

Safe-T-Brace Cable®

Installation Procedures for a
10' (304cm) Top Horizontal Brace Assembly.



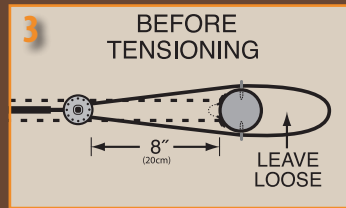
A Top Horizontal Pipe
or Post

B Mini Spooler

C 8" (20cm) End Post

D Added Safety Pipe
(Optional)

E 5" (13cm) Brace Post



1. End Post Assembly

- Place the loop end of the brace cable around the end post from the wire or rail side of the fence.
- Position the loop near the inside, center line of the post. Orient the loop for ease of lacing. Staple cable to post 6" (15cm) up from the ground line and within 4" (10cm) from the loop.
- Lace the other end of the brace cable through the loop as though you are lassoing the end post, pull the brace cable all the way through loop until taut - then manually bend the cable at the loop end to hold in place.

2. Added Safety Pipe (Optional)

- Slide on an 8.5' (260cm) to 9' (274cm) long piece of 3/4" (19mm) min. OD electric conduit or rigid PVC, painted to match your fence.

3. Brace Post Assembly

- Slide on the Mini Spooler.
- Hammer a staple on both sides of the brace post under where the rail bracket or wire will be positioned.
- Slide the cable end through one staple and back around the brace post through the other staple.
- Position the Mini Spooler about 8" (20cm) from the brace post. This will leave about a 6" (15cm) to 8" (20cm) loop of cable brace out from the brace post. (see drawing)
- Slide the cable end through and beyond the remaining center hub hole about 1" (25mm).
- Hammer the staples snug but NOT overly tight.

4. Tensioning Mini Spooler

- Place both ratchets into the Mini Spooler hubs. (top and bottom)
- Slide the Horsetail® 2" (5cm) Extended Handle onto the ratchets.*
- Pull the Handle (don't push) to tension the cable. With your hand - carefully hold the Mini Spooler to stop it from unwinding. Ratchet back the Handle, release the Mini Spooler and pull again, then hold the Mini Spooler, repeat this process until taut.
- Lean into the Handle with your body while inserting both locking pins - locate pins in opposite holes - closest to the cable brace.

* **Note:** The above tensioning techniques are for a one man installation using a Horsetail® 2" (5cm) Extended Ratchet Handle. In a two man installation, one man could use two 24" (60cm) Long Handled Ratchets while the other man sets the locking pins.

Safe-T-Brace Cable®

PRE-ASSEMBLED KIT • SAVES TIME • SUPER STRONG • LONG LIFE • VERY SAFE NO ENTRAPMENT
NO PINCH-POINT • SO CONVENIENT

Kit Includes:

- Four 16' (488cm) Twisted Strand High Tensile Brace Wires (for 10' (304cm) Top Horizontal Brace)
- One Mini Spooler: (with locking pins)
- Three 1.5" (38mm) Staples

Optional Safety Pipe

- 8.5' to 9' (260cm to 274cm) long 3/4" (19mm) min. OD electric conduit or rigid PVC (Paint to match your fence)
- 3/4" (19mm) diameter allows for air flow to dry off moisture, otherwise white rust may occur
- added safety provided when pipe rolls as horse rubs against it, preventing direct contact with cable

Tools Required

- Hammer
- Horserail® 2" (5cm) Extended Handle w/Ratchets

Tips & Techniques

1) Bigger, Deeper, Longer, Stronger: Increase the diameter of all end, gate, and 90 degree corner posts from the standard 6" to an 8" minimum (15cm to 20cm). This will lessen the number of failures and loss of fence tension. The reason is that over time and especially in moist soil, below the ground line, the smaller diameter end and corner posts bow and knife through the soil being pulled in the same direction by both the brace cable and the fence itself. Movement of up to 4" (10cm) has been observed. Other countries of the world use larger diameter posts because of this hidden problem. Australia for instance uses mainly 12" (30cm) and larger.

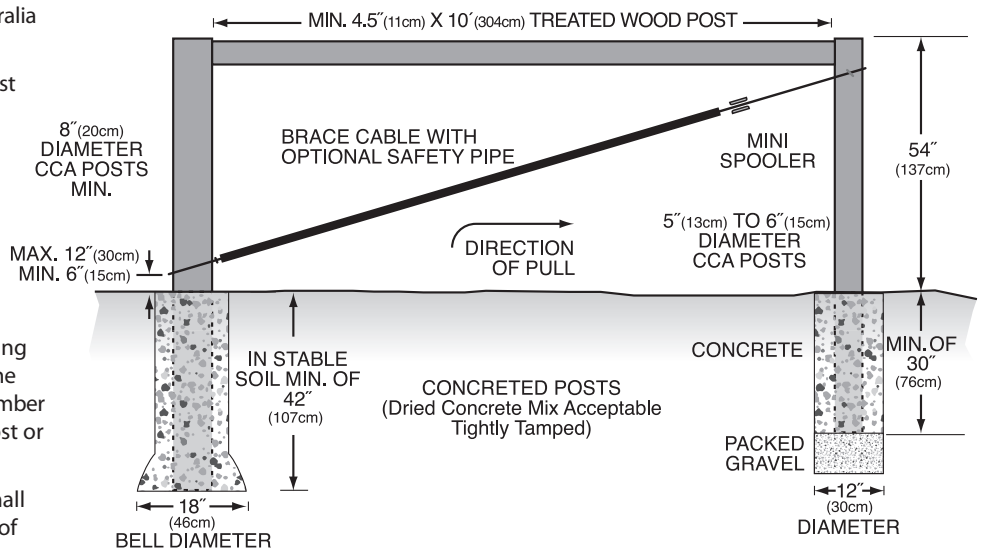
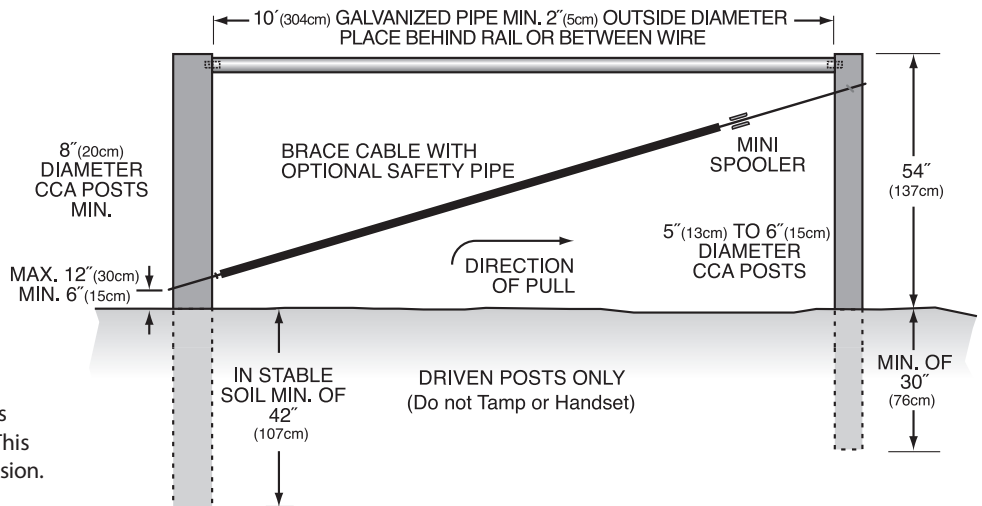
2) Proper Lean: There should be one inch of lean against the pull of the wires from the top post, 4.5' (137cm) to the ground line prior to tensioning the fence. Use a measuring level, torpedo level or plumb-bob to assist. If too much lean then keep lighter tension on the brace cable. Remember once there is tension on the end post it is impossible to retighten ANY brace cable or brace wires, without letting off tension on the fence first.

3) First Things First: Always position brace cable starting at the base of all end, gate and corner posts, then to the top of the brace post when using a top horizontal member of either a 4.5" x 10' (11cm to 304cm) pressure treated post or a 2" x 10' (5cm to 304cm) (SS20) galvanized pipe.

4) Caution: Make sure to keep the end post loop as small as possible. This reduces the likelihood of a small hoof entrapment.

5) Question: Can one shorten the length of the Safe-T-Brace Cable - Yes, wrap electrical tape for at least four inches before cutting with long handle bolt cutters or cable cutters!

Made from Pre-Straightened High Tensile Wire with Curved Radius On The Pre-Bend and Twisted for Superior Strength!



Pat. No. 6,431,487

- SAFETY FIRST: Use safety eye glasses and gloves.
- WARNING: Only for use with low-impedance electric fence energizers!
- Always use an adequate number of electric fence warning signs and make sure to attach them securely.
- It's essential to keep fence line clear of all debris. Please do not burn!



horserail.com

JW19920STB_0323