



FEEDS FIELDS



HYDRA-SPREAD HYDRAULIC SYSTEM

Flow Control

Hagedorn manure spreaders feature an innovative Hydra-Spread flow control valve designed for precise unloading and application. Engineered and manufactured exclusively for Hagedorn spreaders, this valve is ideal for all types of hydraulic systems and includes an internal bypass for quick return regardless of unloading speed. The Hydra-Spread flow control valve also provides a reliable processing rate that stays consistent from load to load, resulting in distribution amounts and quality you can trust.

All vertical Hagedorn spreaders come equipped with a standard sequencing valve which is integrated into the flow control valve and prevents the pushgate from engaging before the endgate is raised, thereby preventing accidental damage due to a collision.

Manufactured in North America, the sequencing valve is available as an option on horizontal beater models and is compatible with all modern hydraulic systems.



Easily adjust unloading speed with the turn of a knob

Cylinders

Similar to our flow controls, the push-off cylinders in our spreaders are designed by our engineers and manufactured in North America.

Setting an industry precedent in 1990, our hollow-rod design allows oil flow for extend and retract cycles to be channeled through the rod, eliminating the tangle of hoses that would otherwise occur when the cylinder strokes. The cylinders employ a rugged, ball-type sealing system that easily handles the flexing that comes with stroke lengths of up to 17 feet. Our pistons and glands are made from high-grade ductile iron for maximum wear and durability.

The horizontal beater models and 5000 series Extraverts contain industry standard tie-rod cylinders on the endgate while our Extravert model 8610 features welded endgate cylinders.

