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# **Summary of Cable Fittings**

This booklet is designed to give you a better understanding of our product line, why there are so many different components, and the application they're designed for, all at a glance. For more detailed information on each of the components themselves, please refer to our web site or our *Architectural Cable Railing Products* catalog in hard copy. If you have a smart phone, please scan the QR code listed with the component to go straight to the website description of that part.

Each component listed is unique from every other component. They are divided into four groups: swaged tensioning and non-tensioning fittings, and swageless tensioning and non-tensioning fittings.

## Tensioning and non-tensioning fittings

Cables must be tensioned, so there needs to be a tensioner on at least one end of each cable. On many cable runs, a tensioner can be used on one end and a non-tensioner fitting can be used on the other end. Non-tensioning devices are generally less expensive than tensioners.

## Swaged vs. swageless fittings

Swaging is a term used for attaching fittings to cables. Swaged and swageless fittings can be used together on the same cable, as long as one end has a tensioning device.

Swaged Fittings. Generally less expensive than swageless fittings, swaged fittings require special equipment to swage the fittings onto the cables. On larger jobs, the savings in using swaged fittings may more than offset the cost of renting or purchasing the swaging equipment or having the fittings swaged onto the cables by a distributor or the factory.

Swageless Fittings. Generally more expensive than swaged fittings, swageless fittings offer the convenience of installation of the fittings onto the cables by hand, without the need for special equipment.

## **Swaged Tensioning Fittings**

Invisiware® Receiver. Used in conjunction with Invisiware® swaging stud. Receiver fits into and can be concealed inside the end post. Can be used at an angle in conjunction with another Receiver (for any length Receivers) or with a Pull-Lock® fitting (for Receivers 2" or longer).

Adjust-A-Body® tensioners. Fitting styles that attach to end posts using tabs or lag eyes by threading into posts, lagging into wood, or anchoring into concrete.

Adjust-A-Jaw® Tensioner. Fitting attaches to a tab or lag eye on the outside of the end post (see Mounting Aids). Can be used on level runs or stairs.

## **Swaged Non-Tensioning Fittings**

*Invisiware*® *Radius Ferrule*. Fits into end post. Complements Invisiware® Receiver (above) on other end of cable.

*Invisiware*® *Stud*. The same fitting that threads into a Receiver can be used as a non-tensioning fitting.

Ultra-tec® Fixed Jaw. Fitting attaches to a tab or lag eye on the outside of the end post (see Mounting Aids). Complements Adjust-A-Jaw® tensioner (above) on other end of cable. Can be used on level runs or stairs.

## **Swageless Tensioning Fittings**

Receiver with Push-Lock® stud. Invisiware® Receiver used with a swageless Push-Lock® stud instead of a swaging stud.

*Push-Lock® Tensioners.* Four varieties to match up with whatever end post need you have: lag in, thread in, or hinge for stairs.

*Push-Lock® Turnbuckles.* Six styles for a variety of end posts: lag in, thread in, hinge for stairs, or anchor into concrete.

## **Swageless Non-Tensioning Fittings**

Push-Lock® Fittings. Seven varieties to match up with whatever end post need you have — hide inside the post, lag in, thread in, anchor into concrete, hinge for stairs, or connect to a Receiver.

*Pull-Lock*® *Fitting*. For level runs. Fits into and can be concealed inside the end post.

