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: 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.

**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.
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.

**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
- Pick your choice of 20” rippled or 24” straight blades to match soil conditions
- Cast coulter mounting clamps feature bi-directional clamping for keeping the blade in line with the shank for minimal soil disturbance
- 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

**Low-disturbance shank style**
- 3/4”-wide design shatters hardpan up to 20” deep
- 1¾” raised-center point with tapered design for less soil disturbance at higher speeds
- Full-length 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
- Exclusive boot-style point design surrounds shank base for greater stability and extended life

**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 122**
- Designed for use in extremely tight and rocky soils
- Spring-cushioned reset features cast-iron shank mounting clamp for increased holding power
- 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
Frame
- Double-frame, all-welded construction with 6”x 6” rear bar
- Exceptional underframe clearance of 38” for improved residue flow
- Powder-coat finish of tractor red or green provides a long-lasting, corrosion-resistant finish
- Available in 2- through 10-, 12- and 16-shank models on 24”, 30”, 36” and 38” spacings, depending on model
- Unique implement design allows shank positioning on variable row spacings from 20” to 40”

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.

Strip-Builder attachments
- Create 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 13-wave, 18” smooth concave or 18” notched concave blades
- Leveling options include Rolling Harrow® baskets with straight or concave serrated blades, or 16” wide press wheels

Zone-Firmer press wheels
- 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 16”-wide, 4-section press wheels
**Implement Caddy**
- Available in model 300 for up to 6-shank Zone-Builder models, or model 500 for up to 9-shank Zone-Builder subsoilers
- 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
- 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

**Pull-type conversion**
- Easily attaches at the 3-point hitch connection on 10-, 12- and 16-shank models
- Implement operating depth controlled by rephase hydraulic cylinders; mechanical stops ensure consistent depth control
- Lift wheels positioned behind frame between shanks for optimum depth control and weight balance

**Rolling Harrow® conditioner**
- Available in either 16”- or 12”-diameter baskets
- 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
- Spring-adjusted downpressure ensures level, consistent operation to follow the ground contour

**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

**Double front coulters**
- Can be added between the standard single-coulter configuration. The double coulters option spaces coulters every 10” for greater residue sizing and flow.

**3-pt. lift assist**
- For easier raising and lowering of implement.

**Shank-stagger kit**
- Increases residue flow and reduces tractor-horsepower pulling requirements.

**Row markers**
- Shear bolt-protected with notched blades for leaving a highly visible mark.
- 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 trifolds markers.

**Rear 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 hydraulic vertical height control for models with an even number of shanks.
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

Shatter wings
- Can be mounted at either of two locations on the shank for increased soil and hardpan fracturing
- Wings in 7” or 9” widths can be set from 0- to 14-degree slope to match the desired level of fracturing

Shank protector
- Optional ¼”- thick, abrasion-resistant steel shank protector kits add to shank life
## Specifications

### Zone-Builder® Subsoiler with 30” Spacing

Horsepower requirements of 20-40 per shank.

<table>
<thead>
<tr>
<th>Model</th>
<th>Approximate Weight (lbs.)</th>
<th>Transport Width</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>132 auto-reset</td>
<td>122 spring-cushioned reset</td>
</tr>
<tr>
<td>2-shank</td>
<td>1,610</td>
<td>2,088</td>
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<tr>
<td>3-shank</td>
<td>2,403</td>
<td>2,826</td>
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<tr>
<td>4-shank*</td>
<td>2,896</td>
<td>3,460</td>
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<tr>
<td>5-shank*</td>
<td>3,393</td>
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<td>6-shank*</td>
<td>4,001</td>
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<td>7-shank*</td>
<td>4,563</td>
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<tr>
<td>7-shank folding</td>
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<td>8-shank*</td>
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<tr>
<td>8-shank folding</td>
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<td>10-shank folding</td>
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<td>12-shank folding</td>
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<tr>
<td>16-shank folding</td>
<td>11,730</td>
<td>10,680</td>
</tr>
</tbody>
</table>

For specifications on additional spacing options, please visit umequip.com.

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).

### Hitch Specifications

- **Rigid Frame** – All – Cat 2 std./quick, Cat 3 std., Cat 3 and 3 narrow quick
- **Folding models — 30” spacings** – Cat 3, Cat 3 QC, Cat 3 N QC, Cat 4 N QC
- **Folding models — 36”-40” spacings** – Cat 3, Cat 3 QC, Cat 3 N QC, Cat 4, Cat 4 QC, Cat 4 N QC

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.