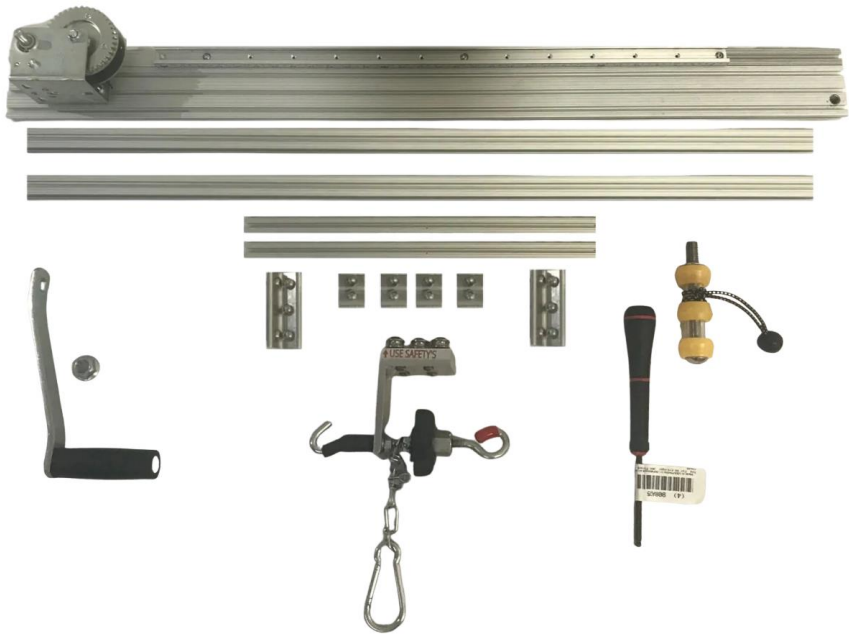
COOP'S LINEAR DRAW-BOARD

VERNON COOP

A draw-board is the most important tool every archer should own.
Our machine is unique in that it holds the bow vertically as it is drawn through its cycle. The same way a human does.
Our machine can be mounted to the wall as normally done in most clubs or on its supplied stand.
At the end of this book, we will show a few of the things that can be done using our Draw –Board Pro.

This is how your draw board arrives
Its set up for right hand bows unless
noted on order

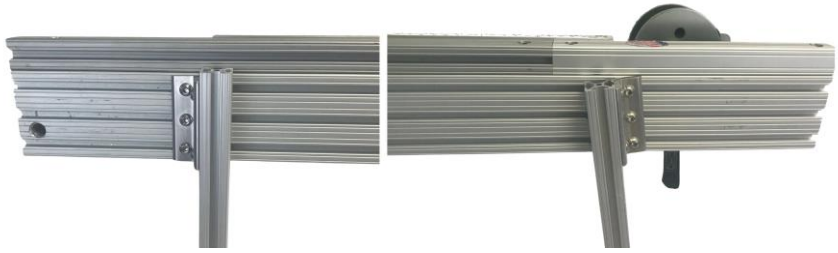


ASSEMBLY

locate the legs and feet and brackets as shown in pics.

4 -1- inch brackets that mount the ½ feet to the legs.

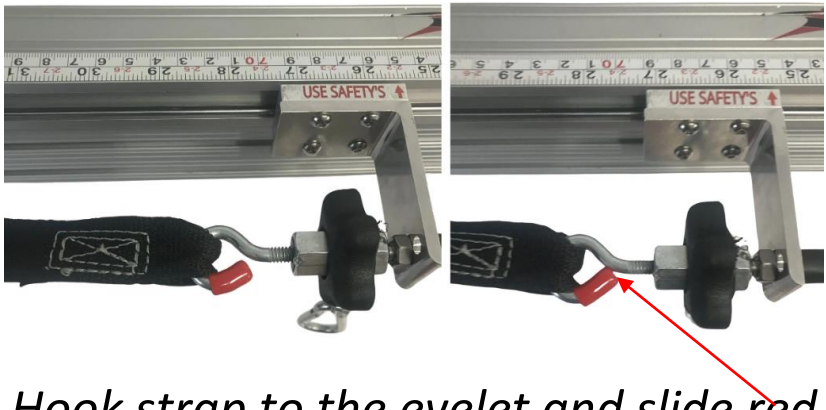
slide the 2- 3 inch brackets on the back of the machine and tighten in place.