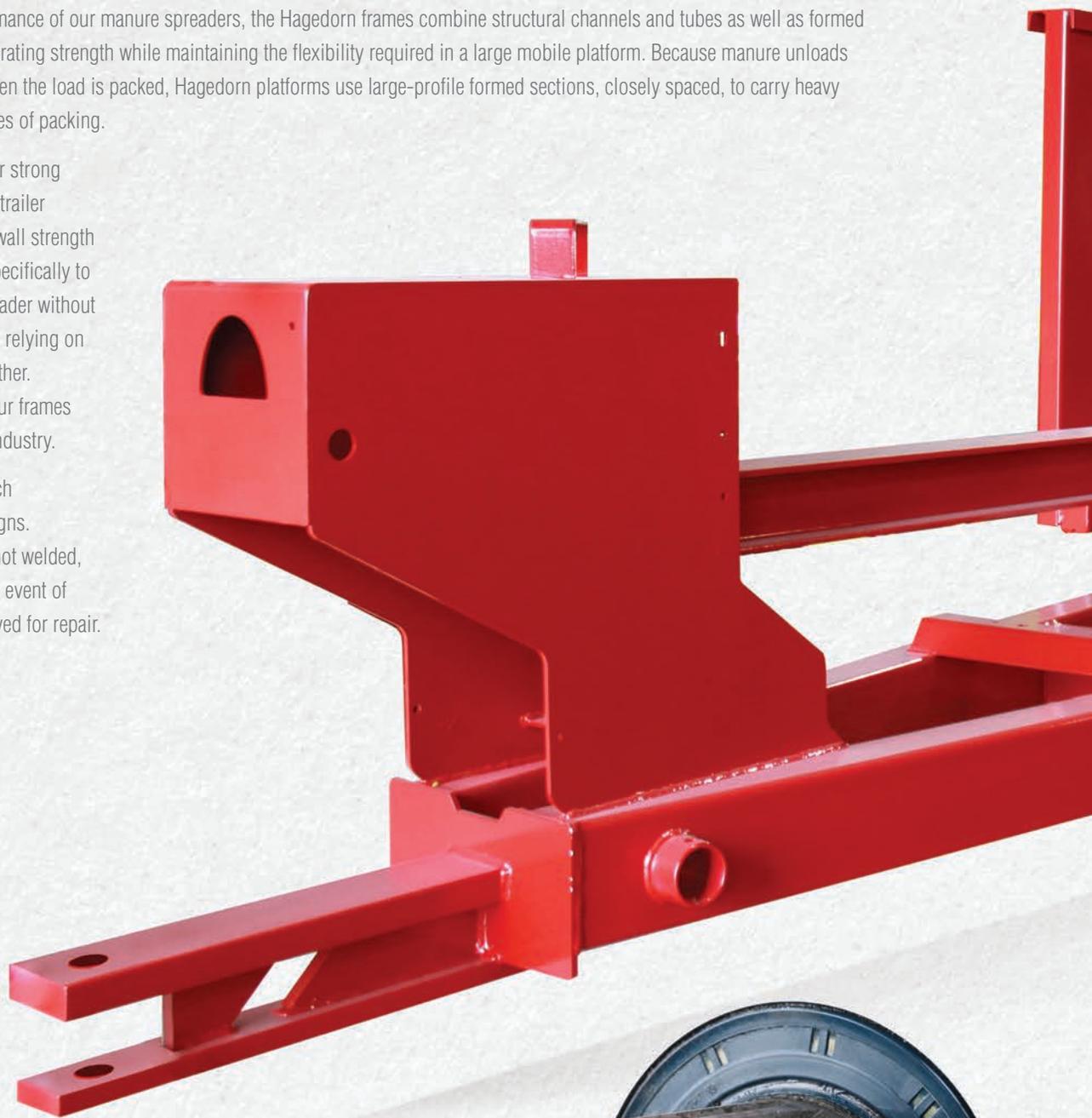


FRAME CONSTRUCTION

Integral to the overall performance of our manure spreaders, the Hagedorn frames combine structural channels and tubes as well as formed sections to achieve peak operating strength while maintaining the flexibility required in a large mobile platform. Because manure unloads and spreads more evenly when the load is packed, Hagedorn platforms use large-profile formed sections, closely spaced, to carry heavy loads and withstand the forces of packing.

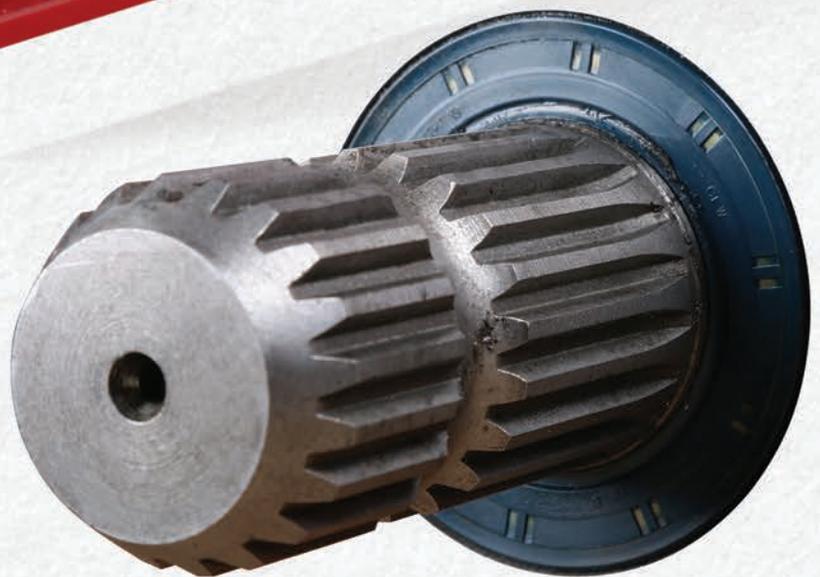
Hagedorn delivers a spreader strong enough to use as a push-off trailer without worrying about sidewall strength and the frame is designed specifically to support the sides of the spreader without bulky horizontal members or relying on the beaters to tie things together. Weight distribution across our frames sets the benchmark for the industry.

We also offer a variety of hitch configurations and axle designs. Our axle frames are bolted, not welded, to the main frame and, in the event of damage, can be easily removed for repair.



Powertrain

Our drivetrain is easy to maintain and service. Every shaft connection on a Hagedorn Spreader features splines. Unlike keyed drives that focus the load on a single stress point, the splines in our spreaders transmit power efficiently by spreading loads to the entire shaft and can be quickly assembled and disassembled.





Hagedorn is a recognized leader in hydraulic push-off technology. Increased spreading performance with our BERMA vertical beaters, combined with innovative design, means that our Extravert beater system delivers performance and control that maximize the nutrient value of your manure.