Front cover photo courtesy of Sierra Homes



# Cable Fittings for Pedestrian Cable Railings

**Material:** All products are made entirely of stainless steel components, most of them Type 316.

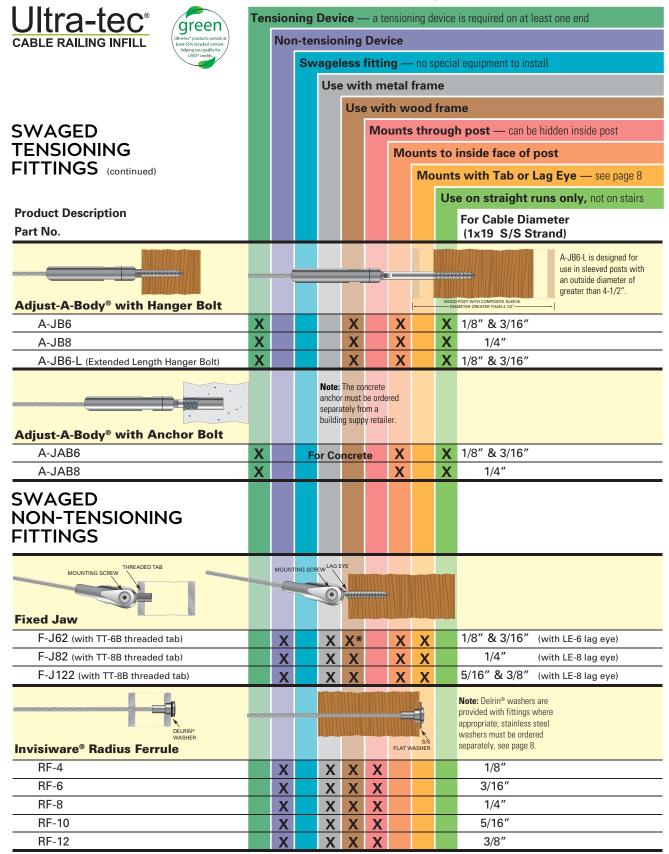
**Applicable Standards:** ASTM A276 – Stainless Steel Bars and Shapes, unless otherwise noted.

**Availability:** Supplied from manufacturer's stock or from stocking distributors.

**Uses:** Cable fittings, including tensioning and non-tensioning devices for use in pedestrian cable railings. Can also be used in trellis applications. Fittings are not designed for lifting and will not hold to the breaking strength of the cable. Maximum load should not exceed 700 pounds.

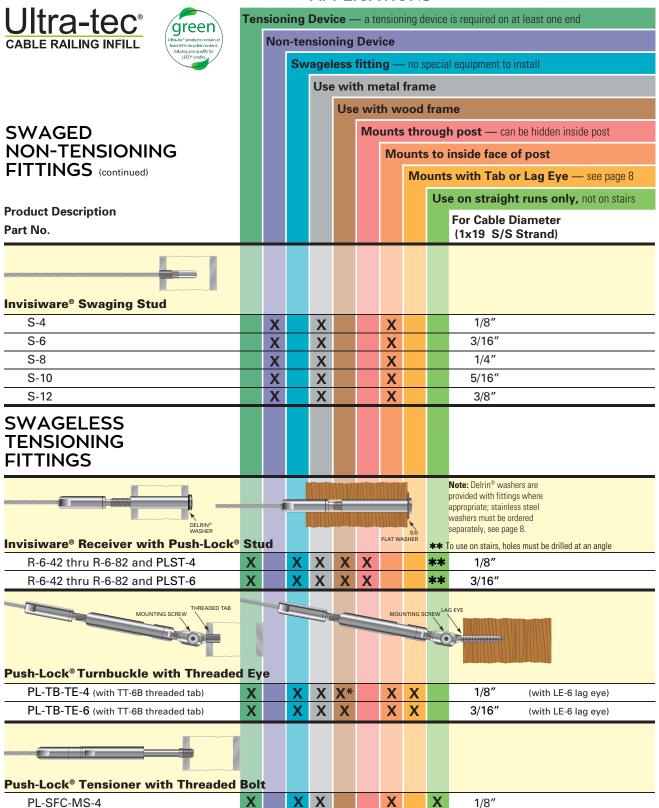
#### **APPLICATIONS** Ultra-tec® **Tensioning Device** — a tensioning device is required on at least one end **Non-tensioning Device Swageless fitting** — no special equipment to install Use with metal frame Use with wood frame **SWAGED** Mounts through post — can be hidden inside post **TENSIONING** Mounts to inside face of post FITTINGS Mounts with Tab or Lag Eye — see page 8 Use on straight runs only, not on stairs **Product Description** For Cable Diameter Part No. (1x19 S/S Strand) Note: Delrin® washers are provided with fittings where appropriate: stainless steel washers must be ordered separately, see page 8. Invisiware® Receiver FLAT WASHER R-6-12 through R-6-82 1/8" & 3/16" R-8-22 through R-8-52 X X 1/4" 5/16" & 3/8" R-12-32 through R-12-52 Adjust-A-Jaw® X A-J62 (with TT-6B threaded tab) 1/8" & 3/16" (with LE-6 lag eye) X X X 1/4" A-J82 (with TT-8B threaded tab) (with LE-8 lag eye) X A-J122 (with TT-8B threaded tab) X 5/16" & 3/8" (with LE-8 lag eye) Adjust-A-Body® with Threaded Eye A-JTE6 (with TT-6B threaded tab) X **X X**\* XX 1/8" & 3/16" (with LE-6 lag eye) X X A-JTE8 (with TT-8B threaded tab) 1/4" (with LE-8 lag eye) Adjust-A-Body® with Threaded Bolt X X 1/8" & 3/16" A-JTB6 X X X X A-JTB8 1/4" X 5/16" & 3/8" A-JTB12

