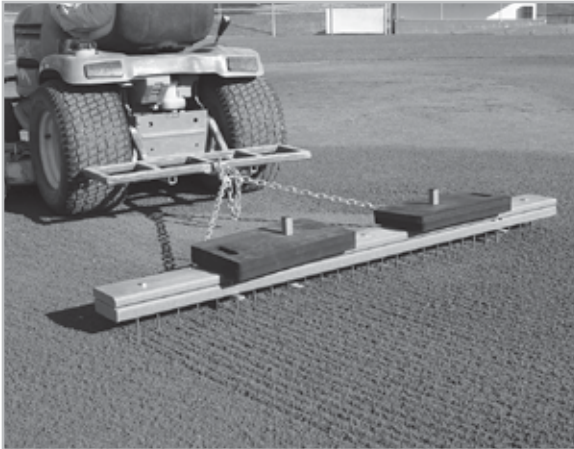


# Adjustable Weight Nail Drag

**TUFFdrag**  
ADJUSTABLE WEIGHT NAIL DRAG 

## ASSEMBLY & USAGE



**BEACON  ATHLETICS**

# Adjustable Weight Nail Drag

The point of connection is critical for achieving proper balance with your nail drag.

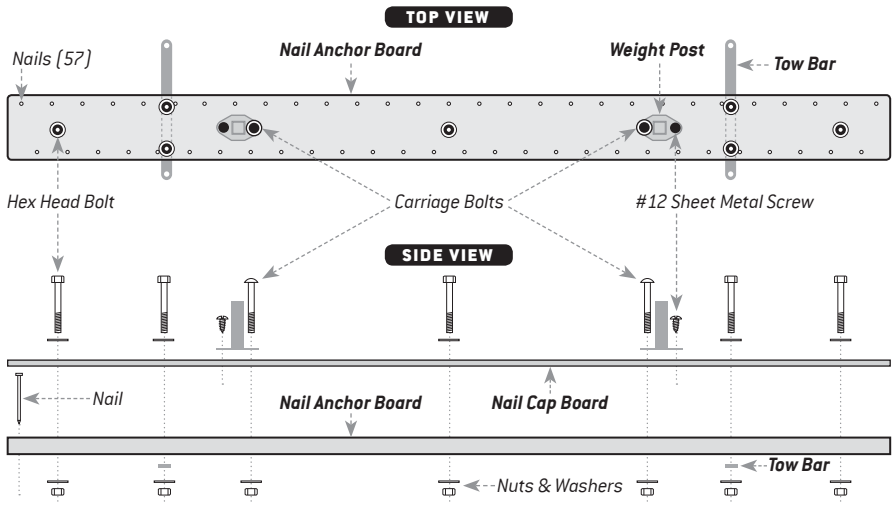
How well your drag is balanced will determine how well the nails can do their job of penetrating and scarifying the infield skin. If the point of connection is too high, it will cause the front of the drag to lift slightly off the ground. Too low and the nails on the front of the drag will cut too deep and possibly cause nail drag “chatter” where the drag will literally jump and hop along. Each time the drag jumps it gouges the soil and creates an uneven washboard effect — which increases the frequency of bad hops. **Using your Adjustable Weight Nail Drag requires minor assembly.**

## PARTS & HARDWARE

- **Nail Anchor Board** { 1 }
- **Nail Cap Board** { 1 }
- **4" Hardened Ring Nail** { 57 }
- **3/8" x 3" Hex Head Bolt** { 7 }
- **3/8" x 3" Carriage Bolt** { 2 }
- **3/8" Washer** { 9 }
- **3/8" Lock Nut** { 9 }
- **Beacon Weight Post** { 2 }
- **#12 Sheet Metal Screw** { 2 }
- **Tow Bar** { 2 }
- **Tow Chain Assembly** { 1 }
- **3/16" Quick Links** { 2 }
- **3/8" Washer** { 9 }
- **Beacon Field Weights** { 4 }

## DRAG ASSEMBLY

- 1 **Install 4" nails** into the Nail Anchor Board using the small predrilled holes { 57 }.
- 2 **Position Nail Cap Board** over the Nail Anchor Board to sandwich the nails between the boards.
- 3 **Install two outer Hex Head Bolts** as well as middle Hex Head Bolt with washers and tighten.
- 4 **Fasten Tow Bars** under the Nail Anchor Board using Hex Head Bolts as shown in *Top View*.
- 5 **Fasten Weight Posts** using Carriage Bolts and Sheet Metal Screws with the Carriage Bolts on the inside of the drag { toward the middle } as shown in *Top View*.
- 6 **Attach Tow Chain** to the longer end of the Tow Bar using the quick links at each end of the chain.
- 7 **OPTIONAL:** Attach drag mat to the short end of the Tow Bar using the supplied Quick Links.