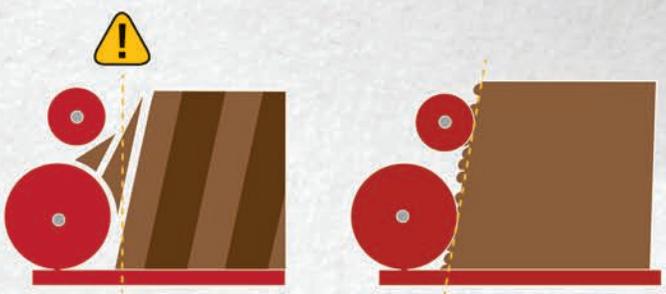
Working with BERMA, a world leader in vertical beater design, our engineering team built upon basic beater designs to better suit the harsh conditions of North American agriculture. The resulting Extravert beater system has closely-spaced spirals and overlapping beater tips for finer processing and improved distribution. Hagedorn Extravert beater spirals extend to the bottom of the beater with no dead spots while an impeller at the bottom of each beater ensures proper distribution of fine materials and semi-solids.

Extravert beater tips feature a combination of blades and cups. Blades slice and shred through tough materials, such as corn and bean stalks, to an exceptionally fine level. Cups fling finer materials and semi-solids. These blades and cups can be easily reconfigured according to your needs using different combinations. To withstand areas of high-use applications as well as abrasive materials, we also offer optional forged and hardened components.



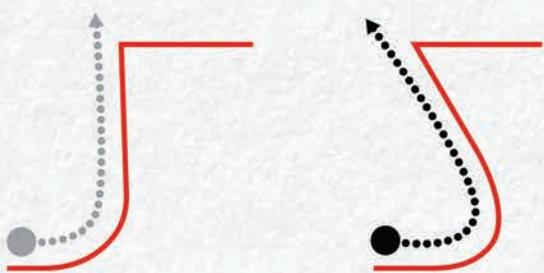
HORIZONTAL BEATER

Hagedorn horizontal spreaders showcase consistent performance and results. With low-profile loading heights, our horizontals fit many operations where larger spreaders cannot go. In areas prone to the inclusion of foreign objects in manure, our time-proven and adaptable RipGrip beater system stands up to abuse that can cause failure in other designs.



The RipGrip beaters are optimal for fine, wide and uniform horizontal spreading. The RipGrip system, which includes a stepped beater position and aggressive beater paddles, allows for improved manure processing.

Unlike traditional beaters, where manure from the upper part of the load can break away and tumble into the lower beater causing a light/heavy/light spread pattern, our stepped beaters are positioned with the top beater ahead of the lower beater so manure is removed before it can tumble, spreading manure farther and more uniformly across your field.



SPECIFICATIONS



H/227

Recommended HP - 80
Volume (heaped) in Cu Ft - 458

Capacity

Cubic Feet Struck Level: 236
(ASAE S324.1)
Heaped Bushels: 368
(ASAE S237.1)

Dimensions

Inside Width (Inches): 71.5
Inside Depth (Inches): 34
Inside Length (Feet): 14
(ASAE S324.1)
Overall Length (Feet): 24
Overall Width - with Tires (Inches)
-425 x 22.5 Truck Type Tires: 124
-44/18.00x20 Traction Implement: 128
-550/60x22.5 Traction Implement: 136

Beaters

Beater Configuration: Stepped
Lower Beater Diameter/Speed: 24/385
Upper Beater Diameter/Speed: 16/360

Axles

Axle Type: Oscillating Tandem
Hub Type: 8 Bolt
Hub Capacity: 12,000 Lbs
Wheel Spindle Diameter (Inches): 3
Tandem Spindle Diameter (Inches): 4
Drop Axles (Optional): 6 Inch Drop

General

End Gate: Standard
Wood Rails: Standard
Beater Pan: Standard

Hydraulics / PTO

Available Flow Control: Sequencing Type
Available Flow Control: Non-Sequenced

Available PTO: 540 RPM / 1 3/8-6
Available PTO: 1000 RPM / 1 3/8-21



H/277

Recommended HP - 80
Volume (heaped) in Cu Ft - 524

Capacity

Cubic Feet Struck Level: 270
(ASAE S324.1)
Heaped Bushels: 421
(ASAE S237.1)

Dimensions

Inside Width (Inches): 71.5
Inside Depth (Inches): 34
Inside Length (Feet): 16
(ASAE S324.1)
Overall Length (Feet): 27
Overall Width - with Tires (Inches)
-425 x 22.5 Truck Type Tires: 124
-44/18.00x20 Traction Implement: 128
-550/60x22.5 Traction Implement: 136

