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A guide for:

Continuum Surgery Tables

SHOR-LINE®

⚠WARNING This product is for animal use only. We do not condone this product for other uses.

⚠WARNING To reduce the risk of injury, the user must read and understand this guide before installation of this product.

{Save This Guide For Future Reference}

Introduction

We hope this guide answers any questions you might have in regards to use, care or installation. If you can't find the answers to your questions, have further questions or would like to purchase additional products, please contact us at 800.444.1579 or 913.281.1500. If in Europe phone +44 1446 77 20 41.

Consider keeping this guide in a safe and convenient place for future assistance.

IMPORTANT: DO NOT ATTEMPT TO DISASSEMBLE TABLE WITHOUT CONTACTING SHOR-LINE.

For your safety, please follow the instructions on these labels:

⚠**CAUTION** ⚠**WARNING**

⚠**WARNING** This product is for animal use only. We do not condone this product for other uses.

⚠**WARNING** To reduce the risk of injury, the user must read and understand this guide before installation of this product.

⚠**WARNING** **California Proposition 65 Warning**

This product can expose you to chemicals including nickel (metallic), which are known to the state of California to cause cancer. For more information go to: www.P65Warnings.ca.gov

{Shor-Line}

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⚠**CAUTION**
Your Surgery Table is heavy so precautions must be taken. Use two or more people when unpacking your shipment.

⚠**CAUTION**
Tables shipped during cold weather should be allowed to warm up to room temperature before operating foot pump.

{Contents}

• Continuum V-Top Hydraulic Surgery Table   Item # 903.4100.01

• Continuum Flat-Top Hydraulic Surgery Table   Item # 903.4000.04

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Section 1: Unpacking and Inspecting Shipment

{Unpacking and Inspecting Steps}

Step 1
Locate the Packing Slip that describes the parts and quantities shipped. Your Surgery Table should be carefully examined upon arrival for possible damage in shipment. If any damage is found, notify Shor-Line immediately.

Step 2
Review Section 10: Shor-Line's Warranty Information. For more information visit: **www.shor-line.com**

Step 3
Be sure that all parts are contained for your Surgery Table.
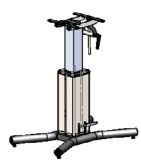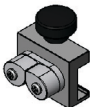
Step 4
Check content for concealed damage.

Call Shor-Line immediately so we can expedite replacements or repairs.

{Parts List}

CONTINUUM V-TOP SURGERY TABLE

QTY	PART	DESCRIPTION
1		V-Top Table Top (P/N 803.4100.03)
1		CONTINUUM HYDRAULIC BASE (P/N 803.4100.06)
4		STAINLESS STEEL FLAT WASHER (P/N 065.3700.07)
4		SPLIT LOCK WASHER (P/N 065.3700.01)
4		PLATED HEX NUT (P/N 064.3700.10)
4		SLIDE BLOCK WITH CAM CLEAT (P/N 803.0006.40)
4		NYLON WASHER (P/N 27610107)

CONTINUUM FLAT TOP SURGERY TABLE

QTY	PART	DESCRIPTION
1		FLAT TOP TABLE TOP (P/N 803.4000.01)
1		CONTINUUM HYDRAULIC BASE (P/N 803.4100.06)
4		STAINLESS STEEL FLAT WASHER (P/N 065.3700.07)
4		SPLIT LOCK WASHER (P/N 065.3700.01)
4		HEX HEAD PLATED BOLT (P/N 062.3707.00)
4		SLIDE BLOCK WITH CAM CLEAT (P/N 803.0006.40)

