

Lathe Uni-Rail Shield System

Installation Instructions

Thank you for purchasing the Lathe Uni-Rail Shield System. For your personal safety and to help assure reliable operation of your new Lathe Uni-Rail Shield System, please follow these installation instructions before use. If you find that you need further assistance on how to assemble or install your Lathe Uni-Rail Shield, please contact Stronghold® Safety Engineering at 651-300-2819.

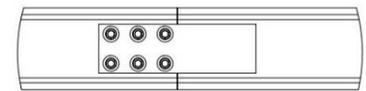
Prior to starting installation procedures, please check to ensure all parts have been received. Please inspect for shipping damage. REPORT ANY DAMAGE IMMEDIATELY TO THE DELIVERY CARRIER OR TRANSPORTATION COMPANY.

Before installation of this equipment, please make sure:

- You have **LOCKED OUT** all electrical power to the machine.
- You have verified floor construction is void of utilities, pipes, post tension cables etc.
- You are wearing proper personal protection equipment.
- You have read and understand your machine's owner's manual.
- You are a qualified and trained individual to install this equipment.

Installation Procedures:

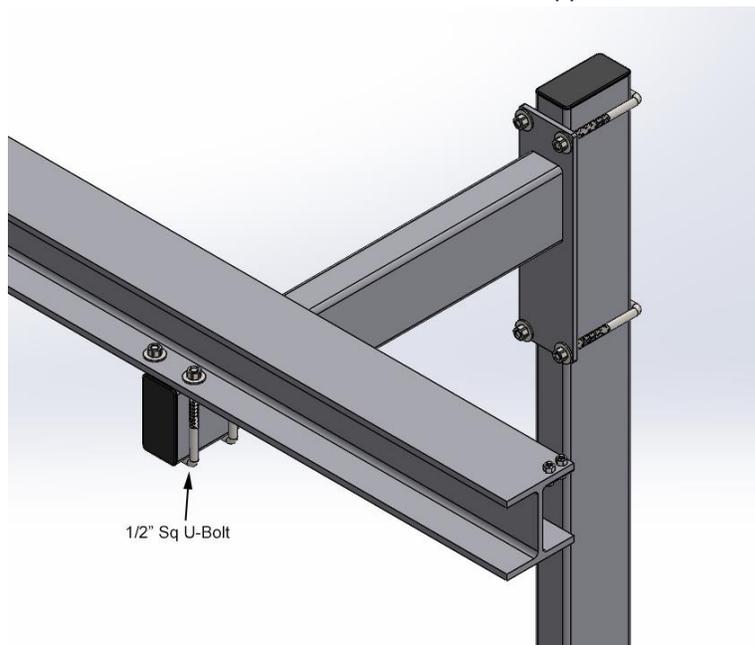
- 1) Depending on the length of Uni-Rail, you may need to join the I-beam components with included bolts, washers, and lock nuts.
- 2) Install I-beam to uprights as shown using hardware provided. Ensure I-beam is level across all uprights after installation.



Qty - 6 3/8" Bolt; Qty 12 - 3/8" washer; Qty 6 - 3/8" Lock Nut

NOTE: Until you locate the final position of the support posts relative to the machine, you **MUST** provide sufficient support bracing to prevent the structure from tipping over. Failure to do so can result in personal injury and/or damage to your machine.

SECURELY support the main Uni-Rail frame near the machine in approximate location of use.

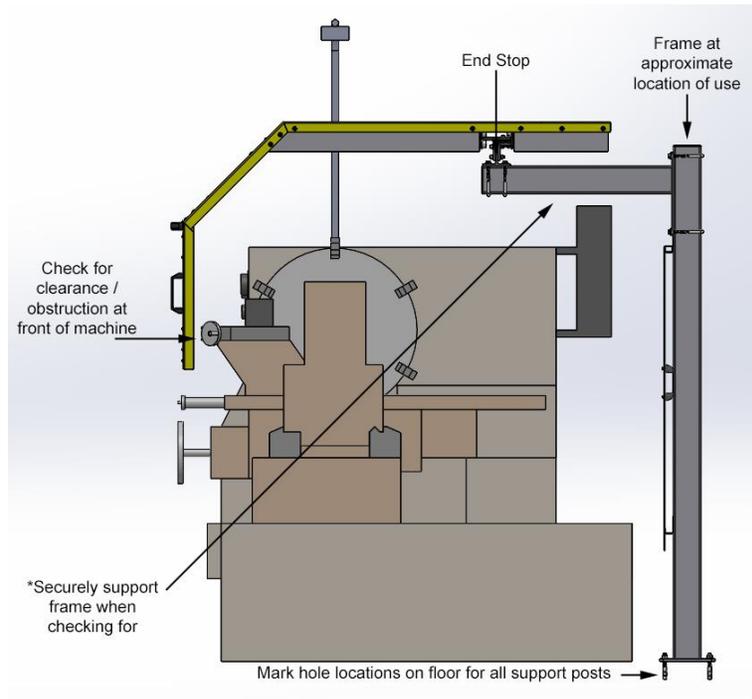


- 3) Remove End Stop if installed and place chuck shield panel onto I-beam Support.
- 4) Reinstall end stop bracket(s). Make sure stops are installed at both ends of I-beam rail.

