YEAR AROUND VERSATILITY – Realize the Patriot's full hauling potential from season to season!

These are only but a few of the many products that can be hauled with the Patriot – See your Authorized Wilson Sales Representative!

The Patriot offers a smooth aerodynamic side wall design that reduces wind drag, increases fuel economy, and makes the trailer easier to pull. Lightweight and long-lasting aluminum construction allows for greater payloads, resists rusting, and is easier to maintain.
**Door Options**

The Patriot offers several door options, each with its own distinct advantages. The Side Swing Door with Hydraulic Lower Flip-up portion allows either the whole rear of the trailer to be open or the lower portion to direct flow of bruise sensitive products.

Hydraulic Top Hinge doors in several designs eliminate manual operations and allows unloading in confined areas. An optional hydraulic slider gate or lower flip-up portion can also be integrated.

The “Spud” door features a flip-up lower portion for unloading. The fold-down upper piler door allows a piler to load into the trailer through the rear. Conveniences include spring loaded slam-latches on the piler door that operate from the ground, easy access ladder and electric controls located within easy reach of the operator.

If high moisture products are intended to be hauled, a wet seal on the slide-up gate is available, sealing directly on the floor pan.

Ask a Wilson Sales Representative to assist you in determining the right door for your needs.

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**Popular Options**

- **Wet Seal on Slide-up Gate**
- **Aluminum Grain Funnel with optional Product Deflectors**
- **Fabric Grain Funnel includes aluminum storage box**
- **Removable Aluminum Side Extensions**
- **Flex Bows**
- **Product Deflectors**
- **Wiper Blocks**
- **Rear Facing Spot Lamps**
- **5 H.P. Electric/Hydraulic Unload System**
- **20 H.P. Gas Unload System**
- **Hydraulic Hoses**
- **Interior Light**
- **Cathedral Door and Optional Stainless Steel.**
- **Side Swing/Hydraulic Flip-up**
- **Spud Door/Upper Piler Door Plus Optional Tail Fin Extensions.**

---

**Belt Width Options**

Conveyors are available in 30", 36", 42", & 48" widths, each designed specifically to unload whatever products you intend to haul. Additionally, the ultra slippery HMW side liners on the diagonal slope sheets provide quick and smooth unloading of even the stickiest of products. An optional UHMW liner is also available for abrasive products like gravel. The standard UHMW free floating floor liner under the chain is designed to expand and contract freely with ambient temperature changes, extending the floor liner life. Larger diameter drive sprockets with additional teeth offers better chain engagement, assuring longer service of the conveyor chain and drive components.

**Conveyors**

- Ultra slipper HMW side liners on the diagonal slope sheets
- Optional UHMW liner for abrasive products
- Standard UHMW free floating floor liner
- Larger diameter drive sprockets with additional teeth

**Patents**

This vehicle is constructed under one or more of the following U.S. or Canadian patents: 329967, 2970861, 4153289, 4293158, 4277096, 4305694, 1105526, 4114944, and 4437699.

**Notices**

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Wilson Quality Aluminum Double Wall Hopper Bottom Trailers
DWH-500C Commander 41’ long, 96” wide

DWH-500 Pacesetter 43’ long, 96” wide

Shown with optional mud flap ahead of rear hopper and 2nd row of 5 lights in standard location.

Wilson’s two-piece lower hopper is standard with 2 stiffeners per side, plus corner bracing for a stronger hopper less prone to the bulge and sag which causes rivets to loosen and pop. The stiffeners also serve as handy knock rails for sticky product.

The sides are fastened using larger diameter rivets with 50% larger heads to produce a greater, more desirable shear strength. Combine this with the uniqueness of Wilson’s one-piece inside and outside wall skins and a state-of-the-art maximum side strength design is created.

Side vent ports, positioned between each set of side posts, allow the sides to breathe, extend the life of the side wall, and also serve as a useful inspection source.

Wilson is standard with aluminum landing gear braces. Bracing the landing gear to the “C” channel and not the slope sheet adds obvious strength. Also, bracing from the rear reduces obstacles for truck mud flaps to catch on and allows for greater swing clearance.

Even though our trailer models are subjected to strenuous testing at a test track before they are marketed, the ultimate evaluation is the continuous “field-testing” performed by our customers. Whenever and whenever you need it, the Wilson Pacesetter is designed to deliver the tested-tough durability you can count on.

The Wilson Commander is the first double-wall aluminum grain trailer with a sloped front and rear. It is available in all lengths, both widths and all suspension configurations. By owning a Commander, you’ll experience the reliability of a proven and tested design, rather than the trials of others attempting to duplicate it.
Wilson's larger tandem tubes, identical in size, provide more strength in the suspension area. The tubes are undercoated inside and vented to inhibit corrosion. All metal parts are coated with Corsol™ anti-corrosive metal treatment. For additional protection between dissimilar metals, Wilson adds a polymer material barrier to the connection areas of the assembly.