Continuum V-Top Surgery Table	Continuum Flat-Top Surgery Table
Maximum Lift: 250 lbs.	Maximum Lift: 250 lbs.
A two panel system that adjusts from horizontal to near vertical to hold the patient in the desired position during surgery.	One piece table top eliminates seams and sharp edges helping to promote a bacteria free environment.
Overall size of the table top is 19"W x 58"L.	Extra large 22"W x 60"L flat top.
Attachment rail system runs continually along the sides of the table.	Attachment rail system runs continually along the sides and ends of the table.
Two quick-release, cam cleat tie-down attachments are provided on each side of the attachment rail.	Four sliding, quick-release, cam cleat tie-down attachments are provided and can be tightened in any position on the attachment rail.
A 3½" stainless steel radiused trough permits fluid runoff into a drain outlet. The new V-Top design allows the tops to open to 270 degrees for easy access to the trough for removal of surgical waste.	Raised center permits fluid run-off into a perimeter trough and to a drain outlet.
Table can be lifted from 30½" to 41" via a hydraulic mechanism.	Table can be lifted from 30½" to 41" via a hydraulic mechanism.
Top has a tilt mechanism that allows the table to tilt 30 degrees with a locking mechanism that is infinite up to the 30 degrees.	Top has a tilt mechanism that allows the table to tilt 30 degrees with a locking mechanism that is infinite up to the 30 degrees.
Hydraulic mechanism foot pedal engages 4/5 for easy lifting and the bottom 1/5 for easy release.	Hydraulic mechanism foot pedal engages 4/5 for easy lifting and the bottom 1/5 for easy release.
Bottom Base measures 23½"W x 37"L.	Bottom Base measures 23½" W x 37"L.
The round tubular "X" base is designed with enough clearance for feet and other surgical tools that need to be in close proximity of the table.	The round tubular "X" base is designed with enough clearance for feet and other surgical tools that need to be in close proximity of the table.

ADDITIONAL OPTIONS:
- Vacu-Positioner Kits: 3 models available. The vacuum property of the pad holds your patients in position for surgery while minimizing heat loss, without sandbags, adhesive tape or bolsters.
- Utility and Instrument tables: 2 models available. Both tables have adjustable stainless steel tops and are intended to assist during surgeries by providing mobile access to surgical supplies.
- Thoracic Positioner: Intended for the flat top surgery tables to hold your patient in the desired position and allowing you to operate efficiently.
- Stat Mats/Surgery Table Pads: Models available for V-top and Flat top tables. Provides conductive warmth and comfort during short and long procedures.

NOTE: For questions regarding an additional purchase, dial 800.444.1579 or 913.281.1500.
If in Europe, dial +44 1446 77 20 41.

Section 2: Installation - Surgery Table Base

⚠**CAUTION** The Continuum Surgery Table is heavy. Precautions must be taken. Utilize two or more people when installing.

{Installation: Surgery Table Base}

Step 1
Place the base in desired location in the facility. The hydraulic jack allows for placement of the table to be anywhere as the unit has no cords and will not cause a tripping hazard.

In addition, the tubular "X" base is designed with enough clearance for feet and surgical tools that may need to be in close proximity of the table.

Fig. 2A

NON-ROTATIONAL
HYDRAULIC BASE

TILT MECHANISM

TABLE LOCKING HANDLE

PUMP RELEASE PEDAL

Adjusting Leveling Screws
Step 1
The base should be set on a level surface. Adjust leveling screws on bottom of base until the table sets level. Ensure the four adjustable leveling feet touch the floor to prevent wobbling. See Figure 2B.

IMPORTANT: Your surgery table must be level in order to function properly.