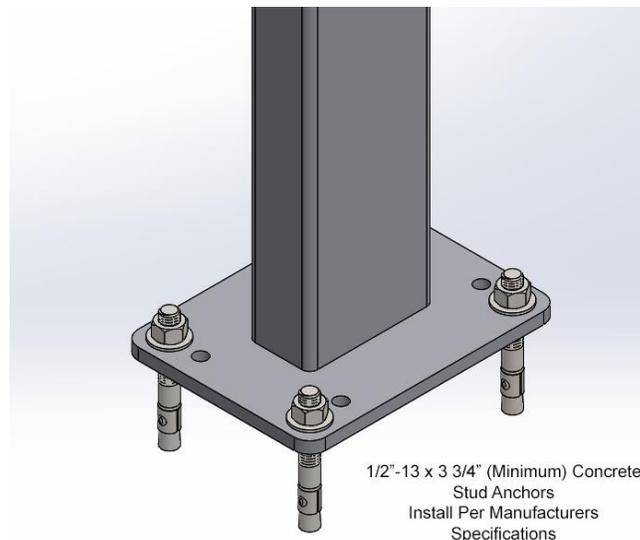
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- 5) Check for proper clearance and/or obstructions at front, top and side of machine.
- 6) Once final location is established, mark hole locations to install support posts to floor.



- 7) Secure support posts to floor using the 1/2"-13 x 3-3/4" Concrete Stud Anchors provided. Due to irregularities in floor, it is highly recommended to properly shim posts (shims not included) if required to insure secure and level anchoring to floor.



- 8) To complete installation, place second guard panel onto I-beam support and reinstall end stop bracket.

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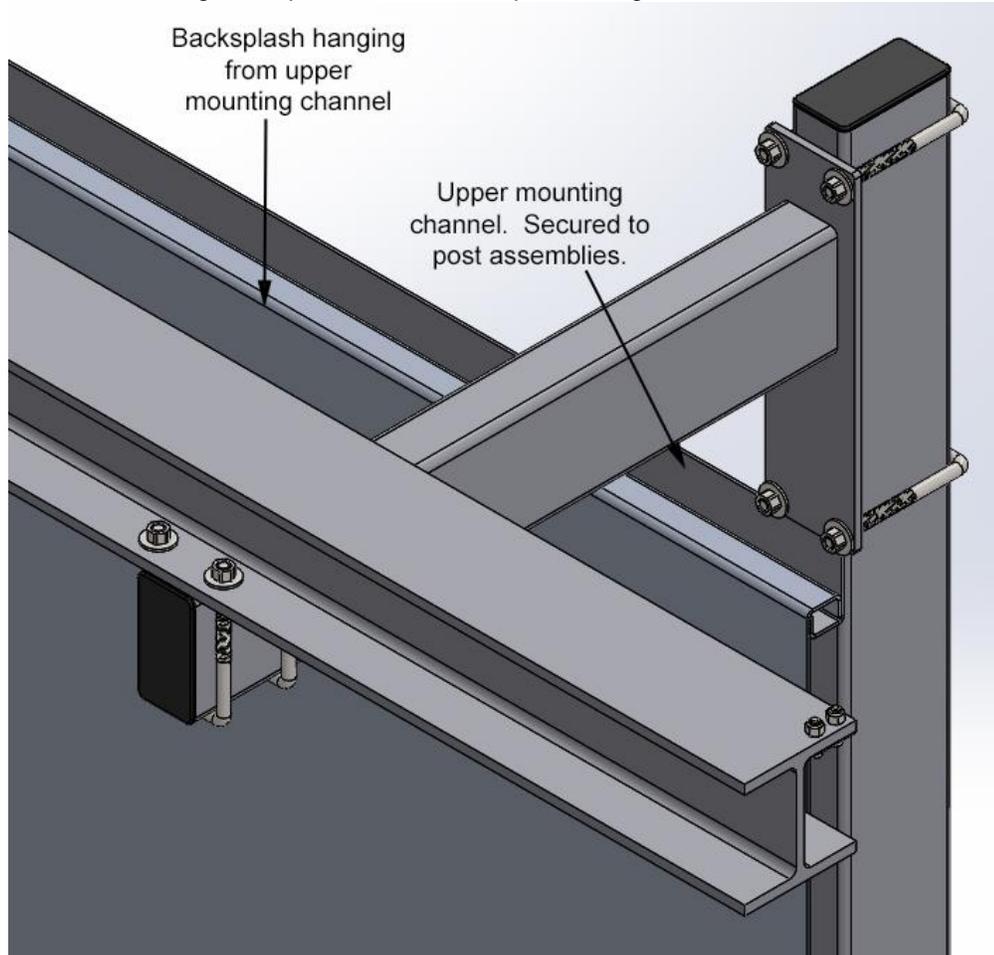
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Optional Backsplash Installation

Backsplash mounting channels must be installed to the Uni-Rail post assemblies for the backsplash to attach to.

