CUSTOMER SERVICE CONTACT INFO

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LOW PROFILE BUTTON ASSEMBLY INSTRUCTIONS

Choose **STAINLESS CABLE & RAILING™** for all your fittings and cablerail assemblies!

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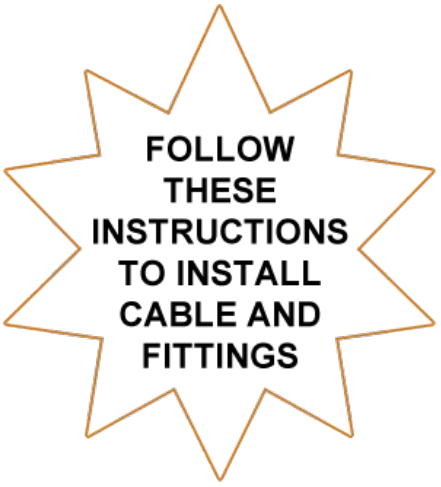
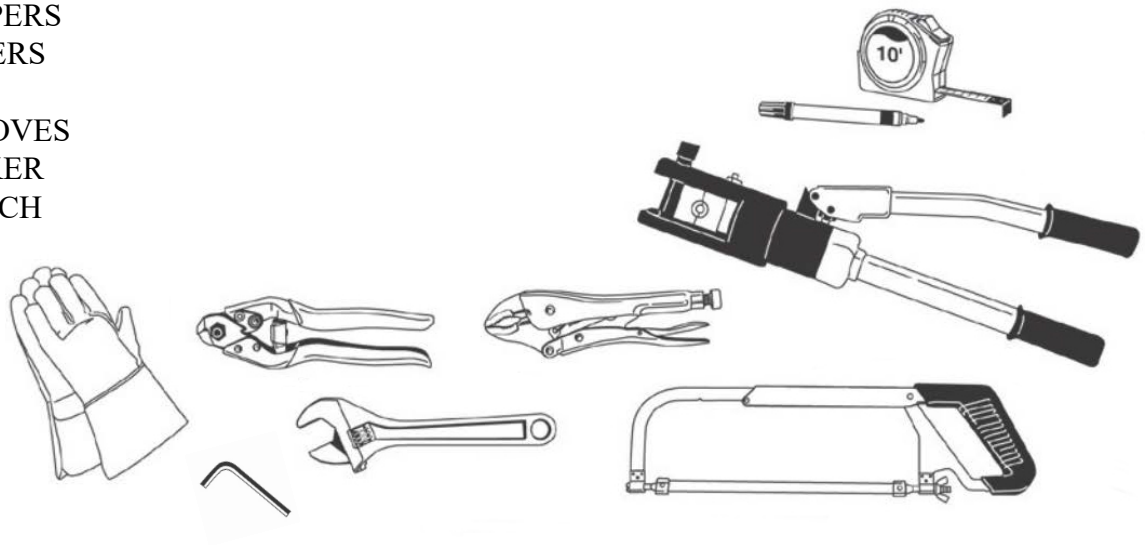


Just follow these simple steps:

1. NECESSARY TOOLS

1. MEASURING TAPE
2. CABLE CRIMPERS
3. CABLE CUTTERS
4. VICE-GRIP ™
5. LEATHER GLOVES
6. BLACK MARKER
7. ALLEN WRENCH
8. WRENCH



2. LAYOUT

Determine where the cable will start and stop (ie; Sections). Reference the color-coded layout sheet (Fig 1) if it was included with these instructions.

SC&R Stainless Cable & Railing — Cable Railing Layout

Customer Name: _____ Date: _____

CABLE RUN	Cable Length(FT)	Cable Length(IN)	# Cable Runs	Total Cable	SM Tensioner	SM Toggle End
A	5		10	50 FT 0 IN	10	10
B	13	6	10	135 FT 0 IN	10	10
C	9		10	90 FT 0 IN	10	10
D	13	6	2	27 FT 0 IN	10	2
E	21		8	168 FT 0 IN		8
F	4		8	32 FT 0 IN	8	8
G	3	8	2	7 FT 4 IN	10	2
H	8		8	64 FT 0 IN		8
I						
J						
K						
L						
M						
N						
O						
Required Overage Cable (IN)				206		
Total				591 FT 4 IN	58	58

Different colored lines represent separate cable runs.