Slide the legs into the 3 inch brackes on the back of the draw –board as shown in the pics

Splay legs apart for added stability and tighten in place.

Locate the carrier bearing and slide in place into the guide rail

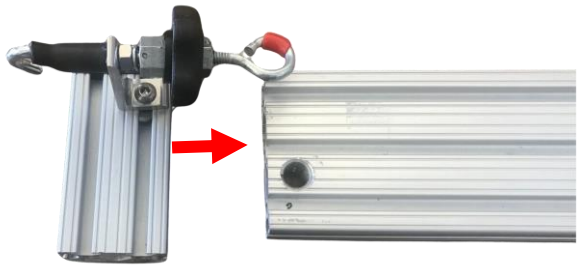


Hook strap to the eyelet and slide red gromet in place

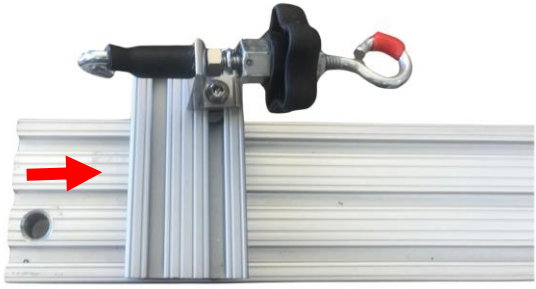
Instal bow holder *“hand tight only”*

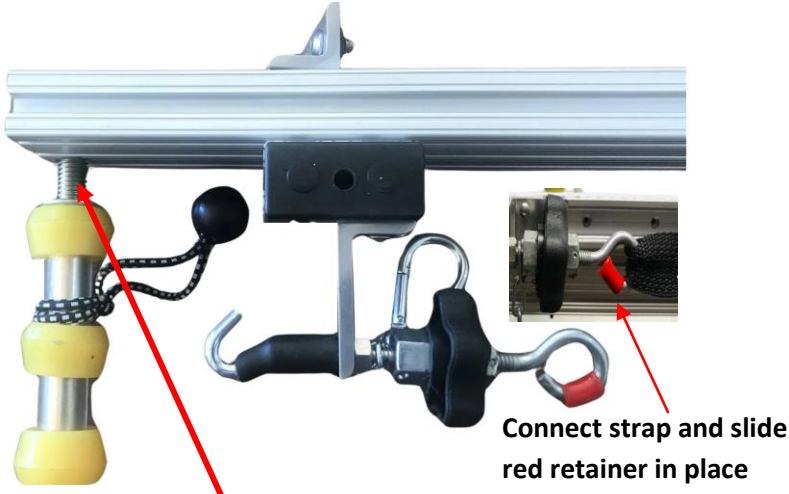
Linear draw board pro
Set up

Set up and use for the Bowsmith linear pro is relatively the same as the Professional model