Installation Procedures:

1. Measure the height of the backsplash panel assemblies.
2. Using provided Tek Screws, attach the mounting channels to the post assemblies so that the backsplashes can hang from the top mounting channel and ride inside the bottom mounting channel.
3. From behind the Uni-Rail, hang backsplashes from the top mounting channel.



4. Backsplash panels may be removed as needed for machine setup or maintenance.

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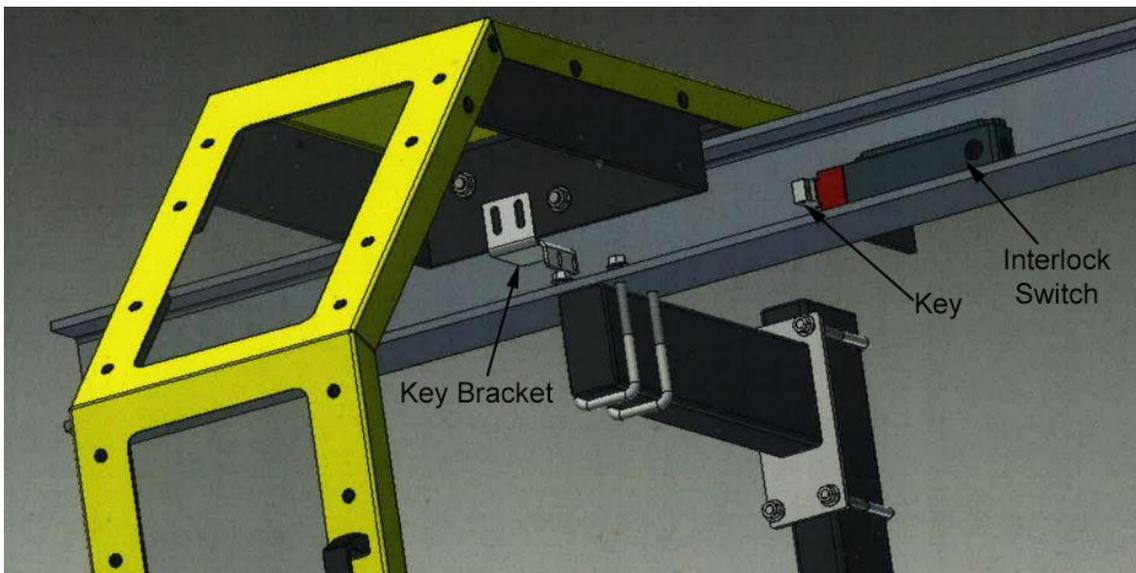
Optional Shield Interlock Installation

An electrical interlock switch may be installed to prevent the machine from running if the shield is not in place. The following instructions are specific to a key style interlock.

The key is attached to the moving shield via a bracket. When the shield is in place, the key is inserted into the switch indicating a safe position (shield in place) and the machine process can start. The positive opening normally closed contacts are held closed when the key is inserted into the switch. Sliding the shield from the approved location removes the key from the switch. This action opens the normally closed contacts of the switch and interrupts the machine's control circuit, shutting the machine down.

Installation Procedures:

1. Install interlock key to provided bracket.
2. Move shield panel to operational location. Remember that this will be the location the shield will need to be in for the machine process to start.
3. With the interlock key inserted into the switch, determine the appropriate location for the interlock switch on the I-beam. The interlock switch should be placed so that the key bracket can be installed to the shield panel.
4. Mark holes for both the interlock switch and key bracket.
5. Install the key bracket to the shield and the interlock switch to the I-beam. Ensure that when the shield panel is in place the interlock key is fully inserted into the switch.
6. A licensed electrician is now able to wire the interlock switch to the machine for use.



Limited Warranty:

Stronghold Safety Engineering warrants the original purchaser of this product for a period of 30 days from the purchase date for parts only. Notice: To obtain warranty you must notify Stronghold Safety of any defects within the applicable warranty period. UNDER NO CIRCUMSTANCES SHALL STRONGHOLD SAFETY ENGINEERING BE LIABLE TO PURCHASER OR ANY OTHER PERSON FOR ANY INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES, WHETHER ARISING OUT OF BREACH OF WARRANTY, BREACH OF CONTRACT, OR OTHERWISE.