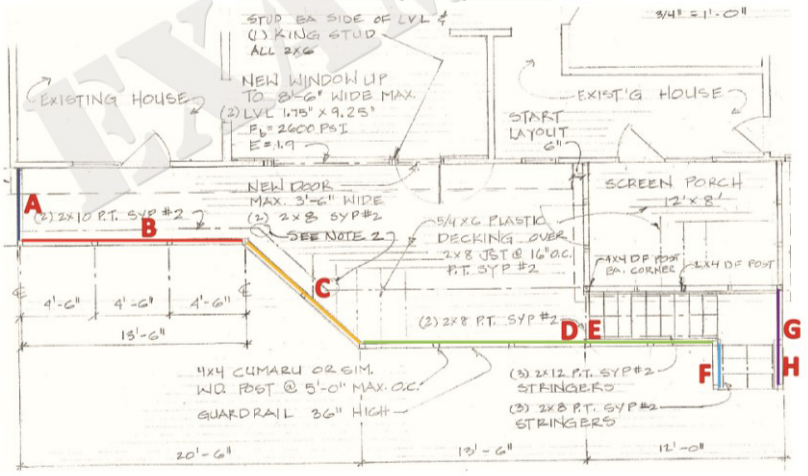
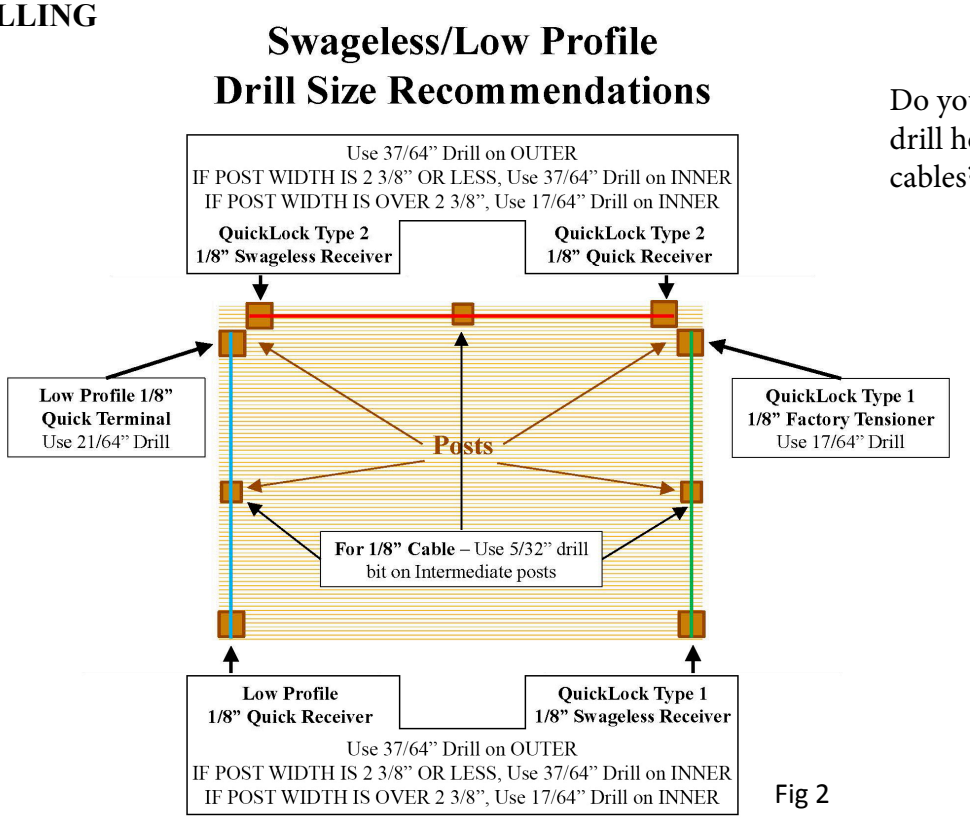


Fig 1

3. HOLE DRILLING



Do you need to drill holes for the cables? (Fig.2)

Fig 2

4. MEASURE/CUT CABLE ASSEMBLY

a) Doing only one section at a time, measure (Fig. 3) overall length from outside face of the beginning post (AKA terminal/end post) to the outside face of your ending post face.