slide onto the rail

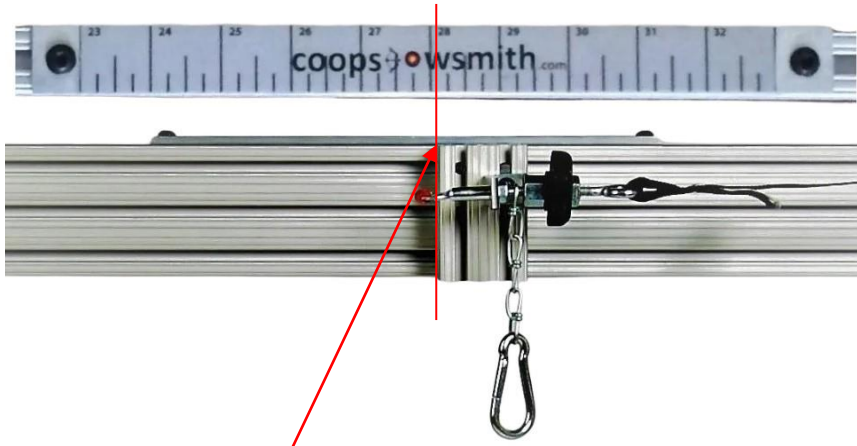




Connect strap and slide red retainer in place

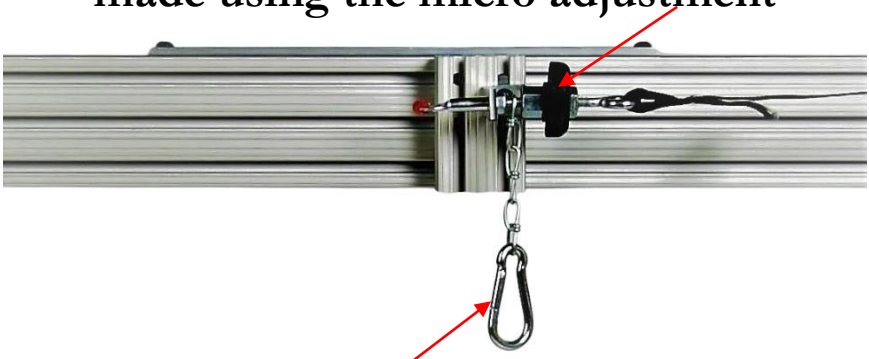
Screw in stud **hand tight only**

Make sure the winch is locked in place. Hold the bow as you slowly crank the bow back to its full draw position.
(scale)

