

Break up compaction without destroying soil structure - the Bigham ParaTill® and V-Till offer versatile options for both total and zone loosening and removing hardpan!

This loosening improves water infiltration and drainage, encourages root development, and allows for deeper fertilizer placement.

The gentle lifting action leaves topsoil and subsoil layers intact, minimizes clods, and leaves valuable residue on the surface.

- Improves root environment by loosening soil to depth of 12" to 17". It breaks hardpan uniformly while restoring the soils pore system. Spring rainfall can be absorbed, excess moisture drained away and groundwater becomes accessible to roots during dry periods.

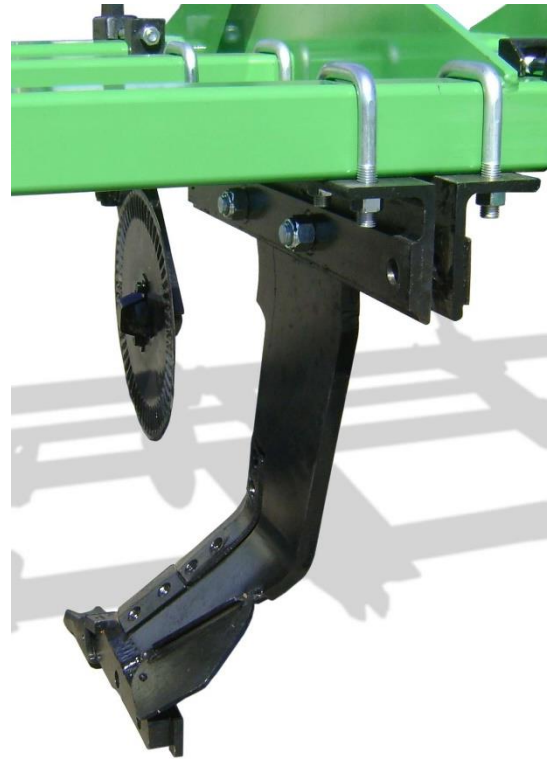
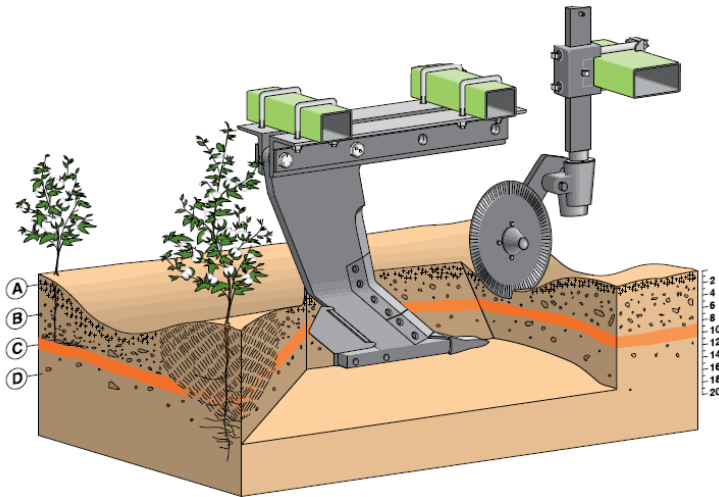


ParaTill & V-Till



Our difference is in the award winning leg design - angled 45 degrees to the side at working depths of 12" to 17" to gently lift the soil, allowing it to fracture along its natural planes of weakness and then settle back again.

- Placement of legs on centers of 20" to 28" provides overall loosening across the entire field. In addition, the legs can be spaced from 24" to 40" for Zone Loosening of row crops.