Full-length skin on the inside walls eliminates areas for material build-up that would otherwise add unnecessary weight in the suspension and king pin areas. The full-length inside skins play an important part in the structural integrity of the trailers – Structural integrity that is standard on every Wilson grain trailer.

Designed with low maintenance in mind, Wilson uses a dependable sealed wiring system backed by the industry’s best warranty. No excess or exposed wiring – It’s sealed and protected.

Wilson’s deeper front/rear channels add strength to the trailer’s design. Long-lasting LED lights are standard for all applications of the tail, turn, and clearance trailer lights.

Wilson’s open king pin area is designed to transfer the weight of the trailer’s load to the outside rails. The built-in strength of Wilson’s design eliminates the need for cross bracing and an “X” brace which would otherwise collect debris, add weight, and lead to corrosion. Cleaning and maintenance are easily performed with Wilson’s unobstructed access to the nose area; plus there is more clearance for suit frames when maneuvering over raised areas in and out of a field. All metal king pin components are coated with Corsol™ anti-corrosive metal treatment, plus a polymer material barrier between dissimilar metals.

Maintain proper strap tension with easy-to-access screw adjustment. Slotted bearing mountings simplify removal for servicing.

Eliminating the rack-and-pinion system and gear box helps to reduce the weight of a hopper equipped with standard-sized traps by as much as 85 lbs. Also, because a heavy rack-and-pinion casing is unnecessary, the clearance for a swing auger is increased. Steel parts are plated with zinc chromate to resist corrosion.

RRP traps with 2-speed gear boxes are used for larger sized doors, metering fertilizer and seed, and hauling sand and aggregate. RRP traps with direct drive are used for smaller doors and ag commodities. (Shown with standard steel door. Optional aluminum door is available.)
**Super-Lite**

Achieve Super-Light Weights by Adding Lightweight Aluminum Options. Depending on Configuration, Trailer Weights Can Be Near 7,500 Pounds!

<table>
<thead>
<tr>
<th>Aluminum Option</th>
<th>Approx. Weight Savings</th>
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<tbody>
<tr>
<td>Aluminum King Pin</td>
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<tr>
<td>Aluminum Tandem Sub-Frame</td>
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<td>3-piece Aluminum Wheels</td>
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<td>Aluminum Drop Leg Landing Gear</td>
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<tr>
<td>Duralite Hubs and Centrafuse Drums</td>
<td>100 lb.</td>
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</table>

**TRI-AXLE CONFIGURATIONS**

Weight restrictions and allowances vary greatly from state to state and country to country, therefore, when specifying a new trailer, it is very important to match the correct suspension to the type of load. Check with your local government for allowable weight limits. To the right are two popular tri-axle suspension configurations. Call your Wilson Sales Representative for the configuration that works best for you.

**SMART2™**

Order one or all of these great and reliable power options by Shur-Co® and control all of them with this one remote!

- The Shur-Co® SMART2™ is the only state-of-the-art remote offering two-way communication in an easy-to-read digital display with the feedback you need to run smarter and more efficiently.
- The SMART2™ remote operates electric tarps, electric hopper doors, lighting and more, then relays readily positioning. It even lets you specify exact positioning of your tarp and traps from over 100 feet away.

The transmission has a Built-in emergency brake, close the patent-pending flipylock and whatever operation is running stops immediately. Plus, no meal batteries to buy! The SMART2™ runs on a rechargeable lithium battery, and the charging cradle is included.

- The SMARTremote® has been upgraded to the SMART2™ to include up to 15% extra range and EXPRESS mode.
- Increased torsion arm strength and performance.
- The 4500 Series HD features a powerful American-made motor with an all-metal gearbox and an incredibly reliable magnetic brake. Rather than producing increased torque which can damage your tarp system, the patent-pending motor produces torque which has been optimized for the load.
- No electrical energy is used to actuate the brake, so there are no electrical connections to misfire. A patent-pending pivoting motor mount allows for any misalignment of the roll tube without stress to the motor or arms.
- The heavy-duty arms are the strongest in the industry – so strong, in fact, that they’re backed with a lifetime warranty. The roller bearing-style rear arm bracket has a low-friction design that won’t wear out. Both arms are inset to prevent obstruction of clearance lights.
- The SMARTremote® has been optimized for the load.
- The 4500 Series HD comes standard with a black DiamondCore™ tarp and is backed with a 24-month warranty - the best in the industry.