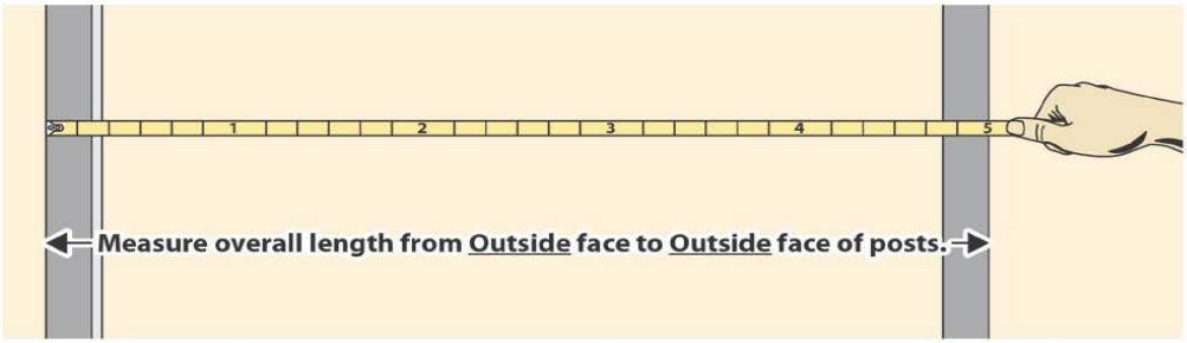


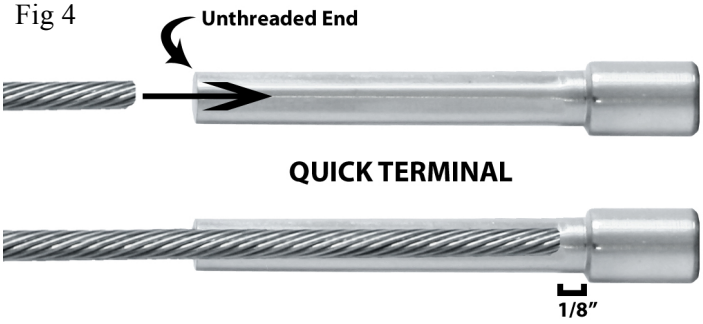
Fig 3

b) Using this measurement, unroll enough cable from the spool to complete one cable assembly. Add an extra 3" to make sure the cable is long enough and to make it easier to work with. Cut to this length using the recommended Cable Cutters or a Hand Grinder.

5. ATTACH THE QUICK TERMINAL FITTING

a) Feed the cable into the unthreaded end of the QUICK TERMINAL fitting. Make sure to stop the cable 1/8" from the end to prevent the cable from blocking the threads. (Fig. 4)

Fig 4



b) Use the cable crimping tool to swage the fitting onto the cable.

(SEE CRIMPING INSTRUCTIONS ON PAGE 5)

Fig 5

c) Feed the fitting through one of the predrilled holes on the post so the threaded end exits the other side. Attach the washer (if needed) and screw on the QUICK TERMINAL BOLT-HEX-BUTTON. (Fig. 5)

6. ATTACH THE QUICK RECEIVER FITTING

a) Starting at the Terminal Post where the QUICK TERMINAL is attached, feed the unswaged cable end through all posts along the cable run until you reach the ending Terminal Post.

b) Mark the exit point and deduct 1.5" from that measurement to get the "cut length" needed. Cut your cable to achieve that cut length. (Fig. 6-7)

c) Push the cable into the RECEIVER STUD until the cable comes to the threaded end of the fitting. (Fig 8)

d) Use the cable crimping tool to swage the fitting onto the cable.

(SEE CRIMPING INSTRUCTIONS ON PAGE 5)