Fig. 2B

LEVELING SCREWS

BOTTOM
VIEW

LEVELING SCREWS

Section 3: Installation - V-Top Surgery Table Top

{Pre-Installation Check}

⚠**CAUTION** The Continuum Surgery Table is heavy. Precautions must be taken. Utilize two or more people when installing.
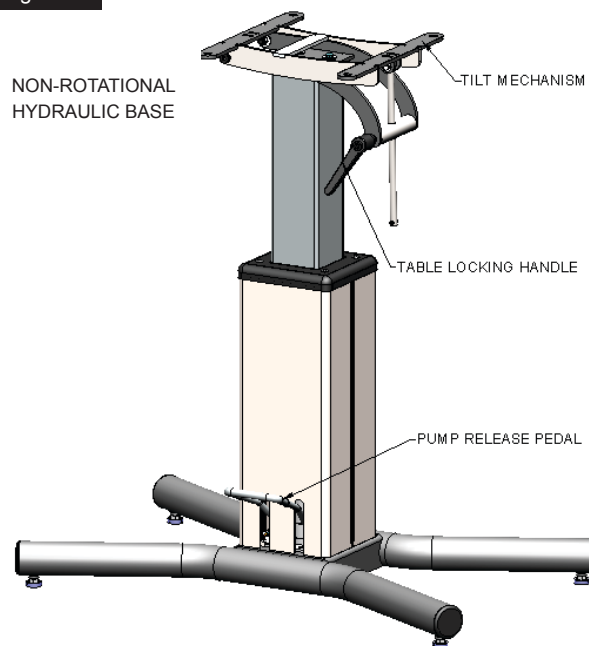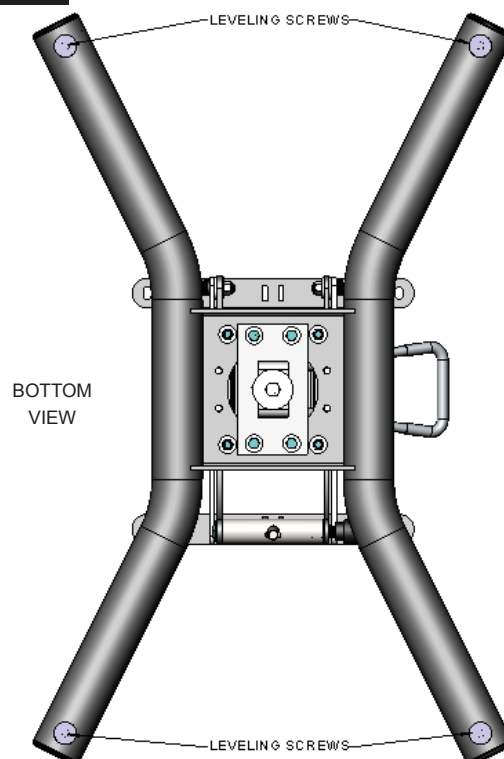
{Installation: V-Top Table Top}

EQUIPMENT/PARTS: The Continuum Surgery Table Top and Base are shipped in separate cartons and does require some assembly. Included in the table top shipping carton is a plastic bag containing 4 flat washers, 4 lock washers, 4 nylon washers and 4 hex nuts needed to mount the top to the base. In addition to the mounting hardware we have included 4 cam cleat assemblies.

TOOLS REQUIRED:
9/16 Socket or Crescent Wrench

Installing the V-Top Table Top

Step 1
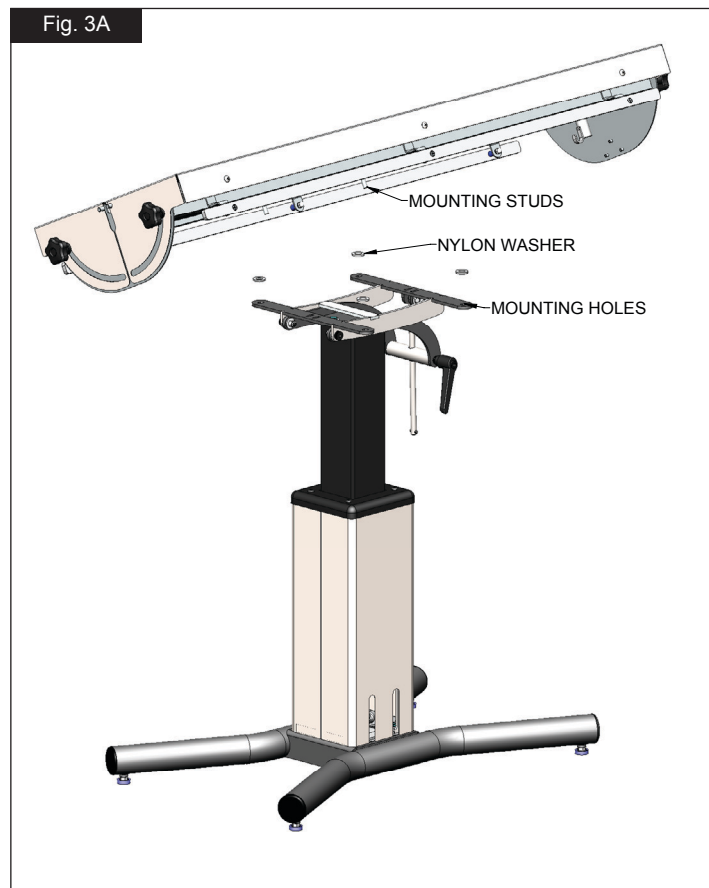Ensure the tilt mechanism is in the horizontal position and locked.

