A new twist for unloading convenience

When you're ready for the best, you're ready for Brent

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When you're ready for the best,
Brent Grain Cart Specifications: 82 Series

A new twist for unloading convenience

Experience the new twist in turret-style downspout unloading convenience found on the Brent 82-series grain carts. Manufacture for yourself. For complete details about all Brent grain carts, see your nearest Brent products dealer today.

**Clevis available**

**Tongue Weight,**—

- Weight (lbs.)
  - 22,850
  - 20,500
  - 18,820
  - 12,280
  - 11,480
  - 8,740

**Tractor H.P.**

- 22"-20" Hitch Type
  - Single S
  - Single S
  - Single S

**Unloading (bushels*)**

- Minimum
  - 1,200
  - 1,000+
  - 850
  - 750

**Model**

- 820 S
  - 822 S
  - 824 S

**Trailer Type**

- 20”
  - 20”
  - 18”

**Tracks**

- 5,000
  - 6,550/4,710
  - 5,750/4,970

**Tire Type**

- 12.00 R 24
  - 15.3 R 24
  - 15.3 R 24

**Ground Pressure p.s.i. Specifications**

- Tire Size
  - 12.00 R 24
  - 15.3 R 24
  - 15.3 R 24
  - 15.3 R 24
  - 15.3 R 24

**Grain Cart Loaded tire pressure specifications**

- Tire Pressure
  - 820 S
  - 822 S
  - 824 S

**Additional**

- Trademarks, were measured around safety and members to determine crop yield, compare yield within a field and keep truck-load weights within legal limits.

- The model 82M scale package is designed for ease of use and maximum productivity. The data can be sent to an optional attached printer or Data Downloader (DOL) modules. Programmable, 6-character running totals in tracking field information.

- The model 82’s large, multi-line display provides additional management help, such as:
  - Automatically records weight every time the cart unloads for hands-free operation.
  - Contains CHECK button to help calibrate the complete unit’s readout.
  - Ability to upload field information from your computer to the scale monitor and transfer to the computer.

- Stores a season’s worth of harvested data, which can be downloaded to the included USB flash drive for back in your office. 26-character naming allows more precise collection of field data for the easiest tracking.

- Documents up to 158 field and truck data, per-total weight, total field weight, dates and times.

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• A high-visibility auger-position indicator shows the exact location of the auger as it folds and unfolds.
• Hydraulically-operated 36” flow gate with highly visible position indicator for controlling grain flow.
• The wheel-operated cleanout door is easily closed and locked in place for a leak-free, positive seal.
• The cleanout door also can be locked open for easy pit dumping and cleanout.
• Nighttime unloading visibility is enhanced with two high-intensity halogen lights on the auger and one inside the cart that turn on automatically with the tractor’s lights.
• The hydraulic hose storage holder and color-coded, labeled hydraulic hoses mean more convenient hookup and extended hose life.
• The electrical socket storage holder keeps connectors clean and free from corrosion.
• The easy-to-operate side-wind jack makes for convenient hitching and unhitching.
• D.O.T.-approved LED red and flashing amber taillights and reflective striping are highly visible to oncoming traffic.
• Available weatherproof camera package with 5.6” color monitor allows easy monitoring of loading and unloading. Add a second camera to the rear for a better view of traffic during transport.
• Weatherguard rollover tarps with arched end-caps provide added protection for your harvested crop. Standard on model 1282 and optional on other models.
Harvest goes smoother with every Brent grain cart. The corner auger positioning provides the industry’s greatest unloading height and reach. Add in the 82 series twisting, turret-style downspout with 60° rotation for precisely controlling grain flow, and you’ll push harvest efficiency to the max, with unloading speeds up to 625 bushels per minute.

With capacities ranging from 1,200 bushels to 750 bushels, there is a size available for every operation.
Augers

Brent 82 series grain carts feature corner-auger positioning for the greatest unloading height and reach. It’s easy to reach across ditches and fences to fill the corners and top off each load, even over the tallest trucks and wagons. Combine the best reach with a turret-style downspout for the greatest directional control and the least amount of splatter.
• The patented self-aligning, rubber-cushioned Soft-Start auger mechanism ensures smooth and complete engagement of the upper and lower augers at start-up for reduced stress and longer driveline life.

• The auger’s patented corner positioning means 100% visibility from the tractor seat.

• The model 1282’s “turbo-charged” unloading auger features a fully recessed 22”-diameter lower auger that feeds a 20”-diameter upper auger for unloading speeds up to 625 bushels per minute.

• Electronic balancing of the upper and lower augers, along with the lower hanger bearing and upper auger bushing, virtually eliminates vibration for extended auger life.

• Upper and lower high-volume 20”-diameter augers on models 1082 and 882 deliver unloading speeds up to 500 bushels per minute.

• The 18”-diameter auger on the model 782 moves grain at up to 450 bushels per minute.

• Utilization of the newest hydraulic-system technology allows the auger to fold and unfold at industry-leading speed.

• When extended, a lock-valve secures the auger in position with a positive seal for a leak-free joint.

• The auger tucks compactly under the side of the cart for ease of transport and storage.

• ½”-thick ultra-edge flighting provides more steel at the outer edge where the greatest wear occurs for extended life.

• Electronic balancing of the top and bottom augers, plus the spring-loaded top bearing, virtually eliminates auger vibration for long-term dependability.

• The lower auger is housed in a deep sump and constructed with “leaned” double flighting for greater grain-carrying capacity.
Chassis

Three things count most when it comes to grain carts — loading and unloading convenience, efficiency and durability. That’s what it takes to get grain out of the field as quickly as possible, and the Brent chassis design ensures smooth performance and stable towing whether traveling down the road or over the roughest field terrain.
• Cast 2” single-tang hitch with smooth chamfer opening allows the cart to follow the terrain for smooth trailing. Bushings to match other appropriate hitch pin sizes are included.

• The graphite-coated interior and fully recessed auger sump intake ensure fast and complete unloading.

• Two-position axle on models 1082–782 to match load weight to your needs. The rearward setting enhances in-field control; the forward setting lightens the tongue load.

• An optional width-adjustable axle is available to match tire-width patterns to your cropping practices.

• The axle’s two-position height adjustability means the cart stays level and tongue weight is optimized while accommodating a variety of tractor and cart wheel and tire sizes.

• A wide variety of undercarriage options are available — high-flotation singles, duals and tracks.

• Tracked undercarriage features hydraulic tensioning and steel idler wheels for smoother ride and optimum maneuverability.

• Track size for the 1282 is 3’x14’, and 3’x11’ for models 1082 and 882.

• The durable primer undercoat, oven-baked enamel topcoat of tractor red or green and silicone-sealed seams resist corrosion for a long-lasting like-new look.

• The exclusive Brent manufacturing process features sleek, waveless sides for added strength.

• Field-proven 4½” bolt-on spindles with 50-ton ratings are manufactured with special-alloy, high-tensile strength steel.

• 10-bolt hubs feature gusseted reinforcement for longer life and maximum carrying capacity.

• The heavy-wall tubular steel main frame and axle, 12-gauge-steel shell and 8-gauge-steel underframe carry the heaviest loads with ease.
Power Train

Brent grain carts outlast and outperform any other grain cart you can own. Durable steel construction, truss frame design and oversized, heavy-duty power-train components mean years of dependable and low-maintenance service.

EXCLUSIVE 45° GEARBOX
• The 45° gearbox and 1¼"-diameter full-length output shaft deliver industry-leading unloading speeds, even with heavy, high-moisture corn.

• Gear tooth length of 1½" in an oil bath for smoothest gear operation and enhanced durability.

• Industry-best load ratings of 3,000 lbs. and 4,000 lbs. for the input shaft bearings, and 4,000 lbs. and 6,000 lbs. for the output shaft bearings.

• The reinforced cast-aluminum gearbox housing and forged steel gears are static rated at 330 h.p. and dynamic rated at 153 h.p. for long-term performance and durability.

• Choice of low-maintenance, quick-couple 1,000 rpm PTO with either shearbolt or friction clutch protection. A PTO with cut-out clutch is standard on the model 1282.

• Optional tongue-mounted, multi-port hydraulic drive with high visibility pressure gauge for ensuring peak performance.

• Hydraulic drive options available to match your tractor’s hydraulic output — 105 gpm or 55 gpm for unloading up to 300 bushels per minute and a 30 gpm unit for up to 150 bushels per minute unloading.
Operator Convenience

By any measure, Brent grain carts deliver optimum value. Our 30-year history is rich with design innovations that make your harvest — from start to finish — as smooth and stress-free as possible.
When you’re ready for the best, you’re ready for Brent

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A high-visibility auger-position indicator shows the exact location of the auger as it folds and unfolds.

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The cleanout door also can be locked open for easy pit dumping and cleanout.

Nighttime unloading visibility is enhanced with two high-intensity halogen lights on the auger and one inside the cart that turn on automatically with the tractor’s lights.

The hydraulic hose storage holder and color-coded, labeled hydraulic hoses mean more convenient hookup and extended hose life.

The electrical socket storage holder keeps connectors clean and free from corrosion.

The easy-to-operate side-wind jack makes for convenient hitching and unhitching.

D.O.T.-approved LED red and flashing amber taillights and reflective striping are highly visible to oncoming traffic.

Available weatherproof camera package with 5.6” color monitor allows easy monitoring of loading and unloading. Add a second camera to the rear for a better view of traffic during transport.

Weatherguard rollover tarps with arched end-caps provide added protection for your harvested crop. Standard on model 1282 and optional on other models.
BRENT GRAIN CART SPECIFICATIONS: 82 SERIES

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BRENT 82 SERIES GRAIN CARTS

A new twist for unloading convenience

Adding Value with Scales
Add a scale package and maximize the value of your Brent 82-series grain cart. Weighting in the field saves time and allows you to determine crop yields, compare yield within a field and keep truck-load weights within legal limits.

- The model 410 scale package is designed for ease of use and maximum productivity. The data can be sent to an optional attached printer or Data Downloader (DDU) module. Programmable, 6-character running totals in tracking field information.

- The model 512's large, multi-line display provides additional management help, such as:
  - Automatically records weight every time the cart is hooked to a combine.
  - Combine CHECK button to help calibrate the combine's yield monitor.
  - Ability to upload field information from your computer to the scale monitor and then back to the computer.

- Stores a season's worth of harvest data, which can be downloaded to the included USB flash drive for use back in your office. 20-character naming allows more precise collection of field data for the easiest tracking.

- Documents up to 150 field and truck load per load weight, total field weight, date and time.

GRAIN CART LOADED TIRE GROUND PRESSURE P.S.I. SPECIFICATIONS

<table>
<thead>
<tr>
<th>Tire Size</th>
<th>882</th>
<th>822</th>
<th>882</th>
<th>782</th>
<th>622</th>
<th>742</th>
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<tr>
<td>Tracks</td>
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<tr>
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<td>900/50.00x32</td>
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<td>20.8</td>
<td>20.8</td>
<td>20.8</td>
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</tr>
<tr>
<td>1050/50.00x32</td>
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<td>21.28</td>
<td>21.28</td>
<td>21.28</td>
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When you're ready for the best grain cart, Brent is the choice.

Ground pressure specifications are measured with tires at 85% inflation and 100% load weight and 10% moisture

For complete details about all Brent grain carts, see your nearest Brent products dealer today.
**82 SERIES GRAIN CARTS**

A new twist for unloading convenience

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### Brent Grain Cart Specifications: 82 Series

**82 Series**

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<td>Tractor H.P.</td>
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<td>Custom Cap.</td>
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<td>200+</td>
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### Tire Size

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<tbody>
<tr>
<td>76/50x32 Tire</td>
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<td>18.78</td>
<td>18.00</td>
<td>16.80</td>
</tr>
<tr>
<td>76/48x38 Tire</td>
<td>24.73</td>
<td>23.11</td>
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<td>19.44</td>
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<tr>
<td>76/50x32 Duals</td>
<td>24.89</td>
<td>22.27</td>
<td>20.44</td>
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<tr>
<td>76/48x38 Duals</td>
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<td>24.68</td>
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### Ground Pressure

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### Plunger Type

- Single

### Hitch Type

- Straddle

### UNVPLUMB

- Single

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Adding Value with Scales

Add a scale package and maximize the value of your Brent 82-series grain cart. Weighing in the field saves time and allows you to determine crop yield, compare yield within a field and keep truck-load weights within legal limits.

- **The Brent 810 scale package** is designed for aerial and ground productivity. The data can be sent to an optional attached printer or Data Downloader (DOL) module. Programmable, 6-character running record in tracking field information.
- **The Brent 811S Large** multi-line display provides additional management tools, such as:
  - Automatically records weight every time the cart discharges for hands-free operation.
  - Contains CHECK button to help calibrate the complete yield monitor.
  - Aids in up-front field information from your computer to the yield monitor and back to the computer.
  - Stores a season’s worth of harvest data, which can be downloaded to the included USB flash drive for use back in your office. 26-character naming allows more precise collection of field data for the easiest tracking.
  - Documents up to 150 field and truck life, per-load weight, total field weight, date and time.

---

When you’re ready for the Brent 82-series grain cart...

- Just $4,550
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