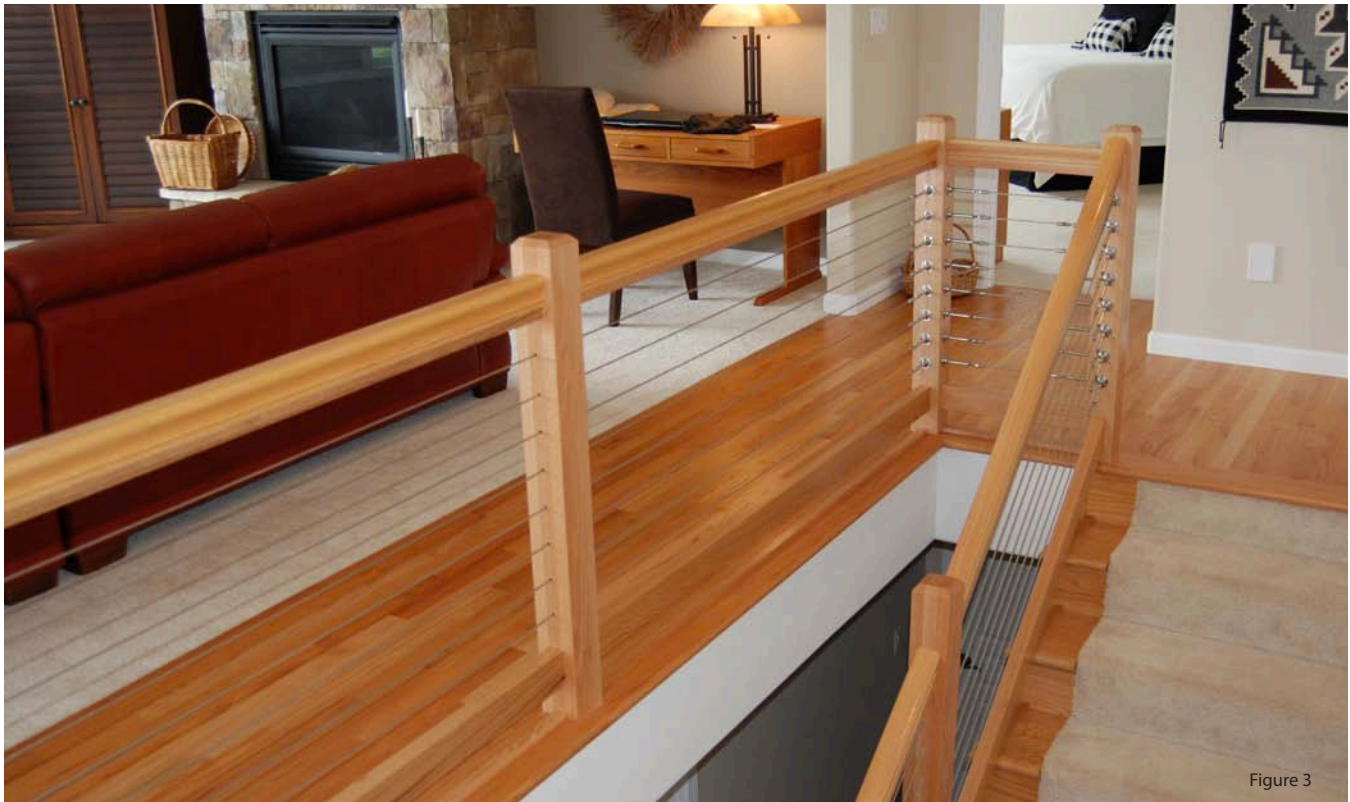
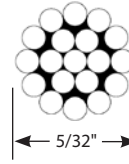


Figure 3

Surface Mount Installation Components

STAINLESS STEEL CABLE 1X19

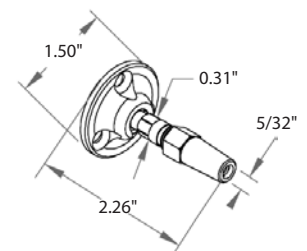
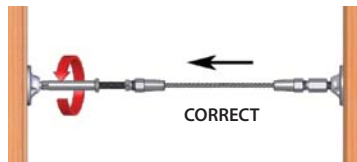
The 1x19 construction is made up of 19 individual stainless steel wires twisted together to form a single cable.