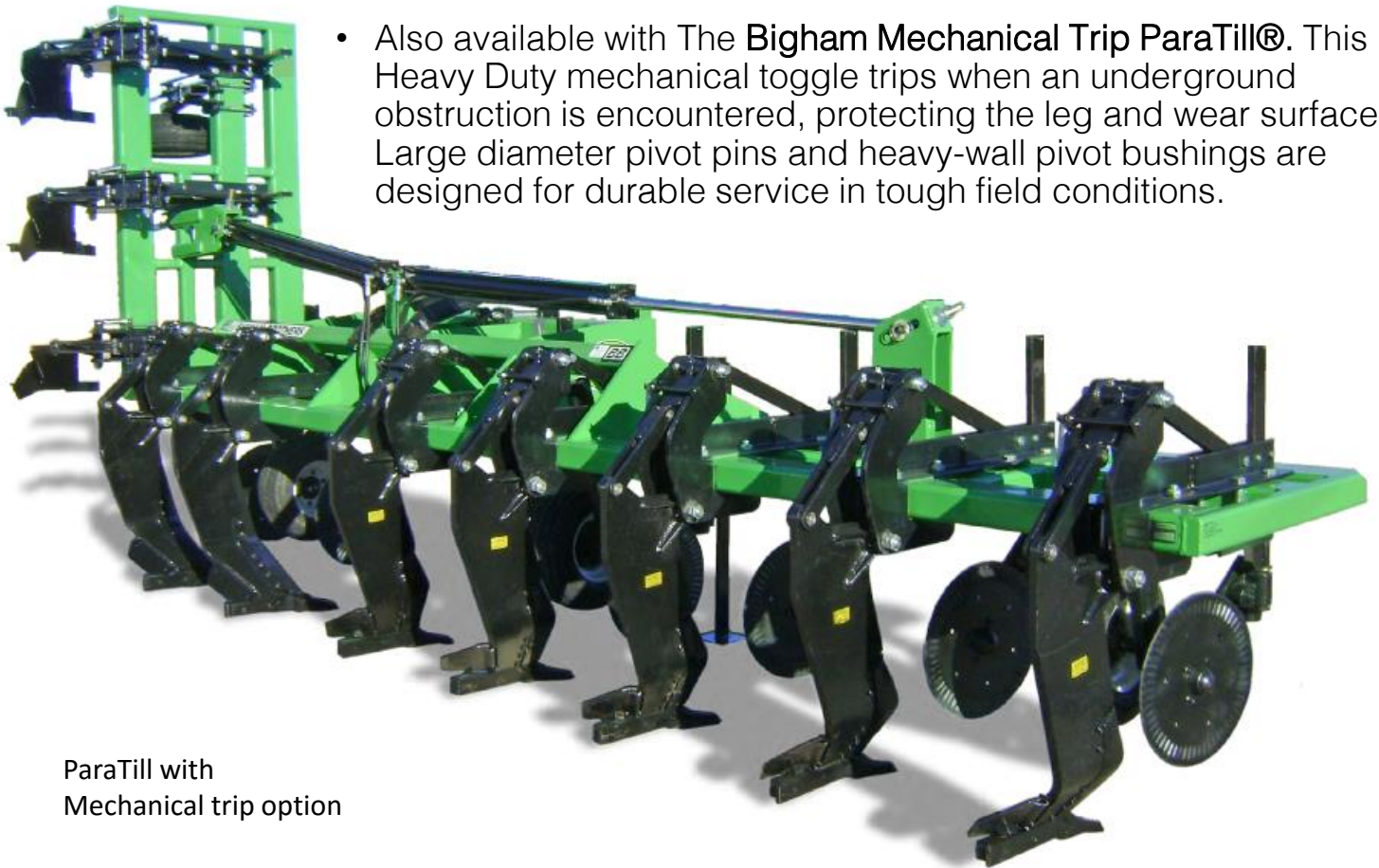
Side by side comparison shows large clods and a poor surface condition (right side) caused by a conventional ripper plow. By contrast, the ParaTill® has left very little surface disturbance (left side)

- A) **Crust:** Soils within the top 2" of the soil profile may be compacted. Heavy rains, hailstorms and surface drying can help form a hard crust in the top layer of soil.
- B) **Partially Compacted Mid-soil:** This soil working zone from 1" to 10" in depth may become compacted or partially compacted due to a wide variety of traffic and tillage practices.
- C) **Hardpans:** In most cases this barrier to subsoil is found from 6" to 12" below the surface.
- D) **Subsoil:** Loosening soil layers A through C allows moisture and root systems to penetrate into the subsoil.



ParaTill

- The ParaTill comes with standard features and available options to ensure either total and zone loosening and hardpan fracture
- Heavy duty diamond mast frame has 4 x 7 x 3/8" tube on the front bar. Heavy Category III wide hitch is standard on all models.
- Spring loaded swivel coulter with fluted blade provides up to 1200 pounds of residue slicing pressure.
- Each Leg is protected by six high quality replaceable wear surface parts.
- Screw Jack Gauge Wheels and 1 x 3" shanks with clamps (for bedding tools on the back bar) are included with selected models.
- Also available with The **Bigham Mechanical Trip ParaTill®**. This Heavy Duty mechanical toggle trips when an underground obstruction is encountered, protecting the leg and wear surfaces. Large diameter pivot pins and heavy-wall pivot bushings are designed for durable service in tough field conditions.



ParaTill with
Mechanical trip option

ParaTill & V-Till



V-Till® and Super Duty V-Till®

- Angled-leg subsoiling in a Vee-frame package.
- The V-Till® offers an affordable alternative for those low-residue tillage applications that require total loosening and do not need coulters. Bigham combines the proven advantages of tillage with award-winning ParaTill Legs and a popular frame style.
- Super Duty V-Till® excels in high horsepower applications. We recommend the Super Duty V-Till® for Tractors rated at 250HP and above.
- Proven tillage with award winning ParaTill® Legs that bend soil layers to loosen without clodding or destroying subsoil structures.

Bigham V-Till



Bigham Super Duty V-Till



Your Bigham Representative:

