



# PERFECT BALANCE

QUALITY · DURABILITY · WEIGHT



WILSON QUALITY DOUBLE WALL HOPPER BOTTOM TRAILERS

Not all equipment shown is considered standard.



**Wilson  
TRAILER**

Since 1890... A Good Name to Have Behind You™



## PERFECT BALANCE

QUALITY DURABILITY WEIGHT

—Throughout the world there are certain products whose characteristics are harmonized so well together they bring about a sense of perfect balance. Wilson's Pacesetter and Commander models have acquired their perfect balance through quality, durability and weight.

**QUALITY** – Wilson's unmatched quality is well known throughout the industry and is a distinction the company has demonstrated since its founding in 1890. This renown quality translates into "true value" and a satisfying experience for the consumer.

**DURABILITY** – Expert engineering and precision manufacturing coupled with the use of the finest materials results in a trailer that will be persistently durable, have amazing performance, and nurture very low maintenance costs.

**WEIGHT** – Wilson Trailer has been successful in building trailers with some of the lightest weights attained by any. Wilson's wise use of lightweight aluminum components allows you to haul bigger payloads and bring in the profits!

Besides pulling the finest trailer on the road, Wilson trailer owners realize the best resale and trade-in values in the market. Wilson trailers are consistently the highest valued, most sought after trailers in the used trailer market.

# QUALITY, DURABILITY AND WEIGHT



### Imitated – Never Duplicated

Wilson's Commander model has been serving the grain hauling industry for many years. Notably, it was the first double wall aluminum grain trailer available with a sloped front and rear, and understandably since it is a Wilson, the Commander possesses the superior quality elements Wilson is known for. By owning a Commander, you'll experience the reliability of a proven and tested design, instead of the trials of others attempting to duplicate it.



Commander Aluminum Hopper Bottom



PaceSetter Aluminum Hopper Bottom

Not all equipment shown is considered standard.

## WILSON QUALITY DOUBLE WALL HOPPER BOTTOM TRAILERS





# FEATURES

Compare and inquire. See the value difference with Wilson!

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QUALITY • DURABILITY • WEIGHT



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



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.



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 trailer metal parts are now coated with CorSol™ anti-corrosive metal treatment and can be top coated with any liquid paint.



Designed with low maintenance in mind, Wilson uses a dependable sealed wiring system backed with the best warranty available in the industry. No excess or exposed wiring!



Full length inside skin on the side walls eliminates an area for material build-up in the tandem and king pin areas that would otherwise add unnecessary weight.



Wilson's deeper front/rear channels and side rails add strength to the design of the trailer.

Long lasting LED lights are standard for all applications of the tail, turn, clearance lights on the trailer.

## SAFETY

Wilson provides safety items like grab handles, non-skid step surfaces on ladders and walkways, safety decals, full-length conspicuity tape and an owner's manual with information on safe operation of the trailer.

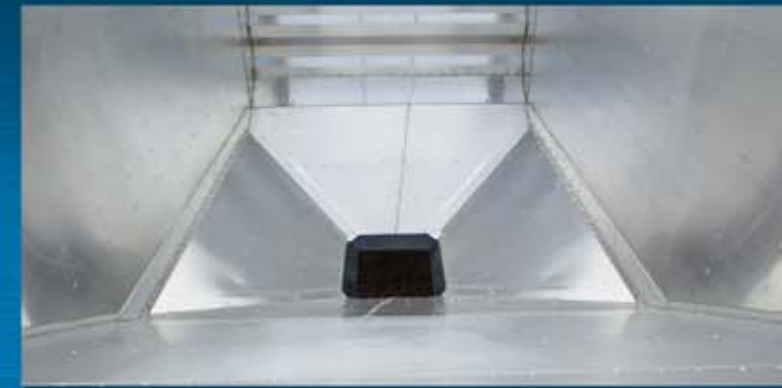
## ECONOMY, STYLING AND STRENGTH

The smooth side-to-front corner radius design made of polished stainless steel adds to the trailer's stylish looks and makes the trailer aerodynamically more efficient, therefore maximizing fuel efficiency and payload while minimizing your cost per load. The fuel savings realized over the trailer's longer lifespan adds to your bottom line and your value in the trailer. The smooth one-piece side skin available on our 66" and 72" side heights, has corrugations running the full length of the trailer, making the trailer more streamlined – Reducing the drag yields

more miles per gallon. The one-piece sides also provide greater strength and more flexibility in and out of the field. They are fastened with larger diameter rivets with 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.

## SMOOTH UNLOADING



Wilson's two-piece hopper design does not require any cross bracing. It unloads smoothly, quickly, and cleanly without any obstructions.

Wilson's rub rail has side vent ports positioned between each set of side posts. This keeps the side wall cavities clean, dry and also serves as a useful inspection source.



## KING PIN OPEN DESIGN CONCEPT

Wilson's open design King Pin area is designed to transfer the load weight to the side rails. With its strong, flexible, and clean design the cross bracing is eliminated which would otherwise collect debris, add weight, and lead to corrosion. Unobstructed access to the nose area allows for much easier cleaning and maintenance, plus there is more clearance for truck frames when maneuvering over raised areas.

Notice the continuation of the standard full length inside skin on the side walls. A much cleaner way to haul.







## THE "ORIGINAL" ■ PATENTED EASIEST OPENING TRAP



- Easy-Spin Open & Close
- Double Sealed
- Lightweight
- Corrosion Resistant & Low Maintenance



Wilson's "original" and patented RollerTrap is standard on all Wilson hopper bottom trailers. It has been field tested and proven since 1996 to be the easiest to use and maintain in the industry.

This unique hopper trap seals more effectively, yet is very easy to operate. Twin sets of flexible straps pull the door open and closed with little effort. The trap door glides on two sets of nylon rollers with stainless steel bushings—no lubrication required and they are not affected by moisture corrosion issues! A flexible skirt overlaps the inside opening where commodity applies pressure onto the skirt to prevent leaks. Seals below the skirts are compressed against the entire circumference of the aluminum trap door due to the wedged door design. The result is a tightly sealed trap, plus the RollerTrap's stainless steel trap frame and aluminum door put an end to corrosion concerns.

Eliminating the rack-and-pinion system and the gear box helps to reduce the weight of a hopper equipped with standard sized traps by as much as 85 lb.

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

The RollerTrap's design leaves virtually no obstructions below the trap frame. This means "true" high ground clearance for auger use.



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Wilson's aluminum king pin saves weight, maintains a clean, open design and evenly transfers the load to the outside rails.



Four aluminum wheels with wide-based tires can reduce weight by as much as 400 pounds.



Depending on the suspension specification, an aluminum sub frame can save approximately 300 pounds over a steel sub frame.

PaceSetter COMMANDER **SUPERLITE**

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

Lightweight aluminum options added to the Pacesetter and Commander models greatly reduce the trailer's overall weight, allowing you to haul greater payloads. For instance, an optional aluminum king pin and sub frame together will save approximately 600 lb. over their steel counterparts. Add four optional aluminum wheels with wide-based tires instead of eight steel wheels and tires to save an additional 400 lb.

An optional aluminum drop leg landing gear will save 110 lb. from the standard landing gear, plus Duralite hubs and centrifuse drums will net an additional 100 lb. in weight savings.

Not only do these aluminum options reduce weight, they will add longevity to the trailer and reduce maintenance costs. A lighter trailer that hauls more payload and lasts longer for less cost is definitely a true value!



**LIGHTER WEIGHT – MORE PAYLOAD**

**Wilson**  
**TRAILER**  
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# OPTIONAL EQUIPMENT

## LIGHT OPTIONS



Recessed or Surface Mount Stop/Turn Lights in Rear Header



Chrome Trim Rings



Unloading Spot Lights



Reverse Lights

## HOPPER OPTIONS



Wilson's optional "True" High Ground Clearance is 21" versus the Standard Clearance of 17".



2-Speed Rack & Pinion Trap



Hopper Vibrators



Full Width Belting Between Landing Gear Legs



Remote Controlled Electric Trap Opener with Remotes



48" Wide One-Piece Mud Flap in Front of Rear Trap Mounted to Stiffener



Dual Trap Openers



Inside Hopper Ladder



Rear Chute for Third Hopper

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## FRONT AND REAR OPTIONS



Electric Roll Tarp and Optional Solar Power



Stainless Steel Front



Stainless Steel Rear



I.C.C. Bumper



Fold Down Rear Ladder



Vent Cap with Roll Return



Rear Tarp Vent Cap



D-Rings



Tarp Vent in False Header



Front Mud Flap Bracket



Double Rear Doors

## SUSPENSIONS



"C" Style Aluminum Subframe – CB2300



HT 230



Aluminum I-Beam



INTRAAX AA-230



Tri-Ax/Lift Suspension

Hundreds of options and configurations are available. Have your Wilson Authorized Sales Representative help you find the right options for the right need.

PaceSetter COMMANDER

## VERTICAL SPLICE SIDE 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 trailer sales representative to specify on your order.



Side Window



Air Gauge Window

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# ADDITIONAL MODELS



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.



Pacesetter Quad Axle Hopper



Pacesetter Super-B Train



Pacesetter A-Train Doubles



Pacesetter Walking Floor Trailer



Pacesetter Tri-Axle Hopper



Commander with Optional Black Sides



Pacesetter Spread Axle Hopper



# CAPACITIES

Trap Size / Style*	Trailer Size LxWxH	Water Level		Heaped 10"	
		Cu.Ft.	Bushels	Cu.Ft.	Bushels
27"x31" / HGC	34'x96"x66"	1,153	926	1,285	1,032
27"x31" / HGC	37'x96"x72"	1,260	1,012	1,392	1,118
27"x31" / HGC	39'x96"x66"	1,258	1,011	1,401	1,126
27"x31" / HGC	39'x96"x72"	1,384	1,112	1,530	1,229
27"x31" / STD	41'x96"x66"	1,390	1,117	1,541	1,238
27"x31" / HGC	41'x96"x66"	1,316	1,057	1,467	1,179
27"x31" / STD	41'x96"x72"	1,523	1,224	1,677	1,347
27"x31" / HGC	41'x96"x72"	1,449	1,164	1,603	1,279
27"x31" / STD	41'x96"x78"	1,702	1,367	1,863	1,497
27"x31" / HGC	41'x96"x78"	1,629	1,309	1,790	1,438
27"x31" / STD	43'x96"x66"	1,450	1,165	1,609	1,293
27"x31" / HGC	43'x96"x66"	1,364	1,096	1,523	1,224
27"x31" / STD	43'x96"x72"	1,591	1,278	1,753	1,408
27"x31" / HGC	43'x96"x72"	1,504	1,208	1,666	1,338
27"x31" / STD	43'x96"x78"	1,771	1,423	1,939	1,558
27"x43" / STD	43'x96"x72"	1,635	1,314	1,797	1,444
27"x43" / HGC	43'x96"x72"	1,557	1,251	1,719	1,381
27"x43" / STD	43'x96"x78"	1,823	1,465	1,993	1,601
27"x43" / HGC	43'x96"x78"	1,745	1,402	1,915	1,538
27"x43" / STD	43'x96"x84"	1,980	1,591	2,149	1,726
27"x43" / HGC	43'x96"x84"	1,902	1,528	2,071	1,664
27"x43" / STD	45'x96"x78"	1,829	1,469	2,006	1,672
27"x43" / HGC	45'x96"x78"	1,777	1,428	1,952	1,569
27"x43" / STD	45'x96"x84"	2,060	1,655	2,237	1,797
27"x43" / HGC	45'x96"x84"	1,973	1,586	2,150	1,728
33"x31" / STD	43'x102"x66"	1,549	1,244	1,719	1,381
33"x31" / HGC	43'x102"x66"	1,458	1,171	1,628	1,308
33"x31" / STD	43'x102"x72"	1,699	1,365	1,872	1,504
33"x31" / HGC	43'x102"x72"	1,606	1,290	1,779	1,429
33"x43" / STD	43'x102"x78"	1,947	1,562	2,128	1,710
33"x43" / HGC	43'x102"x78"	1,862	1,496	2,043	1,641
33"x43" / STD	43'x102"x84"	2,114	1,699	2,270	1,824
33"x43" / HGC	43'x102"x84"	2,028	1,630	2,207	1,774
33"x43" / STD	45'x102"x78"	2,075	1,667	2,263	1,818
33"x43" / HGC	45'x102"x78"	1,917	1,541	2,117	1,701
33"x43" / STD	45'x102"x84"	2,200	1,767	2,389	1,919
33"x43" / HGC	45'x102"x84"	2,145	1,724	2,344	1,884
Canadian Spec					
27"x24" / HGC	37'x102"x78"	1,524	1,224	1,670	1,341

\* HGC = High Ground Clearance. STD = Standard Ground Clearance  
Additional side heights of 90", 96", and 102" as well as tri-axle and spread axle configurations are available. A 501 model will add 5-1/2% in volume (for example: a 41'x 96"x66" with a 27"x31" trap would have a water level volume of 1,457 Cu. Ft. and a heaped volume of 1,617 Cu. Ft.). Ask your authorized Wilson Sales Representative for capacity information on any additional sizes

Wilson's capacities reflect the best you will find anywhere. Wilson is the leader in providing the most functional trailers with the greatest payloads in the industry.



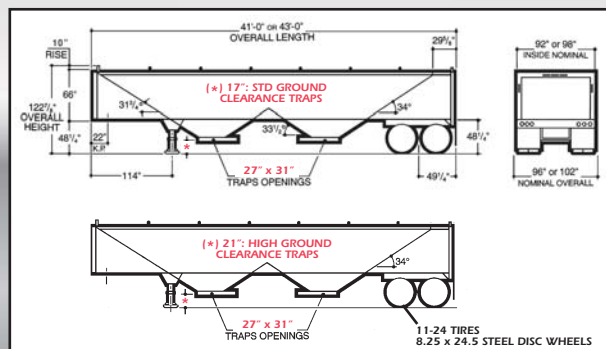




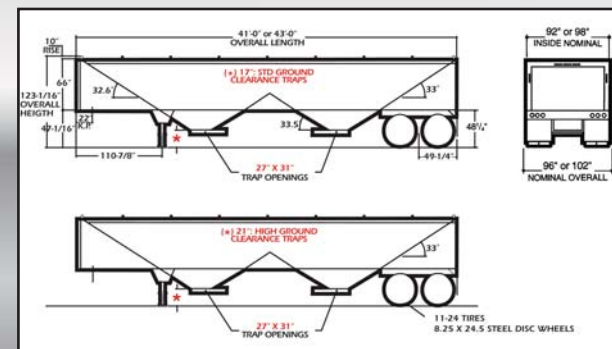
- Unmatched Quality
- Persistent Durability
- Light Weights

## DIMENSIONS

Dwh 500



Dwh 501



## SPECIFICATIONS

The Most Frequently Requested Features are Standard with Wilson

**LENGTH:** Available in 18 Ft. through 53 Ft.

**WIDTH:** Outside overall: 95-3/4"; 92" inside width. Outside overall width: 101-3/4"; 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 = 124-1/4", 72" side = 130-1/4", 78" side = 136-1/4", 84" side = 142-1/4", 90" side = 148-1/4", 96" side = 154-1/4", 102" side = 160-1/4", 108" side = 166-1/4", & 114" side = 172-1/4" based on 48-1/4" fifth wheel height and 10" rise on tarp supports.

**KING PIN:** Standard king pin setting is 22"

**LANDING GEAR:** Two-speed, Holland Atlas. Located 92" from king pin on 22" king pin setting.

**FRONT:** 5-5/8" radius corners with stainless steel front corner covers, pre-painted .050 aluminum front skin, single wall construction with extruded aluminum vertical Z-type posts, corner sections, lower front finish rail. Ladder assembly and short catwalk. Two grab handles on header.

**SIDES:** Double wall construction; one-piece or vertical splice on 48" centers .050" pre-painted aluminum outside skin; extruded aluminum Z-type posts; one-piece inside skin. Drain port in rub rails between each side post.

**REAR END:** Single wall construction. Rear skin is smooth, pre-painted white, with 5 extruded aluminum Z-posts. 2-piece extruded aluminum rear bumper. Ladder assembly and short catwalk. Stirrup step attached to bottom of the rear bumper. 2 grab handles on header.

**BINDER BARS & TARP SUPPORTS:** 7 permanent arched aluminum tube binder bars with front and rear at 10" rise. Two nylon 1" wide straps, spaced on 22" centers at center of trailer, serve as tarp supports.

**LOWER HOPPERS:** Two structurally integrated lower hoppers with extruded aluminum corners and 39-1/4 degree slopes on the side, and 33-1/2 degree slopes on the front and rear are standard. Hoppers have extruded aluminum stiffeners; 2 stiffeners on the front and rear, and 2 stiffeners on the sides. Hoppers are divided equally by a hopper center divider.

**HOPPER TRAPS:** Two aluminum RollerTrap assemblies have 27-1/8" wide x 31-1/4" long openings. Additional sizes available.

**TRAP ASSEMBLY GROUND CLEARANCE:** The standard ground clearance of the trap assemblies is 17" on 11 x 24.5 tires. High ground clearance traps at 21" are available.

**TRAP OPENERS:** Each trap is opened and closed manually through rollers and twin sets of flexible belts and removable crank on driver's side.

**TARP:** Roll tarp with aluminum caps is available as an extra cost option.

**MUD FLAPS:** Black rubber anti-spray type are standard.

**LIGHTS:** System: 12 volt I.C.C. lights with 7-way connector and wiring harness is standard. Two groups of three individual LED red STOP & TURN tail lights are factory sealed. Sealed LED clearance lights have rectangular polycarbonate (Grote Turtleback II) lenses. Combination LED flashing center marker for clearance and turning as standard.

**SUSPENSION:** H-9700 fabricated, under-mount, welded components with screw adjusted radius rods and 11,200 lb. rating two-leaf springs. Subframe: Steel longmembers and crossbars are standard; aluminum is optional. Haldex automatic slack adjusters are standard.

**AXLES:** Two: Meritor 5" round with 20,000 lb. rating each. Tandem Setting: 49-1/4" from rear bumper to center between axles. Track Width: 71-1/2" on 96" wide; 77-1/2" on 102" wide.

**BRAKES:** 16-1/2" x 7" x 5/8" double anchor pin, air brakes. Less dust shields. EF non-asbestos brake linings. Wabco; 2 sensor, 1 modulator.

**HUBS:** Dura-light hub using Axiloc spindle nuts with Federal Mogul hub cap.

**DRUMS:** Cast steel, outboard mount, with Federal Mogul oil seals.

**WHEELS:** Eight 8.25 x 24.5 white steel disc. 10 hole hub-piloted wheels are standard.

**TIRES:** Eight 11-24.5 Bridgestone R-196.

**FINISH:** All steel components are treated to retard rust, and painted with Black Corsol™ prior to installation. All aluminum components are left natural. Barrier tape used between all steel and aluminum parts.

**NOTICE:** All visual representations, dimensions, and specifications contained in this literature are based on the latest product information available at time of publication approval. The right is reserved to make changes in materials, equipment, design, specifications and models; and to discontinue models.

**PATENTS:** This vehicle is constructed under one or more of the following U.S. or Canadian patents: 329967, 2970861, 202879, 4153289, 4293158, 4277096, 4305694, 1105526, 4114944, 4437699, and 6085948.

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