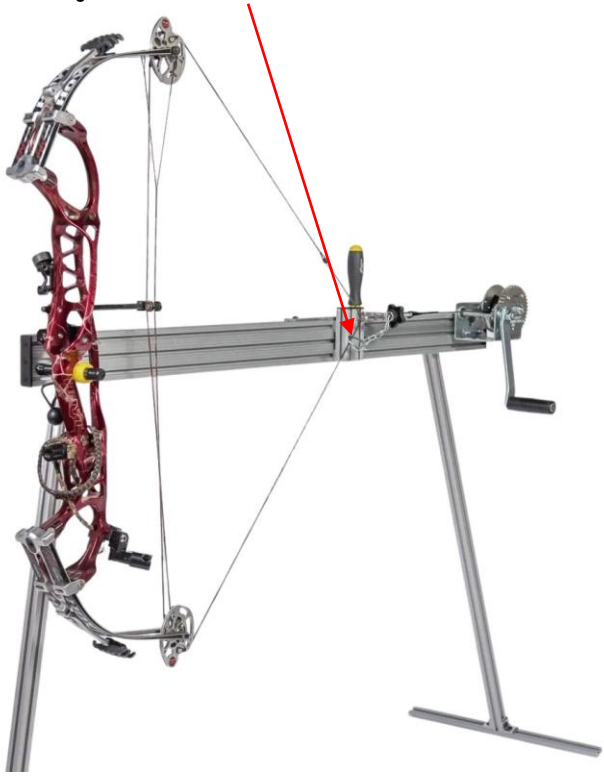


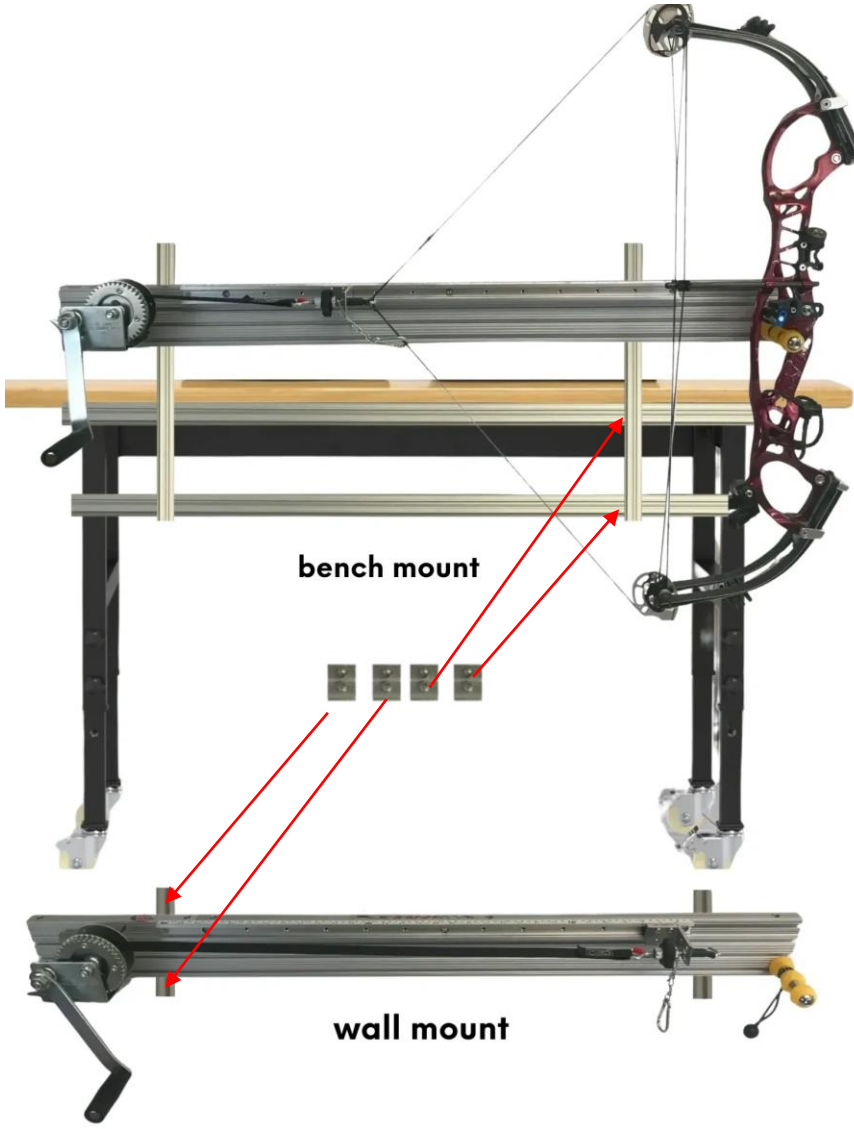
The linear guide block will line up with the draw length. If you're hooked to the D - loop it will give you your draw length including the D-loop
NOTE: scale may need to be adjusted to proper draw length.

Minor string adjustments can be easily made using the micro adjustment



Safety catch needs to be used!





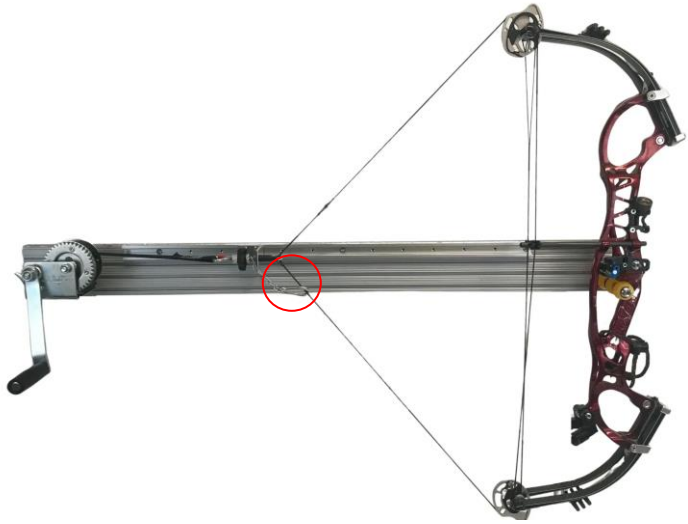
(Some parts not included.)

Contact us for help with parts

Using your Draw - Board

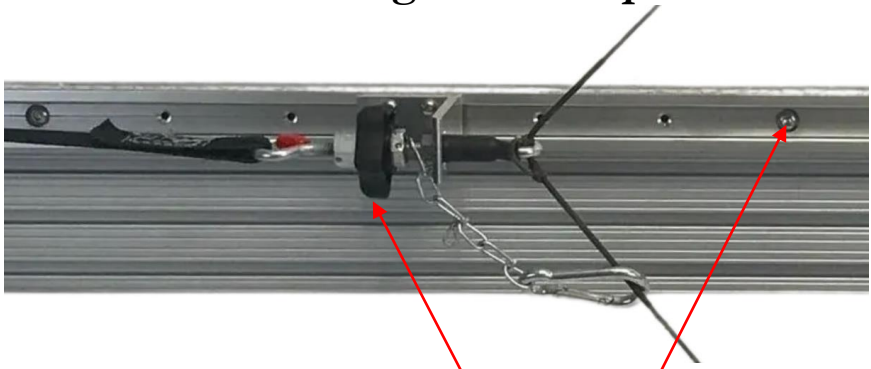
Place your bow against the rubber bumpers and loop the bungee strap around the handle.

