



magnum™

Horserail Installation Guide

# Site Preparation

It's always good to plan prior to doing anything. This is very relevant in the case of building a fence – and these are some items to think about:

## Planning Fence Line

- Mow or clear the fence row – this gives you a clean canvas to build the fence and will help obtain a smooth, flowing fence line.
- We suggest that you get stakes and mark out where you want ends, corners and gateways. Walk around for a few days using the gate openings to see if the plan works for your everyday usage. Measure-up, draw a rough sketch and write down the measurements.

## Dealing With Undulating Terrain

Post Foundation Experienced installers believe that the limit of elevation change is 2 degrees per post without the need of a change of angle. To minimize this problem, you should consider all of these points:

- Closer post spacing assists in handling dips and rises.
- Adjust post height – placing them deeper in the ground on a rise and shallower in hollows.
- If possible – Bulldoze the fence line, prior to construction, to flatten and minimize the number of dips and rises.

## Define and Prepare Fence Line

- Mark out proposed fence line using stakes and thick/visible string. Use the attached grid, question list and example to help layout your fence.
- Flatten fence line as much as possible (take away extreme rises and fill-in extreme dips)
- Clear vegetation and debris from fence line and mow
- Layout working gates (walk through and test to make sure placement and size will meet your needs).

## Develop Materials List

- Determine number and size of large diameter posts needed

| Type     | DIA.                  | Length              |           | Inbedment                |
|----------|-----------------------|---------------------|-----------|--------------------------|
|          |                       | Soft                | Concrete  |                          |
| Line     | 4" - 5" (107mm-127mm) | 8'(2.44m)           | 7'(2.13m) | Min. 2.5'(762mm)         |
| Corner   | 5" - 6" (127mm-152mm) | 9-10'(2.74m-3.05m)  | 8'(2.44m) | 3.5' - 4'(1.11m - 1.22m) |
| End/Gate | 7" - 8" (178mm-203mm) | 10-12'(3.05m-3.66m) | 8'(2.44m) | 4.5' - 5'(1.37m - 1.52m) |

- Determine number of fence run posts needed

| Terrain | Lots           | Pasture         | Range            | Light Grazing |
|---------|----------------|-----------------|------------------|---------------|
|         | Heavy Pressure | Medium Pressure | Average Pressure |               |
| Flat    | 7'(2.13m)      | 10'(3.05m)      | 14'(4.27m)       | 16'(4.88m)    |
| Rolling | 6'(1.83m)      | 9'(2.74m)       | 12'(3.66m)       | 14'(4.27m)    |
| Steep   | 5'(1.52m)      | 8'(2.44m)       | 10'(3.05m)       | 12'(3.66m)    |

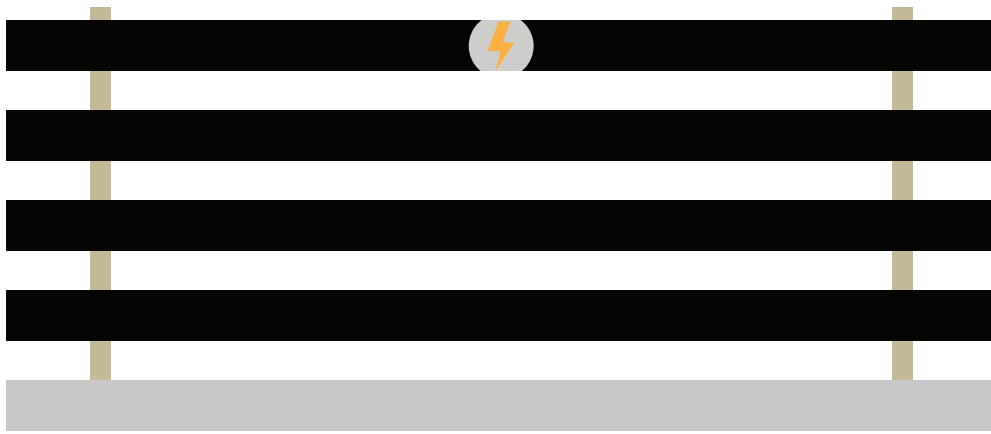
NOTE: Not designed for excessive pressure without electric.