**PROTRAP™**

- The cleaner, faster, safer way to unload grain!
- Hopper doors slide open while the operator stands back, out of the dust.
- All-metal gears and housing (no plastic) handle the hard stops. High-efficiency planetary gear reduction and a breaker (built at the battery protect the motor - no need for unreliable limit switches that are easily damaged going through the field or by harsh road conditions. Motor has a 3-year warranty and 250 foot pounds of torque.

**MAXXTRAP™**

- Maximum clearance. Maximum value.
- (31” Roller Rack & Pinion Doors)

- Gain more swing auger clearance with less weight in your grain applications with the MAXXTRAP™. Its through-shaft motor with right angle 2-stage gearbox is mounted directly to the curb-side trap opener rail. The motor has a spring-loaded locking pin which allows the shaft to rotate freely for manual operation from the driver’s side. A 45” manual crank is included.) The side control for each hopper are mounted below the lower trailer rail in a moisture-resistant box. The motor carries a 3-year non-prorated warranty.

**LITEALL™**

- LED light with wireless remote system.

**Order Your New Wilson Grain Trailer Outfitted with Factory-Installed Shur-Co® Power Options**

- **SMART2™**
- **PROTRAP™**
- **MAXXTRAP™**

**Order (31” Roller Rack & Pinion Doors) for more information or go to www.shurco.com.**
**OPTIONAL EQUIPMENT**

**Hopper Options**
- Standard Clearance Hopper
- Ag Hopper
- Inside Hopper Round Bar Ladder
- Rear Chute for Third Hopper
- Hopper Vibrators
- Full-width belting between landing gear legs
- 48" wide one-piece mud flap in front of rear trap mounted to stiffener

**Light Options**
- Recessed Stop/Turn Lights in Rear Header
- Mounted Stop/Turn Lights on Rear Header
- Micro Nova Stop/Turn Lights on Rear Header
- Chrome Trim Rings and Clear LED
- Reverse Lights

**Front & Rear End Options**
- Stainless Steel Front
- Stainless Steel Rear
- I.C.C. Bumper
- Vent Cap with Roll Return
- Front Mud Flap Bracket
- D-Rings
- Double Rear Doors
- Pintle Hitch
- Rear Tarp Vent Cap
- Tarp Vent in False Header
- Rear Header

**Suspensions**
- Wilson offers a variety of suspension configurations: tandem, spread axle, tri-axle and quad axle. Talk with your Authorized Wilson Sales Representative about which suspension will work best for you.

**Vertical Splice Walls**
- In addition to the one-piece side wall, Wilson offers vertical splice side walls on 49" centers, for the Pacesetter and Commander models. Talk to your Wilson Sales Representative to specify on your order.

**Fender Options**
- Fender styles include Quarter, Full and Individual; material options include stainless steel, extruded aluminum or Polyethylene.

**Protection**
- Protect your trailer from road spray and grit, plus keep your suspension area cleaner with Wilson fender options.
Wilson Trailer designs and builds a variety of versatile commodity trailers. Whether hauling grain, mulch or even aggregate, the most advanced hauling equipment can be found with the Pacesetter and Commander lines of Wilson Trailer.

### Capacities

<table>
<thead>
<tr>
<th>Trap Size/Style*</th>
<th>Trailer Size</th>
<th>Water Level</th>
<th>Heaped 10°</th>
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<td>2,104</td>
<td>1,691</td>
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</table>

* AG = A g Hopper. STD = Standard Ground Clearance

Volumes were calculated using a 114” landing gear and a 49” spread tandem. Additional side heights of 96”, 102” as well as tri-axle and spread axle configurations are available.

A 501 model will add 5.5% in volume (for example: a 41'x96''x66'' with a 27”x31” AG trap would have a water level volume of 1,383 Cu. Ft. and a heaped volume of 1,545 Cu. Ft.). Ask your authorized Wilson Sales Representative for capacity information on any additional sizes.
Available Lengths, Widths and Heights

Here are a few of our popular side heights.

- 90”
- 84”
- 78”
- 72”
- 66”

LENGTH: Available in 18 Ft. through 53 Ft.
WIDTH: Outside overall: 96” nominal; 92” inside width. Outside overall width: 102” nominal; 98” inside width available as an extra cost option.
HEIGHT: Available in nine side heights: 66”, 72”, 78”, 84”, 90”, 96”, 102”, 108”, and 114”. Overall heights: 66” side = 126.5”, 72” side = 132.5”, 78” side = 138.5”, 84” side = 144.5”, 90” side = 150.5”, 96” side = 156.5”, 102” side = 162.5”, 108” side = 168.5”, & 114” side = 174.5” based on 48-1/4” fifth wheel height and 10” rise on tarp supports.

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