While holding the bow with your right hand slide the hook forward and attach it to your D- loop or string. Connect the carabiner directly to the string! This is very important for your safety and the safety of your bow



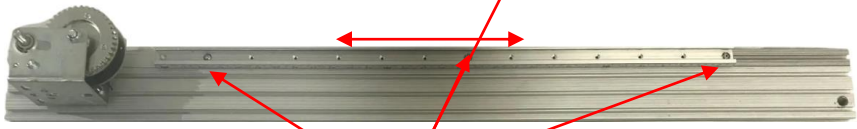
Make sure the winch is locked in place.
Hold the bow as you slowly crank the bow back to its full draw position.
This bow has a 25.75-inch draw

The linear guide block will line up with the draw length. If you're hooked to the D - loop it will give you your draw length including the D-loop



Minor string adjustments can be easily made using the micro adjustment

NOTE: scale may need to be adjusted to proper draw length.



Losen the 3 screws and slide the rail to align with your draw length and snug in place

Convert from right to left hand

This machine can be converted for left- or right-hand use.
Begin by dismantling to its bare components.

This does not come apart

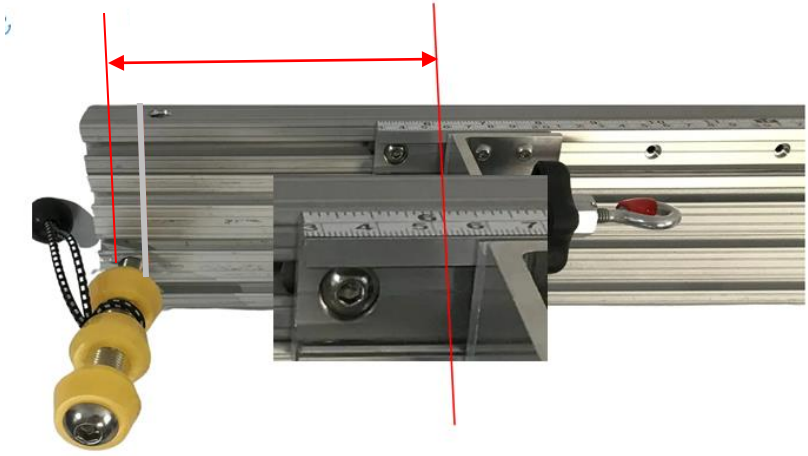
Decide right or left hand

Slide 3 t bolts in place and add the spacers

Set winch in place and secure with ¼-20 nuts

Slide the linear channel into the top grove and snug the 3 screws in place.

NOTE: this rail has 2 sets of draw scales use the appropriate one for your set up



slide the carrier in place and screw in the bow holder hand tight

measure from the front of the post plus 1/8th inch to set your draw scale

using a draw scale

we strongly recommend using the **Last Chance Bow Scale 3.0.**

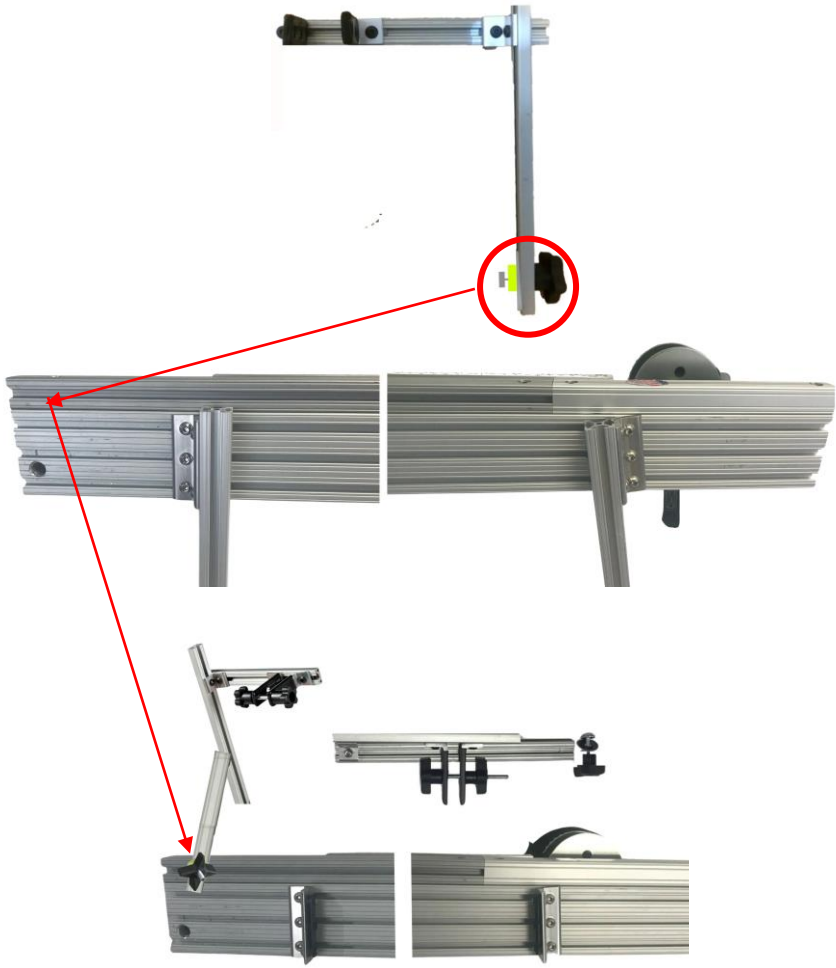
Hook to string only . Do not trust d-loop alone