- Select design option (see Chart above), OR create your own design, determine length of fence, number of feet of chosen material and then number of rolls.
- Determine proper number of accessories needed (buckles, brackets, spoolers, lag screws and washers, attaching sleeve, donut tensioners, staples and screws).

## Equipment / Tools Needed

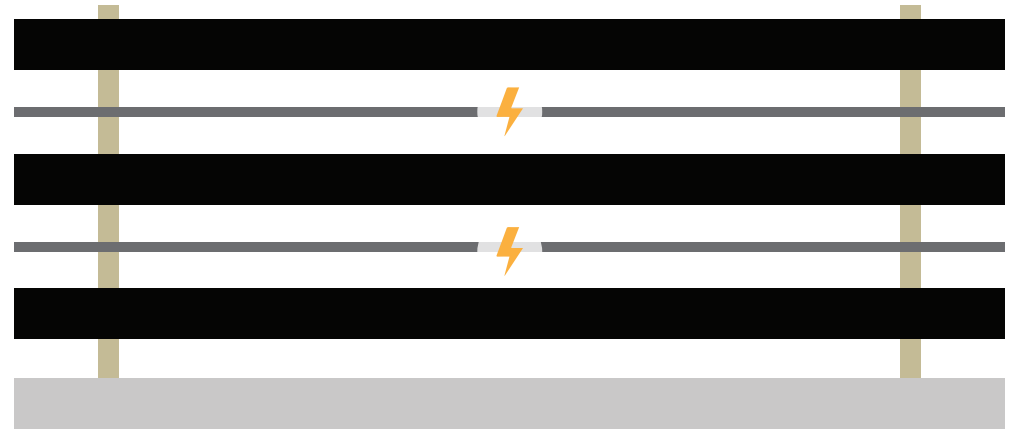
- Post Driver/Auger System\*
- Bending Tool (Rail only)
- Payout Box (Rail only)
- Either Extended Handle
- Ratchets or Two 1/2" (12mm)
- Long Handle Ratchets
- Hammer
- Impact Drill/Socket Set
- Tape Measure
- Marking Pen
- String Line
- Safety Glasses & Gloves

# Fence Design Possibilities

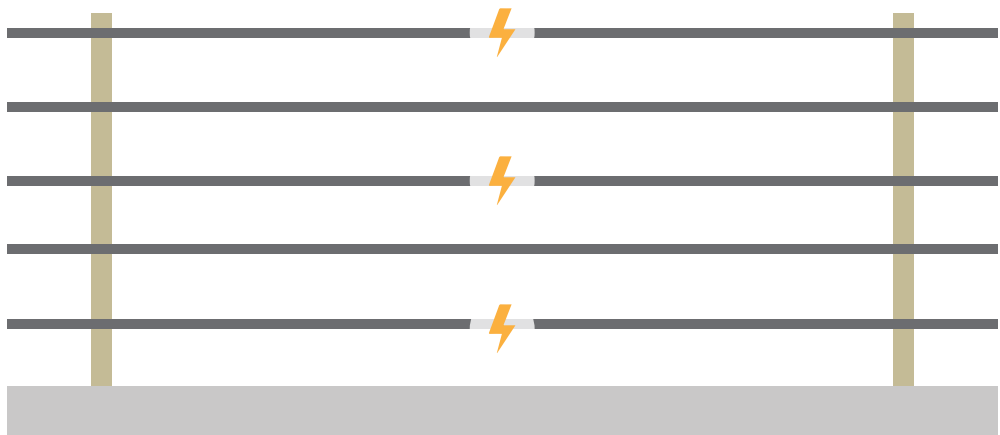


← Hottop Rail or Hotcote Wire on opposite side of post

Hotcote →



Hotcote →



← Hotcote

← Hotcote

← Hotcote