Step 2
Place a nylon washer on each of the four mounting studs.

Step 3
Place the table top on the tilt mechanism on the top of the base assembly, and align the four studs on the bottom of the table frame with the four holes in the tilt mechanism. See Fig. 3A.

Fig. 3A

MOUNTING STUDS

NYLON WASHER

MOUNTING HOLES

Step 4

Once the mounting studs with nylon washers have been placed in the mounting holes, the table top can be secured using the additional hardware. The hardware should be installed in the following order.
a). Flat washer placed over stud
b). Lock washer placed on top of flat washer
c). Hex Nut placed on top of lock washer

Fig. 3B

MOUNTING STUD - QTY = 4
NYLON WASHER - QTY = 4
FLAT WASHER - QTY = 4
LOCK WASHER - QTY = 4
HEX NUT - QTY = 4

Step 5

Tighten using the 9/16 socket or crescent wrench. See Fig. 3B.

NOTE: The hardware must be placed on all (4) studs and must be tight.
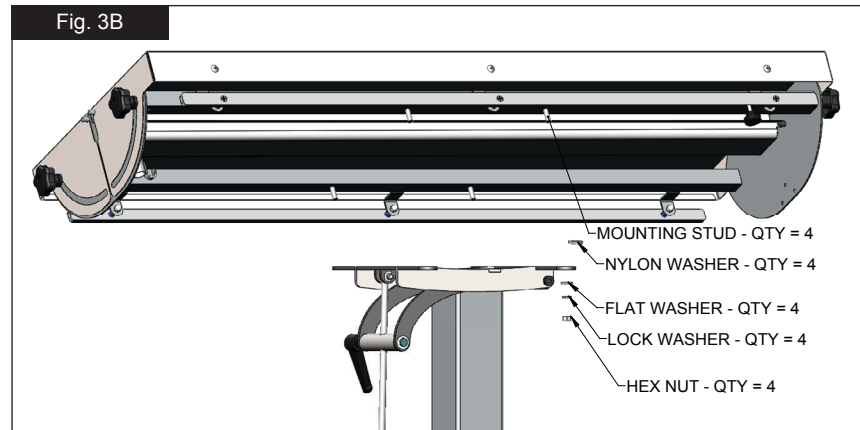
{Installing Clam Cleats}

The Continuum V-Top Surgery Table comes equipped with a rail system which extends down the outer sides of the table. Also provided with the table are four cam cleat tie down attachments that can be used to secure the patient during surgery. See Fig. 3C.

The cam cleats can be installed two ways:

1. Loosen the knob by turning counter clockwise to remove the screw enough to allow you to place the slide block onto the end of the rail attachment bar and slide it along the rail system to the desired position. Then turn the knob clockwise to tighten and secure the cam cleat in the desired position.

or

2. Loosen the knob by turning counter clockwise to remove the screw enough to allow you to place the slide block on the side of the attachment rail in the desired position. Then turn the knob clockwise to tighten and secure the cam cleat in place.

Once the cam cleat assembly has been secured to the attachment rail, the patient can be secured by placing the leash or strap between the two cleats on the outside of the assembly. If pulled through, the cleats will lock to secure the leash/strap. The cam cleats have a maximum work load of 120 kg/264 lbs. See Fig. 3D.

To release, simply pull the leash outwards.

Fig. 3C

Fig. 3D

Section 4: Installation - Flat Top Surgery Table Top

{Pre-Installation Check}

⚠CAUTION The Continuum Surgery Table is heavy. Precautions must be taken. Utilize two or more people when installing.

{Installation: Flat Top Table Top}

EQUIPMENT/PARTS: The Continuum Surgery Table top and base are shipped in separate cartons and does require some assembly. Included in the table top shipping carton is a plastic bag containing 4 flat washers, 4 lock washers and 4 hex bolts needed to mount the top to the base. In addition to the mounting hardware we have included 4 cam cleat assemblies.

TOOLS REQUIRED:
9/16 Socket or Crescent Wrench

Installing the Flat Top Table Top

Step 1
Ensure the tilt mechanism is in horizontal position and locked.