<sup>\*</sup>For sleeved posts with an outside diameter of greater than 4-1/2", use the Extended Length Lag Eye, see page 8.

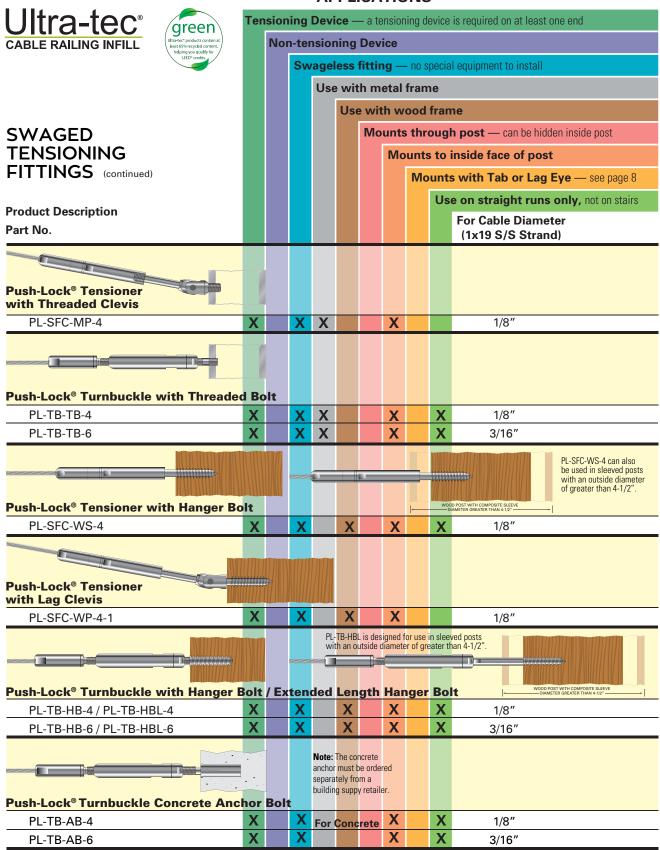


<sup>\*</sup>For sleeved posts with an outside diameter of greater than 4-1/2", use the Extended Length Lag Eye, see page 8.