Beaters

Beater Configuration: Stepped
Lower Beater Diameter/Speed: 24/385
Upper Beater Diameter/Speed: 16/360

Axles

Axle Type: Oscillating Tandem
Hub Type: 8 Bolt
Hub Capacity: 12,000 Lbs
Wheel Spindle Diameter (Inches): 3
Tandem Spindle Diameter (Inches): 4
Drop Axles (Optional): 6 Inch Drop

General

End Gate: Standard
Wood Rails: Standard
Beater Pan: Standard

Hydraulics / PTO

Available Flow Control: Sequencing Type
Available Flow Control: Non-Sequencing

Available PTO: 540 RPM / 1 3/8-6
Available PTO: 1000 RPM / 1 3/8-21



V/5290

Recommended HP - 125
Volume (heaped) in Cu Ft - 524

Capacity

Cubic Feet Struck Level: 290
(ASAE S324.1)
Heaped Bushels: 421
(ASAE S237.1)

Dimensions

Inside Width (Inches): 67
Inside Depth (Inches): 40
Inside Length (Feet): 16
(ASAE S324.1)
Overall Length (Feet): 28
Overall Width - with Tires (Inches):
-425 x 22.5 Truck Type Tires: 120
-44/18x20 Traction Implement: 124
-550/60x22.5 Traction Implement: 132

Beaters

Beater Configuration: Vertical
Beater Diameter: 34.6"
Beater Speed: 420 RPM

Axles

Axle Type: Oscillating Tandem
Wheel Hub Type: 8 Bolt
Wheel Hub Capacity: 12,000 Lbs
Wheel Spindle Diameter (Inches): 3
Tandem Spindle Diameter (Inches): 4
Drop Axles (Optional): 6" Drop

General

End Gate: Standard
Wood Rails: Standard
Beater Pan: Standard
Stone Guard: Standard

Hydraulics / PTO

Sequencing Valve: Standard

Available PTO: 1000 RPM / 1 3/8-21
Available PTO: 1000 RPM / 1 3/4-20



V/5440

Recommended HP - 150
Volume (heaped) in Cu Ft - 684

Capacity

Cubic Feet Struck Level: 440
(ASAE S324.1)
Heaped Bushels: 550
(ASAE S237.1)

Dimensions

Inside Width (Inches): 67
Inside Depth (Inches): 59.5
Inside Length (Feet): 16
(ASAE S324.1)
Overall Length (Feet): 28
Overall Width - with Tires (Inches)
-425 x 22.5 Truck Type Tires: 124
-550/60x22.5 Traction Implement: 132
-700/50x22.5 Traction Implement: 145.5

Beaters

Beater Configuration: Vertical
Beater Diameter: 34"
Beater Speed: 420 RPM

Axles

Axle Type: Oscillating Tandem
Wheel Hub Type: 10 Bolt
Wheel Hub Capacity: 16,000 Lbs
Wheel Spindle Diameter (Inches): 4
Tandem Spindle Diameter (Inches): 5
Drop Axles (Optional): 5 Inch Drop

Box

End Gate: Standard
Wood Rails: Standard
Beater Pan: Standard
Stone Guard: Standard

Hydraulics / PTO

Sequencing Control: Standard

Available PTO: 1000 RPM / 1 3/8-21
Available PTO: 1000 RPM / 1 3/4-20

FIELD TO FARM TO FIELD



FEED WITH PENTA

FROM FIELD TO FARM

The Penta line of Dump Trailers are designed to get your crop from the field to your farm. Ranging in size from 1050 cubic feet to 2475 cubic feet there is one ready for you. Farmer focused features like better visibility in the box and the unique reverse tilt for better filling, all built as tough as you.

FARM FEEDING

The best quality feed needs the best quality mix. Penta TMR mixers are designed, tested and farm proven to deliver the best mix on the market. Our Hurricane auger allows forage to circulate faster through the mix for quicker processing and mixing times.

FROM FARM TO FIELD

The Penta (Hagedorn) line of manure spreaders allows you to make the best use of your organic nutrient resources. The Hagedorn processes the manure finer and delivers the best spread pattern. This lets your field make the best use of this rich resource.

888-844-7788

www.pentaequipment.com