Part #	Description	Alloy	Unit	Weight	
				INDOOR	OUTDOOR
C0978-4025	1x19 cable	316L	25' spool	1.44 lbs. per spool	
C0978-4100	1x19 cable	316L	100' spool	6.84 lbs. per spool	
C0978-4500	1x19 cable	316L	500' spool	32.62 lbs. per spool	

RAILEASY™ SWIVEL END - FLAT BASE (NON-TENSIONING)

Designed for short runs and must always be used with a tensioner at the opposite end of a cable run. Not recommended for use with cable runs over 25' in total length.

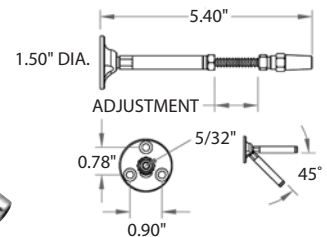


Uses #8 stainless steel screws (supplied)

Part #	Description	Alloy	Unit	Weight	
				INDOOR	OUTDOOR
C0981-S024	Swivel end-flat	316L	2 per pack	0.31 lbs. ea	
C0981-S104	Swivel end-flat	316L	10 per pack	1.41 lbs. ea	

RAILEASY™ TENSIONER - FLAT BASE

The patented tensioner can be used for virtually all cable rail applications. The tensioner allows for angles up to 45° and is used at either end of the cable. The flat base can be fixed on any level surface at any orientation and stays fixed while allowing the body to rotate during tensioning of cable.



US Patent # US 7,198,253

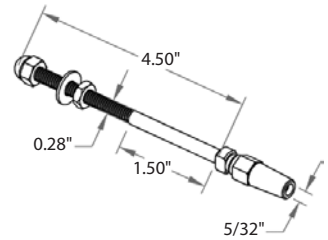
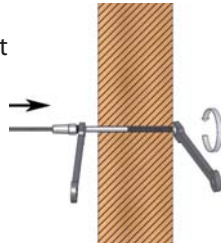
Uses #8 stainless steel screws (supplied)

Part #	Description	Alloy	Unit	Weight	
				INDOOR	OUTDOOR
C0981-0204	Tensioner-flat	316L	2 per pack	0.42 lbs. ea	
C0981-1004	Tensioner-flat	316L	10 per pack	1.96 lbs. ea	

Non-Surface Mount Installation Components

RAILEASY™ STUD ASSEMBLY (TENSIONING)

Use where a through-post look is desired. Assembly is used on straight and angled runs by drilling through the post and fixing it to the back side. Tighten locking nut to tension and cut off excess thread to fit acorn nut. Use a RailEasy™ lag stud for wood posts or a RailEasy™ stud for metal posts at the opposite end.



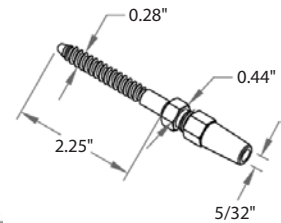
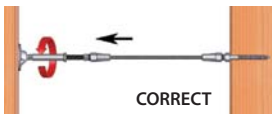
30° wedge sold separately, see page 6.

Part #	Description	Alloy	Unit	Weight	
				INDOOR	OUTDOOR
S0980-0004	Stud assembly	316L	Each	0.12 lbs. ea	

Compatible with Spectrum posts. See page 8 for details.

RAILEASY™ LAG STUD (NON-TENSIONING)

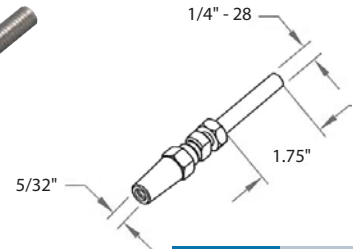
The RailEasy™ lag stud (for wood posts) is designed for use in short runs to a maximum of 16' and must always be used with a RailEasy™ tensioner at the opposite end of the cable run. These fittings are available with a right hand (R) and a left hand (L) thread. The compression fittings affix to the cable using simple hand tools.