Follow directions that come with scale

Optional Equipment

Upper riser Brace instalation

Draw board



to mount the brace on a draw board slide the glide into the middle grove on the back side of the 3 inch rail

As seen on a Bowsmith Platinum

Find a spot on the riser and adjust the plastic bow clamps so they are touching the riser.

Install the clamp and snug tight make sure you are not torquing the bow and tighten the side knob.

Make sure none of the steel or aluminum parts are touching your bow.

This will work on any bow you may have to reconfigure a bit for different bows. See figure 4.

Bow clamps

We offer a modified version of the Bowmaster. (figure 22) It doesn't include the compressing device and is designed to work with a draw-board. But the original Bowmaster works just fine with all of our machines.

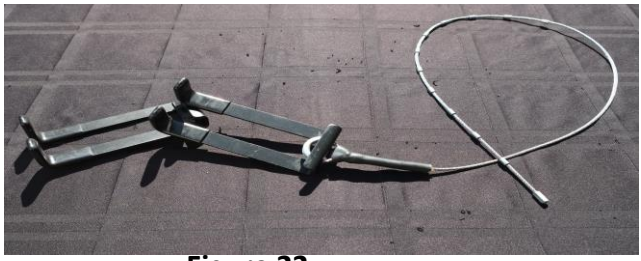


Figure 22.

Not included please order from our website

The bow L clamps are by Bow Master and can be used on past parallel bows, but only up to 6 degrees past parallel. If the past parallel limbs are more than 6 degrees past parallel to the limb tips, then, the Bow Master L clamps cannot be used. The Bow Master L clamps **do not work for all bows! Caution must be used!** Here is an easy way to tell if your bow is past parallel at rest. Below are photos of two different bows. Put a piece of paper up to the limb with one edge of the paper parallel with the string. (figure 23) The edges of the paper make it easy to see the angle of the limb. The picture on the left is of a bow that is not quite parallel as you can see by the yellow line (yellow line is the angle of the limb tip). The picture on the right is a bow that is past parallel. Only use the Bow Master L clamps on bows that do not have past parallel limbs greater than 6 degrees past parallel.

NEW G2 VERSION FOR 2016

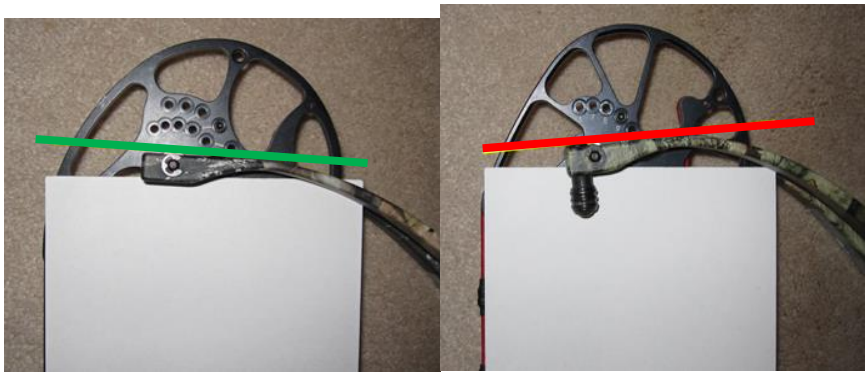
NOW WORKS WITH LARGE CAMS
AND ON BOWS UP TO 6º PAST PARALLEL
Logo stamped on the bracket indicates it is suitable for past parallel*

