



# **Crystaplex<sup>®</sup> HDS Post Installation**

**Athletica manual**

## **Athletica Sport Systems Inc. Crystaplex® HDS Post installation instructions**

This manual details the recommended method for installation of the Crystaplex® HDS Post into an Acrylic GlassFlex® System.

### **Warranty**

This Athletica Sport Systems product is warranted to be free of defects in materials and workmanship for a period of 1 year from the date of purchase. Please contact Athletica Sport Systems with any questions about the performance of this product.

### **Contact Us**

#### **Canada and International**

554 Parkside Drive. Waterloo ON Canada N2L 5Z4  
519-747-1856

#### **USA**

720 Innovation Drive. Shakopee MN USA 55379  
763-249-7465

**Replacement parts available.**

### **Tool & Parts Required**

The following is a list of items required in order to perform the installation.

<b>Item</b>	<b>Supplied</b>
9/16" deep socket	No
Construction grade circle skill saw	No
Carbide tip saw blade	No
Blade lubrication spray	No
13/64" drill bit	No
Jig saw	No
3/8" hex head nut diver with extension	No
Router	No
3/8" round over router bit	No



### **IMPORTANT!**

**NOTE: To ensure proper alignment, fit and functionality, we recommend installation be completed by certified Athletica Sport Systems Inc. personnel.**

## Installing Crystaplex® HDS Post

1. Location of new HDS post is critical. You want to mark the center location of the existing HDM sleeve; this will be the **Reference point**. Once that is done, you need to make sure there is nothing on the underside of the frame that will obstruct the post from sliding down through the frame (ie Buffers, End channels, Center post). Other locations or adjustments in the shielding will be required. If a support plate is in the way, it will need to be cut out. The U-channel will be in the way, but will be cut out.
2. Tracing out the HDS post. Remove the GlassFlex® gasket making sure the **Reference point** mark is still marked on both of sides of the dasher. Place the small sample piece of the HDS post on top of the aluminum U-channel. The face plate of the HDS post needs to be flush with the 1-1/2" x 3" aluminum tube that is attached to the ice side caprail and centered on the location of the Reference point. Mark the section of the aluminum U-channel that needs to be cut out and the back section of the HDPE caprail which will be a 1/2 circle.
3. Remove the aluminum U-channel with a 9/16" deep socket by removing the four nuts attached to the buffers. The marked cutout section of the U-channel should be at least 1/4" larger than the width of the HDS post so there is clearance. Cut the section of the aluminum U-channel using a standard construction grade circle skill saw with a carbide tip saw blade. Use some lubrication spray on the blade; this will help when cutting the aluminum and ensure a longer life of the saw blade.
4. Install the U-channel back onto the buffers making sure the U-channel is tight to the 1-1/2" x 3" aluminum tube that is attached to the ice side caprail. Also, make sure the two pieces go back into the same location they were removed from.
5. The ends of the aluminum U- channel will need to be supported so they are even in height with the top of the dasher. There are two types of poly blocks; both are 3" wide x 5-7/8" long. One is a T-shape, and the other a U-shape depending on the style of U-channel. Choose the one that holds the U-channel level with the top of the dasher.
6. Install the poly blocks with four 1-1/2" long screws using a 13/64" drill bit. Place the ploy block under the dasher attaching it to the front and back aluminum stringers to support the U-channel.
7. Cut the back side of the HDPE caprail 1/2 circle with a jig saw. It should be a snug fit, so care needs to be taken when cutting. Check to see that the HDS post fits in the cut out.
8. Fit the HDS support cup into place. This must line up center of the support cut to the center of the **Reference point** from the HDM Sleeve.
9. Place the HDS post into the support cup using a level making sure the post is in the center marks and the post is plumb. Screw the top and bottom of the HDS cup into place using the 4 self-tapping screws with rubber washers. A 3/8" hex head nut diver with an extension will be needed.
10. Remove the HDS post and attach the polycarbonate butterfly clip to the top using four self-tapping screws with rubber washers. Pre-drill the holes with a 13/64" drill bit.
11. The existing acrylic sizing will need to be cut down 5/16" for each side of HDS post. Remember to router the acrylic edges using a 3/8 round over router bit after cutting as this will reduce the chance of breakage.



554 Parkside Drive, Waterloo, Ontario, Canada N2L 5Z4 TEL 519-747-1856  
720 Innovation Drive, Shakopee, Minnesota, USA 55379 TEL 763-249-7465

**athletica.com**



**BORDER PATROL**  
RINK SYSTEMS



**GAMEPLEX**

Infinity Series™



**Pro Series™**