Part #	Description	Alloy	Unit	Weight	
				INDOOR	OUTDOOR
S0980-L004	Lag stud	316L	Each	0.08 lbs. ea	
S0980-R004	Lag stud	316L	Each	0.08 lbs. ea	

RAILEASY™ STUD (NON-TENSIONING)

When installing cable on metal posts, use the RailEasy™ stud as the non-tensioning end. For a finished look to the exposed end, add the acorn nut set (sold separately, see page 6).



Part #	Description	Alloy	Unit	Weight	
				INDOOR	OUTDOOR
◆ S0980-0003	Stud	316L	Each	0.07 lbs. ea	

Products marked with a ◆ are available on special order. Contact your Sales Representative for more information. Compatible with Spectrum Posts. See page 8 for details.

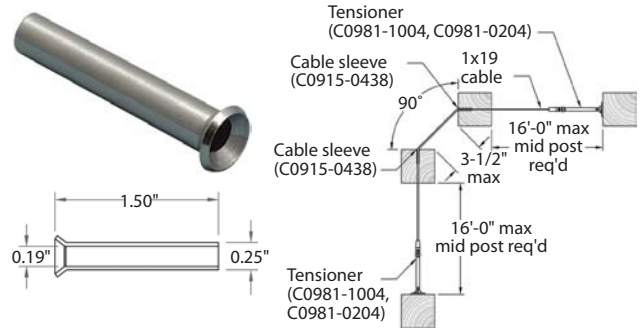
Accessories

RAILEASY™ CABLE SLEEVE

The RailEasy™ cable sleeve is designed to protect wood posts from chafing and incidental damage from cables rubbing around the outside of mid post cable holes. The cable sleeve can also be used to accommodate angles up to 90° and stairways coming off a straight run (see illustration on right).



To install, drill a 1/4" hole and tap in the cable sleeve for a snug fit.



Part #	Description	Unit	INDOOR	OUTDOOR
			Weight	
C0915-0438	Sleeve	10 per pack	0.09 lbs. per pack	

30° WEDGE

Use the 30° wedge with the RailEasy™ stud assembly to achieve angled cable runs on stairs. Affix the acorn nut set to the end of the threaded stud for a finished look.

Acorn nut set sold separately, see below.

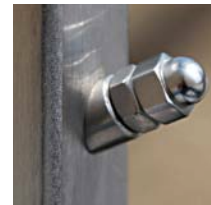


Photo shows the acorn nut set used with 30° wedge.

Part #	Description	Unit	INDOOR	OUTDOOR
			Weight	
S0980-0004-W	30° wedge	Each	0.01 lbs. ea	

ACORN NUT SET

Create a finished look to the exposed end of the RailEasy™ stud shown on page 5.



Part #	Description	Unit	INDOOR	OUTDOOR
			Weight	
◆ S0308-UF07-R	Right hand	Set	0.02 lbs. ea	
◆ S0308-UF07-L	Left hand	Set	0.02 lbs. ea	

Products marked with a ◆ are available on special order. Contact your Sales Representative for more information.

RAILEASY™ HEAVY DUTY CABLE CUTTER

Hardened heat treated blades cut 5/32" cable cleanly and quickly for an easy installation.



Part #	Description	Unit	Weight
S0989-00HD	Cable cutter	Each	0.75 lbs.

Accessories

CABLE STABILIZER KIT

For use where post to post measurement spans over 5'. Adapts longer spans by stabilizing the deflection of cable between post.

Each kit comes with a 42" stanchion pre-drilled to work with our standard 3" spacing. In most cases, the stanchion must be field cut at both ends for an accurate fit into your system.

The cable stabilizer kit cannot be used to replace the use of substantial mid post and should never be used in spans over 8'.



