

Unverferth® Tillage

Zone-Builder® Subsoiler



Zone-Builder® Subsoiler: ***Deep-till legroom for your crops***

Yields suffer when compaction prevents plant roots from growing freely throughout the soil in search of moisture and nutrients. The Unverferth Zone-Builder® subsoiler lets plants stretch their legs (and their roots) by opening passageways through hardpan with minimal soil surface disturbance.

Zone-Builder® subsoiler models 132, 122, 112

Zone-Builder® Subsoiler: **Deep-Till Legroom For Your Crops**

Tillage needs can change. That's why the Unverferth Zone-Builder® subsoiler is specifically designed to be customized to meet your individual changing soil conditions.

The Zone-Builder subsoiler models 132, 122 and 112 handle the toughest soil conditions imaginable with ease. Each model is constructed with heavy-duty shank pull-arms, cast points and wearbars for extended durability and design enhancements for greater serviceability and user-friendliness.

The double-frame, all-welded construction with 6"x 6" rear bar has exceptional underframe clearance of 38" for improved residue flow. The powder-coat finish of tractor red or green provides a long-lasting, corrosion-resistant finish.

The Zone-Builder subsoiler is available in 2 through 10-, 12- and 16-shank models on 30" spacings. The design of the tool allows customers to position shanks on several row spacings from 20" to 40".



Wraparound steel points



Front coulter



Hourglass-shape wearbar



Low-disturbance shank style

- Wearbars extend the full shank height for optimal protection regardless of working depth
- 3/4"-wide design shatters hardpan up to 20" deep
- Heat-treated cast invertible wearbar with hourglass design (narrower at center) for easily slicing through soil with minimal disturbance to the soil surface
- Heat-treated, austempered steel points for greater life
- 1 3/4" raised-center point with tapered design for less soil disturbance at higher speeds
- Exclusive boot-style point design surrounds shank base for greater stability and extended life

Front coulters

- Coulters are positioned directly ahead of shanks for optimum residue flow
- 1,500 lbs. of downpressure easily cuts through the heaviest residue
- Blades ride on 6-bolt hub for extra durability
- Two heavy-duty tapered roller bearings protected with triple-lip seals, O-rings and recessed hub caps with retaining rings for long-term, trouble-free use
- Pick your choice of 20" rippled or 24" straight blades to match soil conditions

Model 132

- Field-proven auto-reset shanks with up to 6,000 lbs. trip force specifically designed for use in rocky, lighter soils
- Features wider, heavy-duty cast pull-arm for greater stability and strength



Model 132



Model 122

Model 122

- Designed for use in extremely tight soils
- Spring-cushioned reset features cast-iron shank mounting clamp for increased holding power or toolbar clamping
- Shanks feature 20" vertical travel and maintain 5,040 lbs. of point-load throughout the trip cycle

Model 112

- Best suited for use in rock-free fields and loose soils
- Shear-bolt-protected trip design with specially designed shank-mounting bracket for easily accepting rear-mounted strip-builder attachments
- Shear-bolt protection provides 7,500 pounds of shear pressure



Model 112

Zone-Builder® Subsoiler: *Legroom For Your Crops*

Tillage with a Purpose



Hardpan or a compaction zone reduces potential crop yield because it prevents plant roots from accessing soil moisture and nutrients beneath the pan. Limiting that access means plants are more subject to the stresses of drought and excess soil moisture.

A subsoiling operation with the Zone-Builder® subsoiler helps shatter hardpan and creates openings through which plant roots can grow and thrive.



Stabilizer wheel

- Tool-free adjustability for greater versatility from field to field
- Mounts on the ends of the mainframe (outboard) or onto the rear mainframe between the shanks (inboard)
- Rigid-frame models are equipped with new, 8-ply 7.60 x 15 tires; folding 6-10-shank models have 8-ply 9.5L x 15 tires, and 12- and 16-row models have 10-ply 12.5x15 tires



Accessories

All models can be equipped with a wide variety of shank-mounted attachments and productivity-enhancing options for tailoring the Zone-Builder subsoiler to your specific needs.

Row markers

- Shear bolt-protected with notched blades for leaving a highly visible mark and durability
- Vertical-fold markers are available on 4- to 6-row models
- Bi-fold markers, which fold flat, are available for 8- to 10-row models
- 12- and 16-row models can be equipped with flat-stacking trifold markers



Row markers

Pull-type conversion

- Tongue easily attaches at the 3-point hitch connection
- Implement operating depth controlled by two rephase hydraulic cylinders (four cylinders for 12-shank models); mechanical stops ensure consistent depth control
- Lift wheels positioned behind frame between shanks for optimum depth control and weight balance
- 4- to 8-shank models have option for positioning dual wheels in front of frame



Pull-type hitch



Implement Caddy

- Tractor-style, Category III 3-point hitch for easy, one-person hookup
- Pull-through design with all-welded 4"x 8" tubular steel frame for maximum strength
- Available in model 300 for up to 6-shank Zone-Builder models, or model 500 for up to 9-shank Zone-Builder subsoilers
- Dual wheels with 9.5L x 15 tires on model 300 and 12.5 x 15 tires on model 500 for greater flotation and enhanced durability
- More than 34 inches of vertical-lift travel for transport clearance
- For 10-, 12- and 16-shank models, a pull-type add-on hitch is available



Implement Caddy

Pull-hitch

- Available for towing anhydrous tanks or other fertilizer carriers up to 14,000 lbs. gross vehicle weight and 1,000 lbs. of tongue weight
- Length adjusts from 90"-117" and up to 30" of vertical height adjustment with turnbuckle operation
- Optional vertical height control for models with an even number of shanks



Pull-hitch

Rolling Harrow® conditioner

- Optional Rolling Harrow® conditioner chops and evenly distributes residue for faster soil warm-up and more even emergence
- Complete, self-contained unit across the entire width of the Zone-Builder subsoiler for 3- to 9-shank units
- Field-proven, angled, scalloped blades are designed specifically for aggressive residue-cutting and chopping action
- Solid-steel, 1-inch-diameter center shaft and spring-adjusted downpressure ensures level, consistent operation



Rolling Harrow conditioner



Spiked drum leveler

Spiked drum leveler

- 13"-diameter cleated roller with 3"-tall spiraled drive lugs propels the roller for maximum leveling, aeration and firming in low-residue applications
- Fits models 112 and 132 in 4-8 shank widths

Zone-Builder® Subsoiler: *Legroom For Your Crops*

Accessories (cont'd)



Easy-adjust coupler

Easy-adjust coupler

- Easy, one-person adjustment for raising and lowering coupler depth



Double front coulters

Double coulters

- Two additional coulters can be added between the standard single-coulters configuration. The double coulters option spaces coulters every 10" for greater residue sizing and flow



Shank-stagger kit

Shank-stagger kit for increased residue flow

- Shank-stagger kit increases residue flow and reduces tractor-horsepower pulling requirements



Strip-Builder

Strip-Builder attachments

- The Strip-Builder attachment creates areas of raised, mulched soil for faster warm-up and earlier planting
- Parallel-linked, spring-tension adjustment easily set for smooth and consistent blade penetration
- Tillage is both width and depth adjustable and can be equipped with a variety of wavy blades, concave blades in choice of smooth or notched
- The 15"-wide Rolling Harrow® basket features scalloped, angled blades to chop and evenly distribute soil and residue. A straight blade harrow for more leveling action or concave blade for bed building are available

Zone-Firmer press wheels for leveling

- Zone-Firming attachments provide additional smoothing and leveling operation to seal the slot. Available with individual 13"-wide, 3-section press wheels, or lead angle press wheels followed by 14"-wide, 4-section press wheels



Zone-Firmer



Fertilizer attachments

- Dry fertilizer tube attachments also feature shank protectors and are left- or right-hand mounted
- Fertilizer injectors for anhydrous ammonia and liquid fertilizer easily attach to rear of the shank and include shank protection



Liquid fertilizer shank attachment



Dry fertilizer shank attachment

Shatter wings

- Optional shatter wings can be mounted at either of two locations on the shank for increased soil and hardpan fracturing
- Wings can be set from 0- to 14-degree slope to match the desired level of fracturing



Shatter wings

Shank protector

- Optional ¼" - thick, abrasion-resistant steel shank protector kits add to shank life



Shank protector

Specifications

Zone-Builder® Subsoiler					
Model	Approximate Weight (lbs.)			Transport Width	
	132 auto-reset	122 spring-cushioned reset	112 shear-bolt protected	Stabilizer wheels outboard	Stabilizer wheels inboard
2-shank	1,610	2,088	1,440	—	8'2"
3-shank	2,403	2,826	2,167	—	8'2"
4-shank*	2,896	3,460	2,568	11'4"	8'4"
5-shank*	3,393	4,098	2,983	13'10"	10'11"
6-shank*	4,001	4,847	3,509	16'6"	13'6"
7-shank*	4,563	5,540	3,978	19'	16'
7-shank folding	5,353	6,340	4,778	16'5"	—
8-shank*	5,161	6,289	4,505	21'6"	18'6"
8-shank folding	5,960	7,088	5,260	15'6"	—
9-shank folding	6,530	7,799	5,780	16'5"	—
10-shank folding	7,150	8,560	6,300	15'6"	—
12-shank folding	8,490	10,182	7,440	15'6"	—
16-shank folding	11,730	—	10,680	19'8"	—

Note: For rigid models with vertical row markers, add 1'7" to transport width with stabilizer wheels outboard. Transport width of 8-shank is 21'4" when equipped with bi-fold markers.

*Stabilizer wheels can be mounted on the ends of the mainframe (outboard) or onto the rear mainframe between the shanks (inboard).

See your Unverferth dealer today or check our website at www.umequip.com for complete details on the Zone-Builder subsoiler and customizing it to your specific needs.

Due to continuing improvements in the design and manufacture of all Unverferth products, all specifications contained herein are subject to change without notice.

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