## BALANCING YOUR NAIL DRAG

**Balancing your nail drag is the most important part of set up.** To properly balance the Adjustable Weight Nail Drag count the number of links in the chain from the nail drag unit up to the attachment point on your towing equipment. When pulling the nail drag with your towing unit, you want the nail drag perfectly level with the infield. If the drag is leaning toward the towing unit, you will need to shorten the length of the chain to shorten the distance between the drag and the towing unit. When the drag is leaning backward away from the towing unit — so the front nails aren't making contact with the soil — you need to lengthen the chain to increase the distance between the drag and the towing unit.

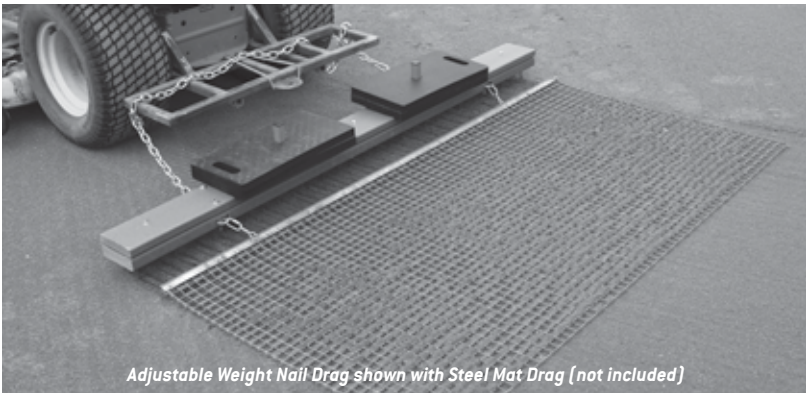
A lower or higher attachment point on our towing unit may help in finding the proper chain length for a balanced drag. Especially if you find yourself lengthening the chain considerably. If you can keep your overall equipment footprint shorter, you will have better maneuverability.

## ADJUSTING SCARIFYING DEPTH

**Adjust the depth of penetration by the nails into the infield skin** by adding the Beacon Field Weights included with your Adjustable Weight Nail Drag. Simply slide the weights over the weight posts on the nail drag using the hole in the weights. Soil and moisture conditions will dictate how many weights you should add. **The goal is to scarify no deeper than 1/2" into your soil.** When adding weights, be sure to add them equally to each post for uniform scarification. Too much weight resulting in deeper than 1/2" penetration will create issues related to excessively loose infield materials. Your drag comes with four Field Weights. If you need additional weights, you can buy them at [beaconathletics.com/fieldweights](https://beaconathletics.com/fieldweights).

## ADDING A SECOND DRAG

**Adding a steel mat or cocoa mat drag** behind the Adjustable Weight Nail drag is easy. Under the right soil moisture conditions adding an additional drag will increase your efficiency by allowing you to complete two jobs at once. The additional drag can be added to the shorter end of the tow bar with quick links. An additional drag will also help counterbalance the nail drag.



*Adjustable Weight Nail Drag shown with Steel Mat Drag (not included)*

## Consider these Beacon Built innovative products...

Now that you have your do-it-all drag, check out other ways to become more efficient. Our revolutionary SweetSpot Tamp reinvents the traditional tamp to eliminate vibrations — which means you save your back *and* your hands. And, sift out the spoils with our smart Sifter Scoop Shovel. Innovative ways to make your fields better and your job easier.

### ACCESSORIES FOR AROUND THE FIELD



SweetSpot Tamp System

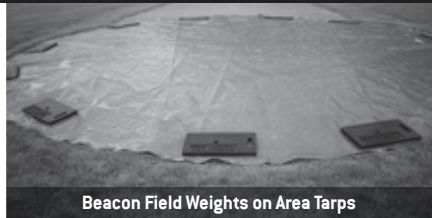


Sifter Scoop Shovel

### FIELD WEIGHTS FOR X-DRAG OR TARPS



Beacon X-Drag Field Weight Kit



Beacon Field Weights on Area Tarps



**Make your life easier** by using versatile Field Weights on your tarps and your X-Drag. Quickly and easily adjust the weight of your X-Drag, or ditch the tarp pins and sand bags and instead hold your tarps in place with Field Weights.

**To learn more about our innovative products, visit [BeaconAthletics.com/innovation](http://BeaconAthletics.com/innovation)**



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