INDOOR OUTDOOR

Part #	Description	Material	Unit	Weight
◆ S0950-0060	Cable stabilizer	Polished stainless steel, alloy 316L	Each	2.90 lbs.

Products marked with a ◆ are available on special order. Contact your Sales Representative for more information.

DRILLING TEMPLATE (ALUMINUM)

Drilling template hole pattern designed specifically for mounting tensioners on end/corner posts and for drilling "through-holes" in line posts. Cable runs are spaced 3" on-centre for either a 36" or 42" railing system.



Part #	Description	Unit	Weight
C0988-1000	Template	Each	0.63 lbs.

INSTALLATION KIT

Includes:

- 5/16", 3/8" and 7/16" open wrenches
- 7/32" and 1/8" drill bits
- #2 stainless steel Phillips head driver bit



Part #	Description	Unit	Weight
C0988-0000	6-piece kit	Set	0.41 lbs.

Installation Instructions

An installation video is available at bezdanraileasy.com.

“The installation was EASY anyone can do it! It looks great!”

Dan

NEW! Spectrum Post System**FASCIA MOUNT POST KITS**

A cost-effective, easy-to-install post system for decks. Spectrum universal posts are suitable for corner, end and intermediate post applications where RailEasy™ non-surface mount components are used (see page 5).



Illustration 2: Spectrum Post System Installed

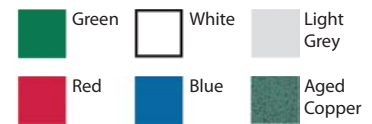
Posts are supplied in alloy 316L stainless steel and measure 1-1/2" square x 11 gauge (1/8"). Posts are pre-drilled with 3 holes spaced at less than 3" on center for fascia mounting (supplied with 3 lag screw fasteners). Top mounting plate with screws are included with each post. Customer supplies flat bottomed handrail.

Kit Colors

Spectrum post kits come in two standard colors.



◆ Six custom colors are available.



Contact your Sales Representative for more information.

Top Mounting Plate Assembly

Each plate is precision machined with matching hole patterns for easy installation to posts and handrails. A stainless steel plate is fastened to the post and wood screws are then drilled up into the top rail.

SPECTRUM POST KITS, STRAIGHT RUNS

Part #	Kit Description	Color	Weight	
			INDOOR	OUTDOOR
◆ S0904-BK36	36" straight post kit	Black	7.40 lbs.	ea
◆ S0904-CL36	36" straight post kit	Clear	7.40 lbs.	ea
◆ S0904-BK42	42" straight post kit	Black	8.50 lbs.	ea
◆ S0904-CL42	42" straight post kit	Clear	8.50 lbs.	ea

Products marked with a ◆ are available on special order. Contact your Sales Representative for more information.

SPECTRUM POST KITS, STAIR RUNS

Part #	Kit Description	Color	Weight	
			INDOOR	OUTDOOR
◆ S0904-BK36-ST	36" stair post kit	Black	7.40 lbs.	ea
◆ S0904-CL36-ST	36" stair post kit	Clear	7.40 lbs.	ea

Products marked with a ◆ are available on special order. Contact your Sales Representative for more information.



36" Kit:

- Square tube post with top mounting plate for level applications
- 12 pre-drilled holes for cable

42" Kit:

- Square tube post with top mounting plate for level applications
- 14 pre-drilled holes for cable



36" Kit:

- Square tube post with top mounting plate for 36° angles
- 11 pre-drilled holes for cable

Spectrum Post System

Accessories

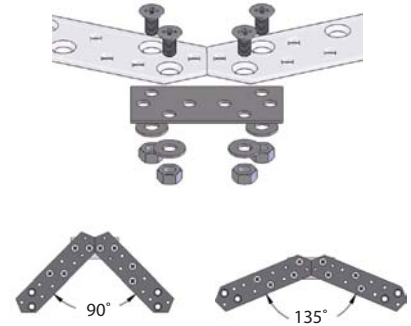
CORNER MENDING PLATE SET

This set is used to join top mounting plate assemblies on corner posts. The hole patterns match those of the mounting plate and attach using the 1/4" screws and nuts.