Split Limb L Brackets G2

This compact, lightweight bracket provides a quick and easy attachment point for the Bowmaster Bow Press. The L design presses from the limb tips and compresses the limbs in much the same way as when the bow is drawn. This new design works on a wide variety of bows, including those up to 6º past parallel. They work equally well on both solid and split limb bows and also work on bows with flared limb tips.

The NEW Bowmaster G2 Split Limb L Brackets, are longer than previous versions and are designed to fit large cams like those on the newer universal fit compound bows. Like the 2015 version of the Split Limb L Brackets the new G2 L Brackets will also work on bows up to 6 degrees past parallel.

http://www.prototechind.com/split_limb_L_brackets_info.htm



Almost parallel + 1 degree **Past-parallel - 6 degrees**

Almost Parallel versus Past Parallel

The Bow Master L clamps can slip off past parallel limb tips greater than 6 degrees. Use caution whenever using the Bow Master L clamps on any bow.

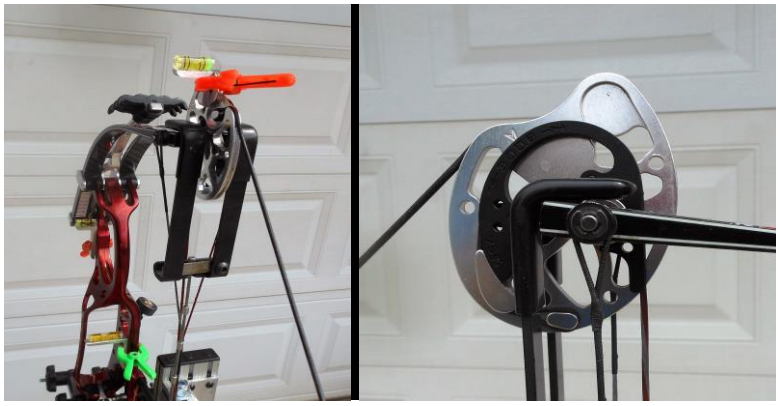
! WARNING: The limbs of a compound bow are under extreme tension. Use caution while working on the bow. Keep the face of the limbs away from you at all times. Eye protection must be worn!

Draw your bow just enough to fit the Bow Master L Brackets onto your bow. Set the L brackets in place. Adjust the length of the Bow Master L brackets making sure your cable ends are in the

proper place, and the latch on the L bracket is fully engaged. **Find the longest setting possible, with the least amount of draw!**

Now, back off the Draw - Board Pro winch and watch to make sure the hooks are centered and the cable is latched. You can now replace your string and cables, adjust twists in end loops and even remove cams if you are careful.

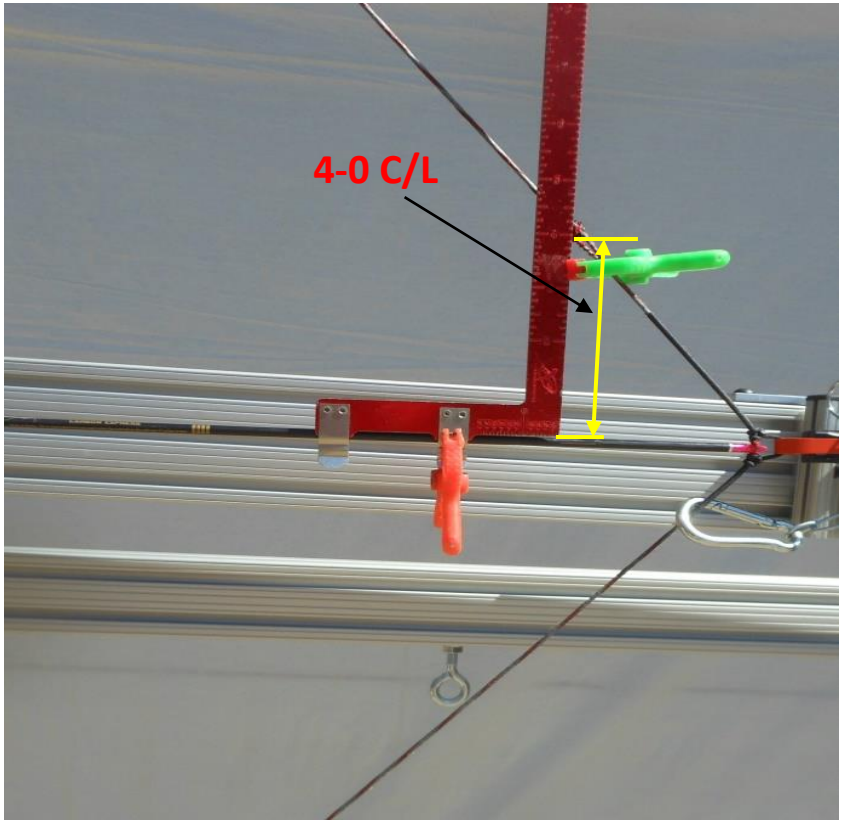
Remember to always keep your face and fingers out of the way!



