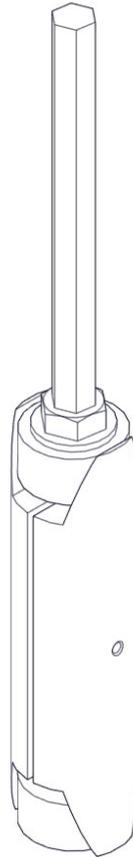


# EXPANSION BLOCK LOCK

Round Dual Post Blocks & Square Single Post Blocks



\*\*\*Images in the following manual may vary slightly from delivered product based on application.\*\*\*



7100 Spectrum Lane | Missoula MT 59808 | 800.791.8056 | [www.spectrumproducts.com](http://www.spectrumproducts.com)  
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Man Rev A

You have purchased a Spectrum Products Expansion Block Lock System. Providing the unit is installed correctly and properly maintained, it will furnish you with many years of trouble free use. It is important to read this entire manual prior to beginning assembly or operation.

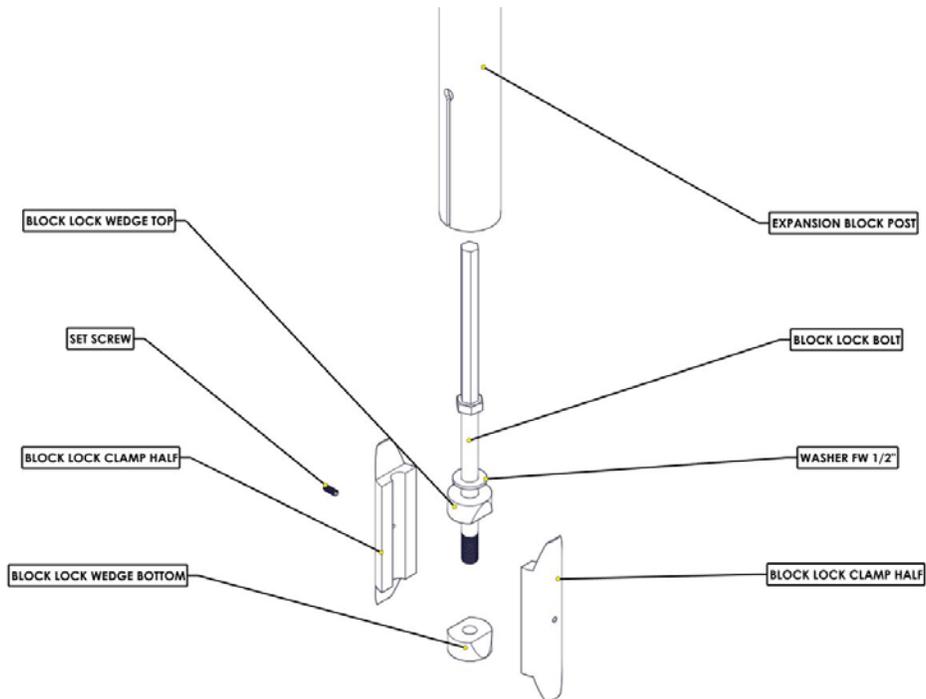
### Shipping Information:

Each Expansion Block Lock System will arrive assembled in one box. Before accepting the lift from the carrier, inspect for visible damage and match the contents with those listed below. Spectrum is not responsible for lost or damaged freight.

The box will contain all structural components and hardware. The following is a list of the components included with your shipment from Spectrum. Use Components and Hardware Figure, page 2, as a reference to identify each item listed. Quantities listed below are for a single dual post starting platform. Square post assemblies will only contain quantity 1 of the following parts in the left column:

|   |                                       |   |                |
|---|---------------------------------------|---|----------------|
| 2 | BLOCK LOCK WEDGE TOP<br>(unthreaded)  | 8 | WASHER FW 1/2" |
| 2 | BLOCK LOCK WEDGE BOTTOM<br>(threaded) |   |                |
| 2 | BLOCK LOCK BOLT                       |   |                |
| 2 | BLOCK LOCK CLAMP HALF                 |   |                |
| 2 | SCREW SS #10-24x1/2"                  |   |                |

### Components and Hardware



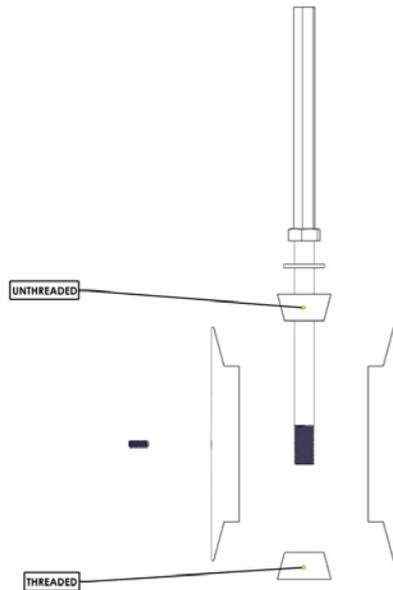
## Installation Overview

The following tools will be required to install and operate the assembly:

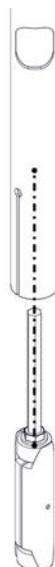
-3/32" Hex Key

-1/2" Ratcheting Wrench

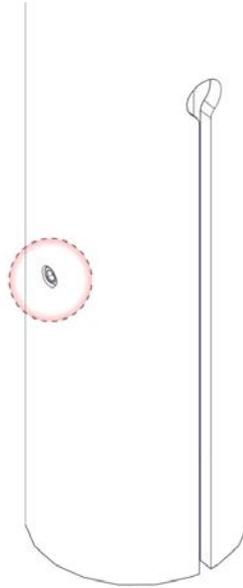
The Spectrum Expansion Block Lock should arrive assembled. If you need to re-assemble the system, and exploded view can be shown below:



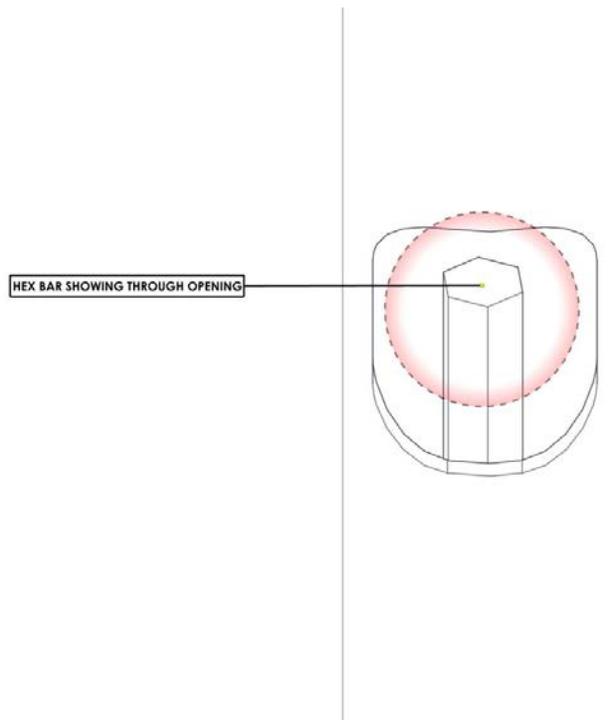
- a. Begin installation by driving the set screw so that the surface is flush with the Block Lock Clamp Surface. Ensure that the block lock bolt has been slightly screwed into the threaded wedge bottom. Place the assembly into the anchor post of the starting block.



- b. After placing the assembly, line-up the set screw with the thru hole in the anchor post. Back out the set screw just enough to partially protrude through the hole in the anchor post using a  $3/32$ " hex key in order to locate the assembly within the anchor post.



- c. Once the block lock assembly is located in place, make sure to check that the top of the block lock bolt can be accessed from the adjustment window of the anchor post. If the bolt needs to be raised slightly, remove the assembly, add additional  $1/2$ " flat washers for height and replace the assembly.
- d. Repeat this process for the second anchor post as well as any other blocks being installed.



## Operator's Guide

- a. Place the starting block with installed block lock assemblies into the anchor on deck, ensuring that the block is entirely settled before engaging the expansion block lock system.
- b. Engage the system by tightening both block lock bolts for the starting platform using a ½" ratcheting wrench until all excess space has been removed from the anchor and the block does not wobble.
- c. In order to remove the starting block from the anchor, disengage the system by loosening the block lock bolts using a ½" ratcheting wrench until the block lock bolts do not give any further resistance. **DO NOT OVER LOOSEN THE BLOCK LOCK BOLTS; SYSTEM WILL DISASSEMBLE WITHIN THE ANCHOR.**
- d. Note that it may take some force to remove the starting block from the anchors even when the system is fully disengaged.

## Care and Maintenance

Semi-annually, remove the system from the block anchor posts. Inspect all threads to ensure there is no damage to the system. Check for any signs of corrosion and clean all components using a 3M abrasive pad to ensure continued functionality.

## Troubleshooting

| <b>Problem:</b>  | <b>Cause:</b>   | <b>Solution:</b>  |
|--|---|---|
| When the system is tightened the starting block rises slightly | Block Lock Bolt Pressing against bottom of the anchor       | Place additional ½" washers between block lock bolt and block lock wedge top                                      |
| Block Lock Bolt is not tightening or giving resistance         | Block Lock Bolt is not engaged into Block Lock Wedge bottom | Remove the system, ensure the block lock bolt is slightly screwed into the Block Lock Wedge bottom before install |
| Block Lock bolt is not screwing into Block Lock Wedge Bottom   | Threads on one or both parts of the system are damaged      | Order new parts from Spectrum Aquatics to repair the system.  |

\*Please contact your local distributor or Spectrum Customer Service to order parts 406.532.6321