The mounting plate features angled ends which allow installers to meet 90° or 135° angles at corners. Corners require double posts.

Part #	Description	Unit	Weight	INDOOR	OUTDOOR
◆ S0904-0051	Stainless Steel	Set	0.13 lbs.		

Products marked with a ◆ are available on special order. Contact your Sales Representative for more information.



LAG SCREWS, STAINLESS STEEL

Replacement or additional stainless lag screws (5/16" x 4-1/2") for fascia mounting.

Part #	Description	Unit	Weight	INDOOR	OUTDOOR
◆ S0335-08100	Stainless Steel	Each	0.08 lbs.		

Products marked with a ◆ are available on special order. Contact your Sales Representative for more information.



Figure 4



The Care Kit Bundle

For more information on stainless steel care and maintenance, see "Resources" or visit bezdanraileasy.com.



Installation Guide

You will require only a few parts and simple hand tool to complete a beautiful RailEasy™ cable railing installation.

END POSTS AND CORNER POSTS

A key factor in any successful deck rail application is always the attachment of the post to the decking. Substantial end and corner posts are necessary to prevent the posts from bending under the cable tension. If post material is not strong enough to withstand tension, it may cause the post to bow and the cables to sag.

For wood, a minimum 4 x 4 (3-1/2" square) end post is required.

For stainless steel, the posts should be a minimum 1-1/2"sq. x 1/8" wall.

CABLE SPACING

RailEasy™ standard cable spacing is 3" on centre running the length of each post. Cable railing requires mid post support every 4' to 5' to maintain cable with minimum deflection. For each foot over 4' that you run cable between posts you must move your cable 1/4" closer together or use a cable stabilizer. If you wish to maintain a 3" spacing for cable sections that span over 5' use a cable stabilizer kit made from 1" stainless steel tubing. We suggest you never run cable spans over 6' between post and at 6' your cable spacing should be no more than 2-1/2".

ADDING THE RAILS

A top rail is always necessary when building a railing with cable railing infill. The top rail should always be installed in a way that allows the top rail to absorb and deflect the pressure applied when cable is tensioned. It is a best practice to secure top rails between the post rather than simply placing the rail on top of the post. The addition of bottom rails will provide more support to any railing system and will allow for a foot rest when leaning on the railing.

CUTTING YOUR CABLE

A full installation video is available at bezdanraileasy.com.

TENSIONING A CABLE RAILING

Following the recommended tensioning sequence will ensure proper installation and achieve optimal results.

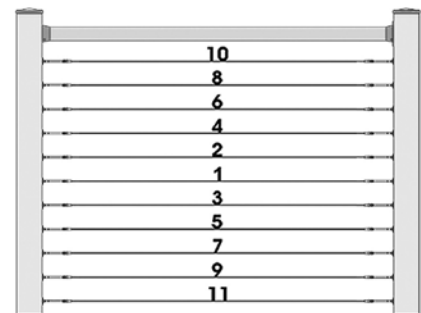


Illustration 3: Tensioning Sequence Guide

COMPLETING YOUR PROJECT

You may need to tension your cables a second time depending on what type of railing material and design you used. Once you have your cable tensioned to the desired tightness you should clean all components with a chloride-free cleanser (car wash liquid is perfect) and if near salt water you should use a passivating fluid (please call us for product recommendations). Passivating fluid does an excellent job of removing any potential iron deposits left from tools during installation. If using passivation fluid, it is very important to thoroughly wash surfaces with fresh water as a follow up.

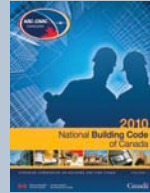
After you have cleaned everything it is recommended that you put a small dab of silicone around the tip of the tensioner cone to seal the cone and interior wedge. This is a preventative measure to prevent water (particularly salt water) from entering the tensioner cone and causing potential problems years later. You will not see the silicone after application.

Technical Information

Stainless Steel Care and Maintenance Guide

Detailed stainless steel care and maintenance guide available in “Resources” and at bezdanraileasy.com.

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Figure 6