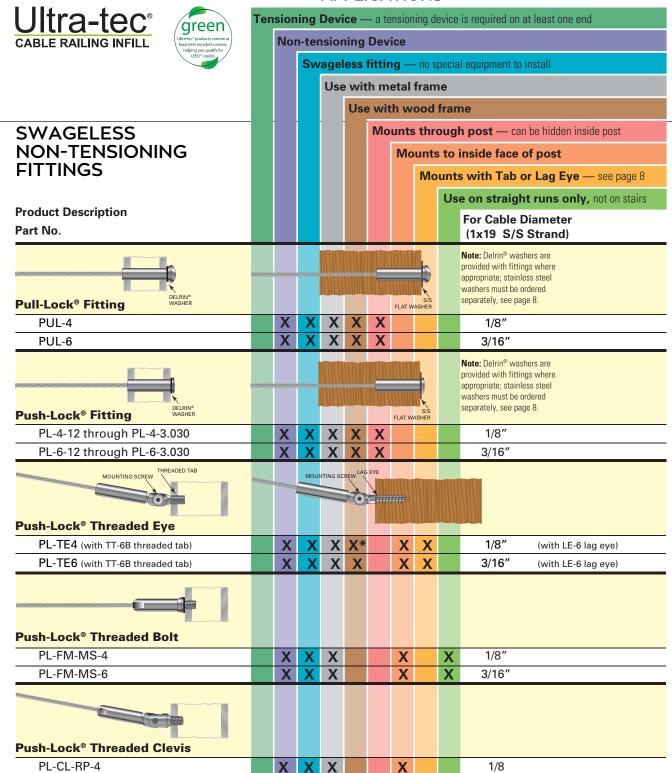




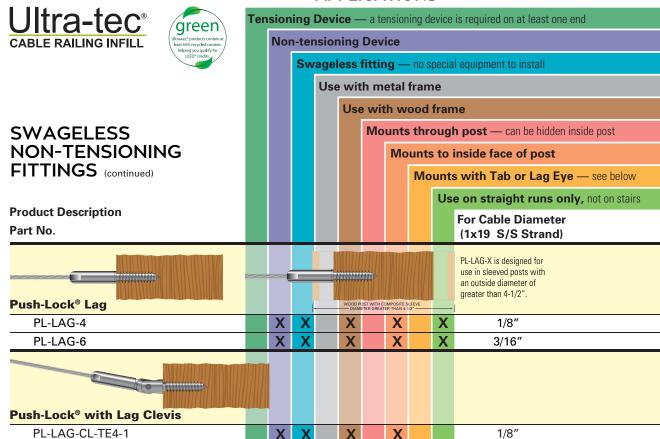
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## Mounting Aids for Cable Fittings for Cable Railings

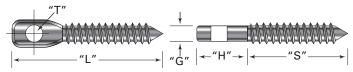
**Material:** All products shown are Type 316 stainless steel, unless otherwise noted. **Availability:** Supplied from manufacturer's stock or from stocking distributors.

### 7/16SAE Stainless Steel Washer

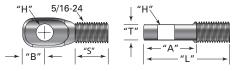
TYPE 316 STAINLESS STEEL							
PART NO.	WASHER O.D.	WASHER I.D.	USED WITH HARDWARE FOR CABLE DIAMETERS				
7/16SAE	59/64"	31/64"	1/8" and 3/16"				



## Lag Eye and Extended Length Lag Eye



### Invisiware® Threaded Tab



#### **TYPE 316 STAINLESS STEEL**

CABLE DIA.	PART NO.	"H"	"S"	"T"	"A"	"B"	"L"
1/8", 3/16"	TT-6B	.256"	.500"	.232"	.780"	.330"	1.30"
1/4", 5/16", 3/8"	TT-8B	.393"	.375"	.290"	1.100"	.410"	1.66"

## **Mounting Screw**

TYPE 316 STAINLESS STEEL

TITE STO STAINLESS STEEL							
CABLE DIA.	PART NO.	THREAD					
1/8", 3/16"	SC-6	1/4-28					
1/4", 5/16", 3/8"	SC-8	3/8-24					



#### TYPE 316 STAINLESS STEEL

THE GIO GIANTEEGG GIEEE								
CABLE DIA.	PART NO.	"G"	"H"	"T"	"S"	"L"	MIN. NOMINAL TIMBER SIZE	
1/8"	LE-6	.232″	.735″	.256"	1.50"	2.23"	4x4	
3/16"	LE-6							
1/4"								
5/16"	LE-8	.290"	1.20"	.393″	2.00"	3.55"	4x4	
3/8"								

## Extended Length Lag Eyes with 3-inch Thread TYPE 316 STAINLESS STEEL

CABLE DIA.	PART NO.	"G"	"H"	"T"	"S"	"L"	MIN. NOMINAL TIMBER SIZE
1/8"	LE-6L	.232"	.780"	.256"	3.00"	3.94"	4x4
3/16"		.232	.760	.250	3.00	3.54	484

