

SUB-SOILER

VERTICAL TILLAGE

MODELS: SS1300 | SS1310 | SS1700 | SS1710 | SS1800 | SS2000

Designed for deep vertical tillage, the Great Plains Inline Sub-Soiler shatters yield-robbing compaction layers created by horizontal tillage tools such as plows, disks, and sweep implements. With a working depth of 12" to 16", this fall tillage tool resets the soil profile and maintains uniform soil density with minimal topsoil disturbance and no residue burial.

The Sub-Soiler's frame features high-tensile, 3/8" wall tubing for added strength and durability. Units are available in 24", 30", 36", 38", or 40" shank spacings. Shanks

range in number from 3 on 30", 36", 38", and 40" spacing up to 12 on 24" spacing. Choose from two shank options: 3/4" and 1 1/4". The 3/4" no-till shank and no-till point provide maximum shatter with minimum surface disturbance. The 1 1/4" straight leg shank creates more surface disturbance for minimum tillage. To achieve the full benefits of vertical tillage, it is important to select a point design that promotes horizontal fracture without blowout. The Sub-Soiler is offered with several different point options to fit a variety of conditions and needs.



FEATURES & BENEFITS

- **24" and 30" Shank Spacing Options** - The industry standard 30" shank spacing requires 13" to 15" operating depth to achieve uniform lateral fracture of the soil. Because some producers are limited to 10" to 12" working depth, the 24" shank spacing option ensures uniform lateral fracture at shallower working depths.
- **Choice of Auto-Reset or Shear Bolt Shank Mounts** - With 3000 lb. trip force, the Auto-Reset Shanks provide stop-free operation in areas where sub-surface obstructions exist. Alternatively, the Shear Bolt Mounts provide obstruction protection at a lower purchase cost than the Auto-Reset Shanks.
- **2 Different Shank Options** - Options include a 1¼" Straight-Legged Shank or a ¾" No-Till Shank. The no-till shank is not as aggressive as the straight-legged shank in turning the soil over and covering residue. In most soil conditions, the no-till shank only leaves a shank slot exposed on the soil surface and shows a gentle uplifting of the earth between shanks. Therefore, it should be used where less ground disturbance is desired. Replaceable wear shins are standard for either shank option.
- **Point Options** - Points for the 1¼" Straight-Legged Shanks are available in 2" or 7" widths, and with or without fins (fins maximize blowout). The 2"-wide point is the least aggressive, while the 7"-wide point is the most aggressive and is used to cover more residue. A no-till point that is approximately 10" wide is used with the ¾" No-Till Shank. The no-till point minimizes surface disturbance and maximizes soil-structure-shatter below the surface. It also increases the amount of exposed surface residue and buries very little trash.
- **Optional Berm Conditioners** - With 1" solid rods, the 16"-diameter berm conditioners mounted to each shank help provide a level surface, enabling single-pass seedbed preparation.



STANDARD EQUIPMENT

- 20" heavy-duty utility coulters
- Cat. III, Cat. IIIN, or Cat. IV hitch
- Adjustable gauge wheel with jack
- SMV sign
- LED safety lighting
- Replaceable wear shins
- 39" of underframe clearance
- High-tensile tubing
- Rigid or Auto-Reset shanks

OPTIONAL EQUIPMENT

- Berm conditioner
- Inline hitch
- Sub-Soiler hitch
- Extension kits (SS1300, SS1310, SS1700, and SS1710 only)

Sub-Soiler	SS1300	SS1310	SS1700	SS1710	SS1800	SS2000
Recommended Use	Primary Tillage					
Shank Spacing	24", 30"	36", 38", 40"	24", 30"	36", 38", 40"	30", 36", 38", 40"	24", 30", 36", 38", 40"
Tillage Width	7' 6" - 16'		15' - 23' 4"		17' 6" - 20'	20' - 25' 4"
Transport Width	11' 2" - 16' 5"		13' 4" - 21' 2"		12' 9" - 13' 1"	12' 9" - 15' 5"
Transport Height	N/A					
H.P. Requirements	150+		250+		300+	350+
Weight (lbs)* No-Till Shank Auto-Reset	2,339 - 3,778	3,140 - 5,914	2,925 - 4,148	4,260 - 6,408	4,850 - 5,125	5,840 - 7,400

Specifications are subject to change without prior notification. Images may or may not depict current production models.

*Approximate maximum weights with attachments