Step 2
Place the table top on the tilt mechanism and align the four holes in the bottom of the table frame with the four holes in the tilt mechanism. See Fig. 4A.

Step 3
Once the table mounting holes have been lined up with the tilt mounting holes, the table top can be secured using the hardware supplied. The hardware should be installed in the following order.
a). Flat washer
b). Lock washer placed on top of flat washer
c). Hex bolt placed through both a) flat washer and b) lock washer and inserted through the tilt and into the table top.

Step 4
Tighten using a 9/16 socket or cresent wrench. See Fig. 4B.

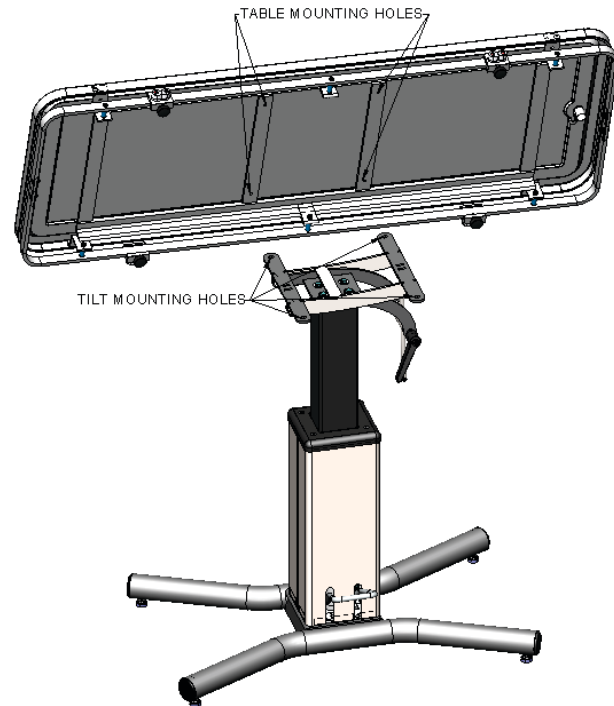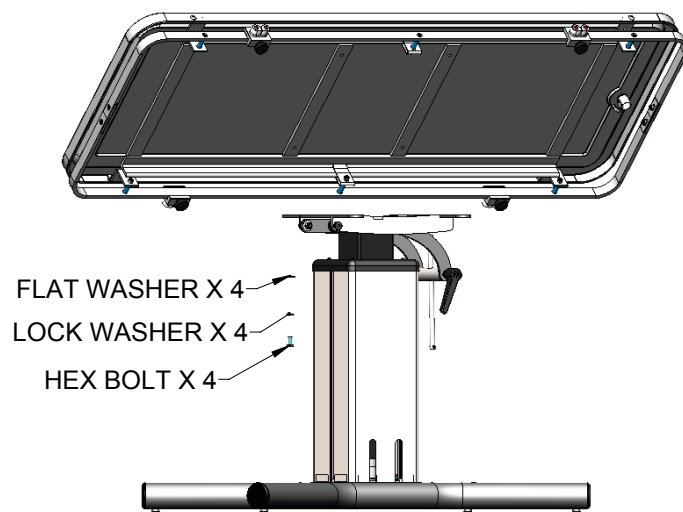**NOTE:** The hardware must be placed in all (4) holes and the bolts must be tight.

Fig. 4A

TABLE MOUNTING HOLES

TILT MOUNTING HOLES

Fig. 4B

FLAT WASHER X 4
LOCK WASHER X 4
HEX BOLT X 4

{Installing Clam Cleats}

The Flat Top Surgery Table comes equipped with a rail system which extends around the outer sides and ends of the table. Also provided with the table are four cam cleat tie down attachments that can be used to secure the patient during surgery. See Fig. 4D.

Step 1
Loosen the knob by turning counterclockwise to remove the screw enough to allow you to place the slide block on the side of the attachment rail in the desired position. Then turn the knob clockwise to tighten and secure the cam cleat in place.

Once the cam cleat assembly has been secured to the attachment rail, the patient can be secured by placing the leash or strap between the two cleats on the outside of the assembly. If pulled through, the cleats will lock to secure the leash/strap. The cam cleats have a maximum work load of 120 kg/264 lbs.
See Fig. 4E.

To release, simply pull the leash outwards.

Fig. 4D

Fig. 4E

Section 5: Operation and Functionality

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{Tilting Table Top}

Step 1

To tilt top, turn table locking handle counterclockwise to loosen. Tilt top to desired location. Turn table locking handle clockwise to tighten and lock into place. See Fig. 5A.

IMPORTANT: Drain tube should always be at lower end of top in all positions.

{Raising/Lowering Table Top}

Step 1

To raise top, operate pump pedal with foot. Push 4/5 of the way down for easy lifting. The table has a total lift of approximately 10 inches.

Step 2

To lower top, depress pump pedal fully (holding to the very bottom), which will allow the top to descend slowly to the desired position.

{Adjusting V-Top Table Panels}

Step 1

To raise V-Top Table Panels, turn locking knob counterclockwise until loose.

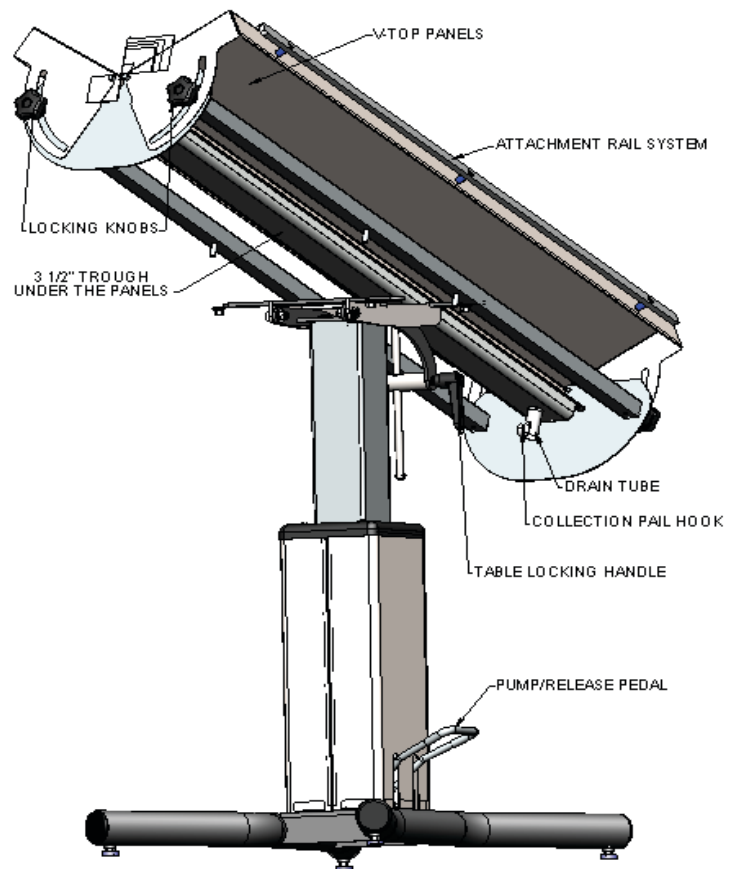**NOTE:** Only one locking knob per panel needs to be loosened on either end.

Step 2

Raise the panel to the desired height. Turn locking knob clockwise to tighten.

Step 3

Repeat step 1 for other side.

Fig. 5A

Section 6: Maintenance and Cleaning

{Cleaning the V-Top Panels}

Step 1.
Using the Panel Adjustment Knobs, adjust both of the V-Top panels to the maximum angle. Pull outward at center of panels to rotate the panels downward. This will expose the underside of the panels.

Step 2.
Remove the drain trough located under the panels and clean thoroughly. See Fig. 6A.

Step 3.
Replace the drain trough and adjust the panels to the desired location (Refer to page 11).

NOTE: The drain pail can be removed/cleaned without adjusting the panels or removing the trough by simply removing the pail from the collection pail hook on the under side of the table.

NOTE: For additional cleaning information for the V-Top and Flat Top Surgery Tables, please see page 13.

Fig. 6A

DRAIN TROUGH

LOCKING KNOBS

{Quality & Life of Your Product}

IMPORTANT: Routine maintenance will ensure quality and life of your long-term investment and protect animals from transmittable disease and infection

IMPORTANT: To safeguard your investment and rights to the Shor-Line's Warranty, it is important that you know factors that degrade stainless steel. Corrosion, pitting, and discoloration can occur if:
- Bleach, deodorizing agents, disinfectants, and sanitizers (chlorides, bromides, iodides and thiocyanates) stand wet on your product for a prolonged period (over two minutes).
- Bleach, deodorizing agents, disinfectants, and sanitizers are used frequently without being neutralized with clean water after each application.
- Acidic urine is not removed rapidly and surfaces are not washed thoroughly.
- Animal hair, holding urine and fluids, is allowed to collect around legs, hinges, casters, and welded wire intersections.
- Solutions like liquid bleach and antibacterials are allowed to evaporate and dry on surfaces.
- Particles from steel wool, metal fiber brushes, or metal scrapers (which are never recommended for cleaning stainless) get embedded in your product's surface, rust, and give the false impression that the stainless steel is defective.
- Your water source (local or well) is heavy in iron content and water is allowed to dry on your product.
- High levels of pollution (automotive exhaust, aggressive gases, soot, iron oxides, chemicals, etc.) or chloride (from sea or de-icing salts) exist in the environment and frequent, thorough cleaning (manual or rain-washing) does not occur.

{Care & Cleaning Best Practices}

IMPORTANT: You play an essential role in safeguarding your investment and rights to Shor-Line's Warranty. We strongly recommend:
- Daily or weekly cleaning of stainless steel to prolong its longevity and value and to help you maintain its finish.
- Using the mildest cleaning procedure that will do the job effectively.
  - Ordinary waste deposits and fluids can usually be removed with soap and water. Rinse thoroughly with clear water and dry completely with a soft cloth to discourage water spotting.
  - Minor scale build up and some hard water spotting can be removed by washing with vinegar followed by a clearwater rinse and thorough drying.
  - If rubbing, brushing, or scraping is required, use only stainless steel wool, brushes with plastic, nylon or stainless steel fibers, and scrubbers made of plastic or nylon. Ordinary steel wool or steel brushes should never be used.
  - Stubborn deposits or tightly adhering debris may require a commercial cleaning product. Scouring powders will scratch stainless and should not be used. Always review label statements on cleaning products regarding use on metals.
  - Cleaning is not completed until fresh water has been used to thoroughly rinse all residue of salt, bleach, deodorizing agents, disinfectants, and sanitizers.
- Rubbing, drying, and polishing should always be in the direction of the product's grain so scratches will blend into the surface. Efforts opposite the grain may produce a scratched surface appearance.
- Rubbing a soft cloth moistened with olive oil, undiluted white or cider vinegar, or club soda may brighten stainless steel and help remove surface streaks and heat stains.
- Never use paint, lacquer, or varnish as a substitute or shortcut for properly caring and cleaning stainless steel.
- Never intentionally stamp or etch stainless surfaces

{Protecting Against Disease & Infection}

IMPORTANT: Shor-Line shares your commitment to health and safety. This information is intended help protect your animals, as well as, safeguard your investment.

- Bleaches can be harmful to animals. Bleaches can react with acids and release chlorine gas that is highly toxic.
- Because of its strong corrosive and toxic properties, bleach is diluted with water. The solution's potency (shelf-life) quickly degrades as the active chlorine dissipates with water. Animal care professionals, therefore, cannot know with certainty how effective the bleach solution is over time without implementing a formal monitoring system.
- If chemical deodorizers, disinfectants, or sanitizers are used, protect your animals from respiratory problems and infections by using clean water to wash residue from all surfaces and dry thoroughly.
- Clorox® Company warns: "We cannot recommend Clorox® to clean metal surfaces, including stainless steel. Prolonged or repeated exposure of metal to strong solutions of our product eventually can cause discoloration or corrosion. To reduce the possibility of metal discoloration, we suggest that exposure time to Clorox® be less than five minutes and that surfaces be rinsed well after application of the solution."
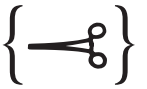
Section 7: Services, Terms & Conditions

https://www.midmark.com/service-support/terms-conditions

SHOR-LINE®