These retainers were designed to be used with the Bowsmith Pro but work well on any Draw– Board. Extreme caution must be used at all times! Never put your face near the cams or put your fingers in the cams while the clamps are on.

Installing new string

Now take the time and take some measurements before you remove the strings and cables. Measure your peep height, this will save you from having to find it later by trial and error. Measure from the center of the shaft to center of the peep.



If you look at my bow specs and current set up, they are a little different. I want my bow back to factory specs so that's my goal. And regarding "factory Specs" very seldom do you get a bow that is at exact specs so a little + or -. (Close counts.) If you're off a 1/8 at brace or 3/16 with the ATA that's close enough for me but some people want it perfect. If this is you spend the extra hour or so. When satisfied how the bow is set up enter the actual settings and keep on file. After filling out the form you can now carefully install the limb locks and remove the old string and cables. Check your bearings for excessive play at this time. When satisfied all is correct, install the new strings. Hook the release using both safeties directly on the string and with the winch apply just enough pressure to remove the bow clamps. If the bow wants to roll forward you may have to attach a temporary d-loop. For this, I generally use the old string. Now carefully back down the winch paying close attention that the string and cables are in their respective grooves and remove limb clamps.

OWNER _____

MAKE AND MODEL _____

FACTORY SETTINGS	**ACTUAL BEFORE TUNE**
AXEL TO AXEL ____	_____
BRACE HEIGHT ____	_____
DRAW LENGTH _____	_____
DRAW WEIGHT _____	_____
LIMB BOLT SETTING _____	_____
PEEP HEIGHT _____	_____
SIGHT RADIUS _____	_____

TUNED SETTINGS

AXEL TO AXEL ____

BRACE HEIGHT ____

DRAW LENGTH _____ **D- LOOP** _____

DRAW WEIGHT _____

LIMB BOLT -TOP _____ **BOTTOM**_____

PEEP HEIGHT _____

SIGHT RADIUS _____

TILLER + - BOLT TURN **TOP**_____ **BOTTOM** _____

OWNER _Vern Coop_____

MAKE AND MODEL _2014 Hoyt pro comp, gtx-2, 75%

FACTORY SETTINGS	**ACTUAL BEFORE TUNE**
AXEL TO AXEL 36-15/16	37-1/8
BRACE HEIGHT __7-15/16__	___8___
DRAW LENGTH _-26.25__	25.75 **D-loop-** 26.25
DRAW WEIGHT 40-50_	_47_
LIMB BOLT /TILLER	**top**_ 2.25 **bottom**_ 1.75
PEEP HEIGHT	**static** 5-7/16_ **full-draw** _4_

TUNED SETTINGS

AXEL TO AXEL __37__

BRACE HEIGHT __8__

DRAW LENGTH __25.75___ **D- LOOP** _26-1/8th_____

DRAW WEIGHT __47____

LIMB BOLT -TOP __2_____ **BOTTOM** ___2_____

PEEP HEIGHT __5-7/16____

SIGHT RADIUS __32.125_____

TILLER + - BOLT TURN **TOP**__0___ **BOTTOM** ___0___