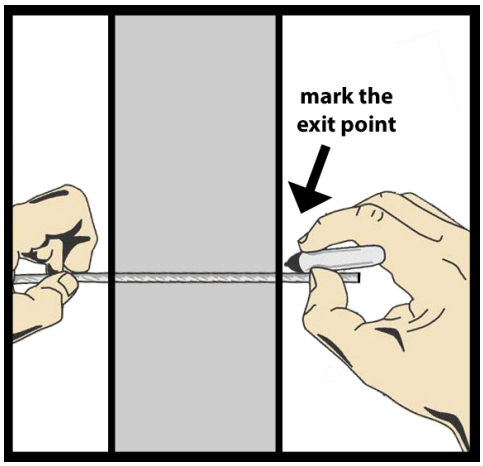


Fig 6

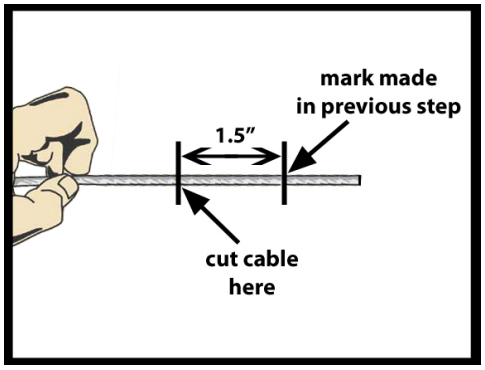


Fig 7

Fig 8

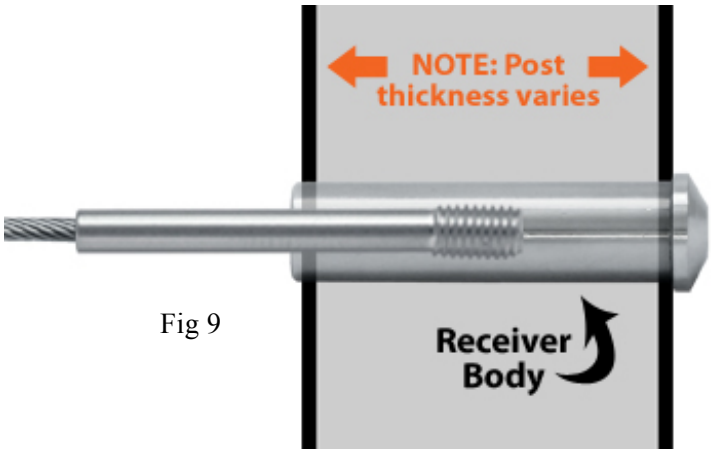


Fig 9

e) Apply a small amount of lubricant to the threads on the RECEIVER STUD.

f) Feed the RECEIVER STUD into the Terminal Post. It should only go halfway through the post. (Fig 9)

g) Place the RECEIVER BODY through the hole on the outer post face until it reaches the RECEIVER STUD. (Fig 9)

h) Hand tighten the RECEIVER BODY onto the RECEIVER STUD.

7. CRIMPING INSTRUCTIONS

a) Insert cable into fitting all the way
b) Using a black marker, mark the cable to provide a visual reference that the cable remains fully seated down inside the fitting and does not slip out (Fig. 10).

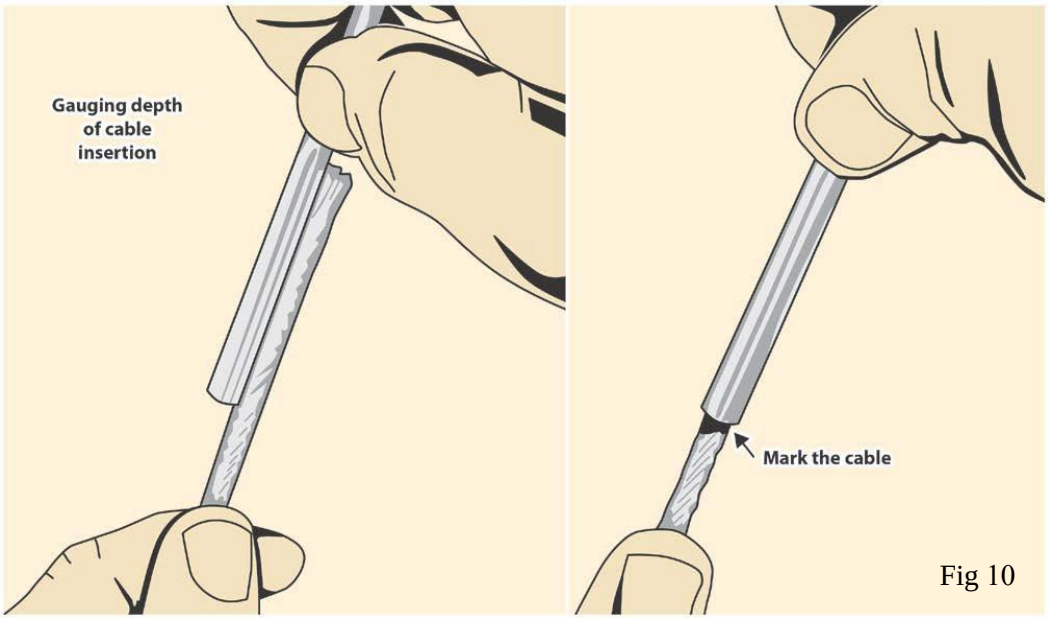


Fig 10

c) Turn the knob on the Cable Crimper counterclockwise to open the jaws (Fig 11). Position the jaws around the fitting, 1/8” from where the cable enters the fitting.

