Setting up HorseGuard Bi-Polar Fence

To improve the efficienty of the Bi-Polar tape we have designed a new tensioner: the #9bl that does it all!
It's a tensioner on the Control Tower that locks in the electric connections.
It's a corner insulator, a 3 way-tensioner, and a splicer.


Control Tower Tensioner

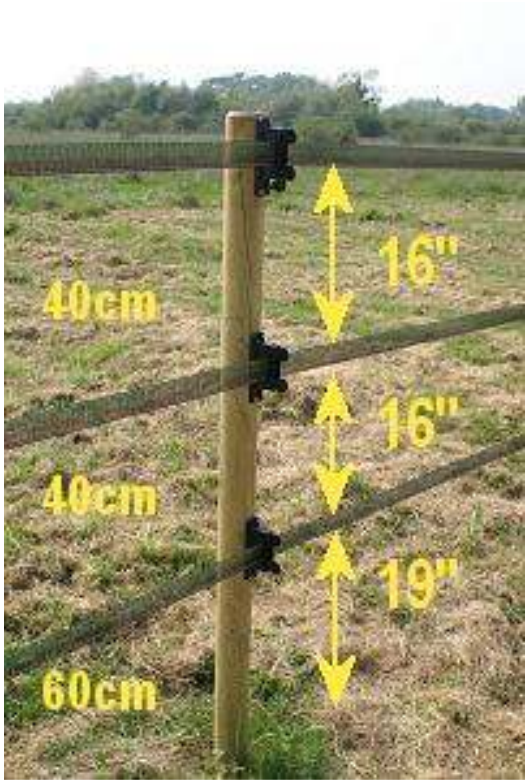

A corner insulator


A 3 way connection

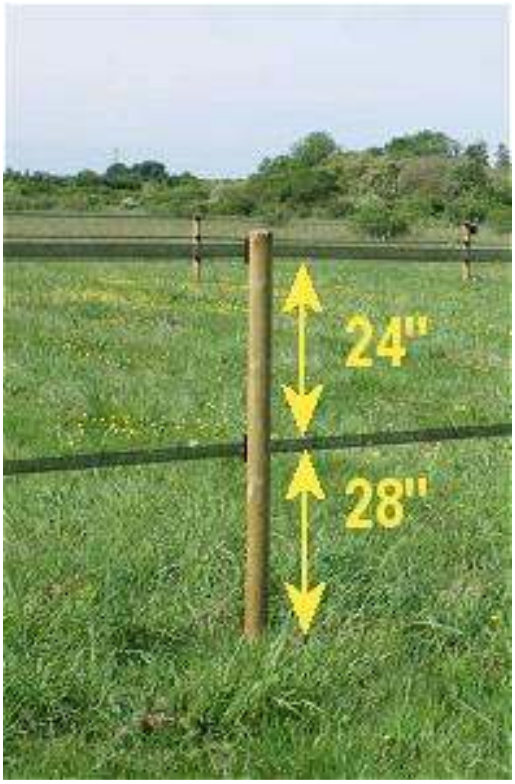

A splicer

The new tensioner #9bl does it all !

3 strands



2 strands



Measure and draw a mark for the placement of the middle tape, report the same mark on all the posts to install tensioners and insulators at the same level .

On line posts , secure all insulators #8bl with 2 wood screws.Do not insert the thumbscrew yet the tape will be set at the very end of the installation.

Setting up the Control Tower

On the Control tower post, position the tensioner #9bl on the mark and drill in just one lagbolt to hold the tensioner in place so you have access to the connecting section.

Setting up the connections

Cut the necessary length for each brown cable and green cable. Strip each cable's ends with the Crimping tool.

Crimp the soft metal terminal at each end.


Make sure to position the lugs/terminals using color codes
&
Push down the terminals of the cables into the tiny cones of the tensioner so it lock in position with it,
using one of the holes of the crimper tool and a hammer .


Close the top part onto the base but do not tighten the lag bolts completely, leave a gap ¼ inch (6mm) of space, to slide in the bi–polar tape, that will create the contact points with the charger.


Make sure the tape is perfectly straight in the tensioner so that the wires and the lugs are perfectly in contact.
Set the beginning of the tape into #9bl tensioner and squeeze it in definitively by tightening the long lag bolts with the provided pipe key or a cordless drill.


With the help of a broomstick unroll your tape along the fence line posts untill you reach the first corner .


On the corner post install the tensioner , set only the 2 bottom lag bolts leaving opened the top of the tensioner so the tape can be inserted into. Then set the two top lagbolts without thight-ening them because you need to pull the tape as hard as you can to create the tension .


Once you have built sufficient tension hold the tape and make a “dead loop” around the post to keep the tension.


Tighten the long lag bolts with the pipe key or the drill into the post until the tape is definitely locked in.Make sure not to fold the edges of the tape. The Tape has to be perfectly straight. Proceed the same way at each corner post up to the last gate post .


At the last post 2 options: <u>metal gate</u> or <u>tape gate</u>.
Keep enough length if you are installing a tape gate,
and set the insulated gate handle #11XP at the end .


<u>Go back at the beginning</u> of the fence line and at each post put the tape into each line insulator #8bl and secure the cap with the 2 violin screws (*every 25 insulators, you have one violin screw extra*) leave it secured to the insulator, you might need it one day if you drop a violin screw in the grass...

<u>Repeat the same procedure</u> for the second strand or every time you want to add another strand .

A Tip !

**If you have “crushed” the tape with your hands when pulling it,
just rub it back and forth on the post
and it will look flat, like new!**