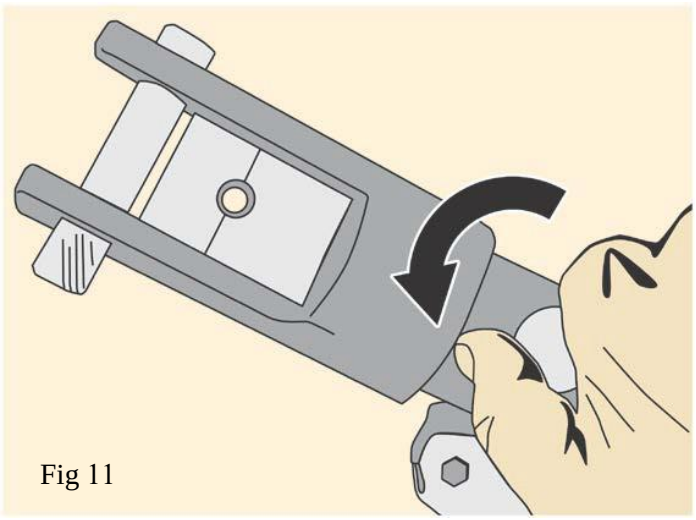


Fig 11

d) Turn knob clockwise and pump the handle consecutive times until the two die halves nearly touch. **WARNING:** Only firm handle pressure is needed to close the die halves. Applying excessive force to the tool will result in damage.
e) Reposition the dies 1/4" further along the fitting and rotate 45 degrees. Repeat the crimping process for a total of three crimps.
f) Spray and wipe down the crimped fittings using CitriSurf® Passivator (available through our website) and a clean cloth, to repassivate the stainless steel.

8. TENSION THE CABLES

Return to the **Starting Post** of your run to tension your cables.

Screw the Receiver Body back onto Quick Receiver Stud. Use a crescent wrench (or Vice Grips) with a piece of leather to protect the cable and to keep it from spinning. Grip the **QUICK RECEIVER STUD** and turn the **RECEIVER BODY** with 3/16" Hex Key (not included) until cable is taut. (Fig 12)

Start tightening the middle cable run first then tighten above and below this middle cable in an alternating sequence until all the wires have been tightened (Fig 13).

Most codes require that a 4" sphere must not be able to pass between the cables.

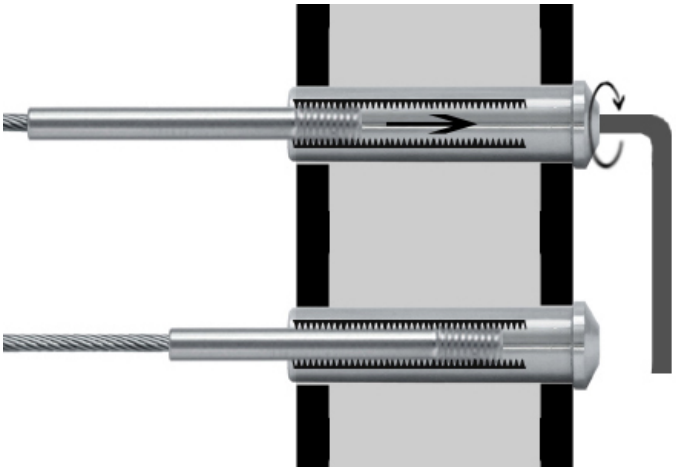


Fig 12

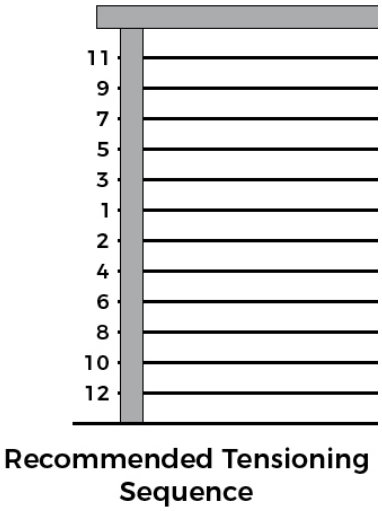
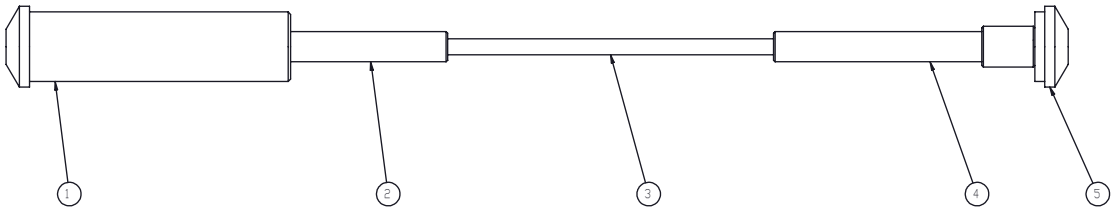
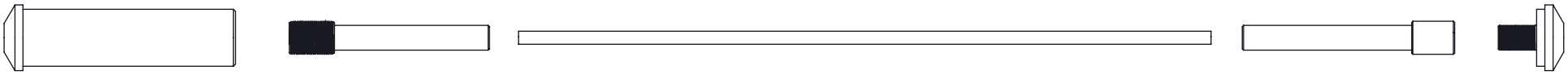


Fig 13

Spray and wipe down all cables and exposed end fittings with CitriSurf® Passivator to make sure all stainless steel is passivated and will properly resist corrosion. Then apply Rust Rescue to reinforce and prolong the passivation. Read the “Marine Grade Stainless Steel Maintenance and Cleaning Procedures” that follow for additional information and instructions.

ITEM NO.	PART NUMBER	QTY.
1	01-041-01	1
2	01-042-01	1
3	CABLE	1
4	01-041-01A	1
5	01-041-01B	1





SC&R Stainless Cable & Railing

NOTES: UNLESS OTHERWISE SPECIFIED

1. DIMENSIONS SHOWN - INCHES [MM].
2. MACHINED SURFACES TO BE 63uIN MAX.
4. PART TO BE FREE OF BURRS AND SHARP EDGES.
5. ALL MATERIAL TO BE CLEAN, DEGREASED AND FREE OF ALL IMPURITIES.
6. ANY CHANGE MUST BE AUTHORIZED BY AN SC&R ENGINEER.

DIMENSIONS ARE IN INCHES
FRACTIONAL ±
ANGULAR: MACH ±
TWO PLACE DECIMAL ±
THREE PLACE DECIMAL ±

MATERIAL

FINISH

DO NOT SCALE DRAWING

	NAME	DATE
DRAWN		
ENG APPR.		
MFG APPR.		

COMMENTS:

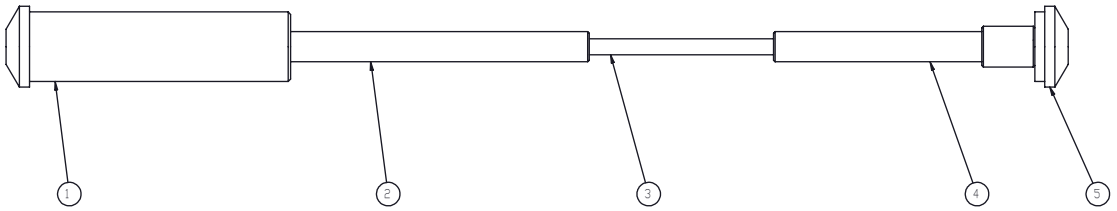
TITLE:

SWAGED WITH LOW PROFILE BUTTONS

SIZE	DWG. NO.	REV
A	SLPB-S	

SCALE: 1:3	WEIGHT:	SHEET 1 OF 1

ITEM NO.	PART NUMBER	QTY.
1	01-041-01	1
2	01-043-01	1
3	CABLE	1
4	01-041-01A	1
5	01-041-01B	1



SC&R Stainless Cable & Railing

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DIMENSIONS ARE IN INCHES
FRACTIONAL ±
ANGULAR: MACH ±
TWO PLACE DECIMAL ±
THREE PLACE DECIMAL ±

MATERIAL

FINISH

DO NOT SCALE DRAWING

	NAME	DATE
DRAWN		
ENG APPR.		
MFG APPR.		

COMMENTS:

TITLE:

SWAGED WITH LOW PROFILE BUTTONS

SIZE	DWG. NO.	REV
A	SLPB-L	

SCALE: 1:3	WEIGHT:	SHEET 1 OF 1

Marine Grade Stainless Steel Maintenance and Cleaning Procedures

Stainless Cable & Railing Inc. offers Marine-Grade Stainless Steel railing frames and cable infill that boast high resilience with little maintenance. The material is in and of itself corrosion resistant thanks to a thin “passive layer” of alloying elements that forms on the surface of stainless steel. While this protective layer is strong enough to withstand typical wear and tear, it's not impervious.

We want our customers to get the most out of their cable railing and encourage periodic maintenance to keep cable infill clean, beautiful, and strong for years to come. This is especially important for exterior applications, particularly those in harsh outdoor environments exposed to salt water, industrial pollutants, de-icing salt spray, atmospheric dirt, traffic film, etc.

Perform the following procedures to keep your railing clean and preserve your warranty. You can purchase the necessary supplies through our store individually or together in a kit. Make sure to read the “WARNINGS & TIPS” on the second page.

Initial / Periodic Cleaning:

Follow this procedure immediately after installing your railing.

1. Spray CitriSurf® onto your frames and/or cables and wipe down using a clean, soft cloth.
2. Once all stainless surfaces have been cleaned and passivated using the CitriSurf® prepare Rust Rescue 200 by shaking or stirring the mixture.
3. Using a clean, soft cloth, sprayer, brush, or roller, apply Rust Rescue to your stainless steel frame and/or cables. Wear gloves while handling Rust Rescue (during steps 3-4), as it can cause skin irritation for some people.
4. Wait 2-3 minutes, then wipe off excess.
5. Allow the remaining solution to dry completely. A hot air oven, hair dryer, or other drying medium may be used to accelerate this process.

Repeat this procedure on a regular basis as needed to keep your stainless steel bright and shiny. For coastal applications, we recommend this be done every 2-3 months or so, depending on necessity.

General Cleaning:

Remove finger prints and other marks generated from daily use as needed. Apply mild soap and water or glass cleaner to area using a clean cotton cloth or chamois. Rinse clean with water and dry completely.

Oil, Grease, and Residue Cleaning:

Remove oil, grease, or residue left from other cleaning materials (such as floor cleaner or polishing detergents) as soon as possible. Apply alcohol-based products (including methylated spirit and isopropyl alcohol) or other solvents (such as acetone) several times using a clean, non-scratching cotton cloth until all traces have been removed. Use Aluminum Oxide Scotch Brite if necessary. Rinse clean with water and dry completely.

Paint and Graffiti Cleaning:

Remove as needed using proprietary alkaline or solvent-based paint strippers. Apply chosen cleaning solvent several times with a clean, non-scratching cotton cloth until all traces of paint have been removed. Use Scotch Brite if necessary. Rinse clean with water and dry completely.

Salt Film and Environmental Deposit Cleaning:

Perform cleaning regularly in consideration of environmental conditions and the rate of deposit build up. Use a clean cotton cloth with CitriSurf® solution (available in our store) to remove contamination. Apply cleaner evenly across cables to avoid a patchy appearance. Rinse clean with water and dry completely. Follow up with the Rust Rescue application procedure detailed in "Initial / Periodic Cleaning" on the previous page. Use Aluminum Oxide Scotch Brite if necessary.

WARNINGS & TIPS

- Avoid use of the following products, as they will harm your cables:
  - Chloride-containing cleansers
  - Hypochlorite bleaches. Should accidental contact occur, rinse off immediately with copious amounts of fresh water.
  - Muriatic acid (commonly used to clean up tile/concrete installations)
  - Silver-cleaners
  - Scouring powders
  - Hard scrapers or knives
  - Non-stainless steel-based scouring pads, cleaning wool, or wire brushes
  - Any cleaning utensils that have been used on “ordinary” (carbon) steel, as this may result in iron particle “cross-contamination”

- Do not leave stainless cables or fittings in contact with steel, iron, or any other metals, as this will cause rusting due to free-iron transfer. If your frame is made of a material other than stainless steel, use protective grommets or sleeves (which can be found in our store) to keep the metals from coming into contact.

Please follow these procedures to get the most out of your stainless steel frames and cable infill by Stainless Cable & Railing Inc.

If you have any questions, call us any time at 1-888-686-7245.