

RIEDEL
N.Z. DISTRIBUTORS
BOX 487, HAMILTON

HESSTON[®]

Square Balers

14" x 18"

- Center-Line design
- Preformed flake system
- Unmatched maneuverability



4' x 4' x 8'

- Center-Line design
- Preformed flake system
- Hydraulic density system
- Exclusive knotter design
- Complete mechanical handling system



The
PRIME LINE

Unique Center-Line design gives tight, uniform bales that stack, haul and feed well.



4600 Beeline Baler

This 14" x 18" baler gives outstanding maneuverability.

- Center-Line design
- Preformed flake system
- 72-inch low-profile pickup
- Equal-angle hitch standard
- Hydraulic density control available
- Flotation tires standard
- Hydraulic-driven bale thrower available
- Twine or wire tie available
- Positive-control bale length mechanism
- Cushioned hay dogs
- 92-spm plunger
- Easy-adjust, external plunger rails and rollers



4800 Big Baler

Builds one-ton bales at up to 20 tons per hour. No wonder owners call it the "Hay Factory"!

- Center-Line design
- 4' x 4' x 8' package
- Unique Charge Chamber preforms flakes
- Automatic hydraulic density control
- Exclusive Double Knotters
- Extra heavy-duty drive train and roller chains
- Giant 26-spm plunger
- Total mechanical handling and feeding system

Compared to other square balers, with their high-maintenance cross feeds or sweep arms, and off-set design, Hesston balers offer a much simpler approach...thanks to unique Center-Line design.

Center-Line design makes Hesston's exclusive preformed flake concept possible. This unique feature, found only on Hesston square balers, gives better distribution of hay within the bale...for tight, square-shouldered bales and high-quality hay.

Hesston square balers are available in two sizes:
conventional 14" x 18" bales and giant 4' x 4' x 8' bales.

The 4600 Beeline Baler

builds conventional sized bales, but builds them like no other! Hay moves from the low-profile Maxi-Sweep Pickup in a straight line until it drops out the back as a finished bale. This design captures more leaves because there's simply no place for them to escape. The result is more nutrition in every bale!

The 4800 Big Baler utilizes a similar concept on giant scale to build 4'-square x 8'-long bales.

These Big Bales can weigh up to one ton in the right conditions...and they pay off big with high-quality hay at the feedbunk. They also deliver time, labor, storage and twine savings.

Plus, Hesston offers a complete line of complementary handling and feeding equipment for Big Bales.

Hesston Center-Line Square Balers — their unique design features deliver tight, uniform bales. Bales that haul, stack and feed with new convenience for any size operation!

The
PRIME LINE

Beeline Baler

Fast and straight from pickup to bale!



No more cross augers or sweep arms. No more moving of bales when opening a field or operating in irregular fields.

The Model 4600 Beeline Baler's Center-Line design allows hay to move in a straight line, from the pickup until it drops out the back as a finished bale. Thanks to this advanced bale forming concept, you won't find any high-maintenance mechanisms like cross augers or sweep arms.

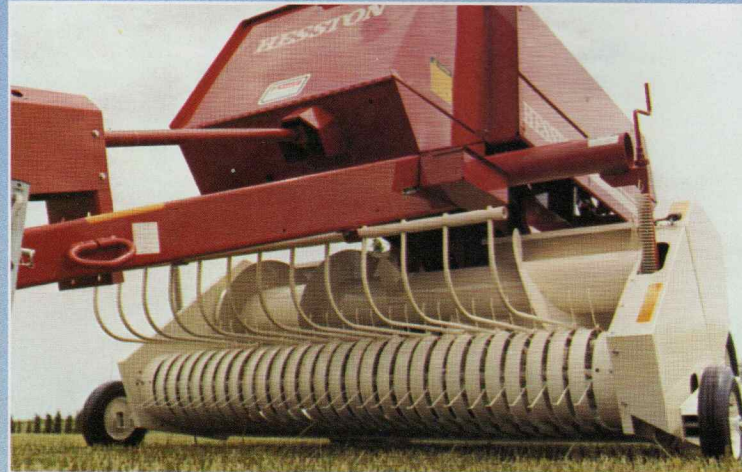
Unlike other small square balers, the Beeline's bale chamber "seals in" nutritious leaves. Tender legume leaves just can't escape! So, more leaves go into the bale, providing the high-quality feed you want.

The wide, low-profile Maxi-Sweep Pickup sits squarely in front of the Beeline Baler. It tows narrower than other balers, even when they're in "transport" position. Field and road position are one in the same...to save time and eliminate having to move bales when opening a field or border!

Other features on the Beeline Baler include outstanding ground clearance to protect knotters needles, positive bale length control, plus plunger rollers and rails that adjust quickly and easily from **outside** the bale chamber.

If you're looking for quality hay, plus unmatched maneuverability in a small baler, the Beeline is for you!

Wide, low-profile Maxi-Sweep Pickup has a total of 112 tines, on 4 tine bars, for a clean sweep. Low-profile design means it doesn't have to lift crop as high, so there's less disturbance of the windrow.



Hydraulic density control (optional) maintains consistent bale weight and density by automatically regulating pressure on the bale forming chamber.



Hydraulic-driven Bale Thresher (optional) is designed to save time and labor. Hydraulic direction control helps fill the wagon or trailer side-to-side. Variable belt speed controls throwing distance for even filling front-to-rear. For extra convenience, a trap door allows bales to be dropped on the ground without removing the thresher.

Center-Line design offers unmatched maneuverability...and you never have to change from field to road position again!



SPECIFICATIONS

4600 Beeline Baler

Dimensions and Weights

Weight — 3,600 lbs. (approx.)
 Length (w/o bale chute) — 16'10"
 Width (overall) — 8'3"
 Height (w/shielding) — 5'7½"

Tire Size

Flotation — 9.5Lx14, right & left
 Pickup — 3"x12", right & left

Pickup

Width — 70.16", tine to tine; 76.85", panel to panel
 Tooth bars & teeth — 4 bars, 56 double tines
 Tooth spacing — 2.6"

Auger — 18" O.D.

Protection — slip clutch
 Gauge wheels — 2 (one per side)
 Lift — manual (provisions for hyd. cyl.)

Feeding System

Packing area — double-throw crank w/4 tines
 Drive — #80 chain
 Protection — shear bolt

Charge Chamber

Type — fixed volume

Stuffer Area

Stuffer — crank type w/3 tines
 Protection — shear bolt

Bale Chamber

Size of chamber — 14"x18"
 Bale length — 12" to 52"
 Density control — spring-loaded tension rails

Plunger

Speed — 92 strokes/min.
 Length of stroke — 23"
 Mounting — total of 5 sealed ball bearing rollers

Tying Mechanism

Hesston knotter — #50 chain drive w/shear bolt protection
 Hesston twister — #50 chain drive w/shear bolt protection
 Twine container capacity — 6 balls
 Wire container capacity — 4 rolls

Main Drive

Gearbox — hypoid w/tapered roller bearings; flywheel w/shear bolt protection

Power Drive

PTO — 540 rpm (ASAE-SAE standard)
 Protection — slip clutch & overrunning clutch

U-joint — equal angle

Tractor Requirements

PTO — 540 rpm (ASAE-SAE standard)

Horsepower — 2 to 3 plow tractor

Hydraulics — 1 set of remotes required when using the bale thrower or hyd. pickup lift

Extra and/or Optional Equipment

Hydraulic-driven bale thrower
 Hydraulic density control (bale tensioner)
 Wagon loading hitch & chute
 Multi-purpose bale chute
 Light kit
 Decal kit

Bale Thrower (optional)

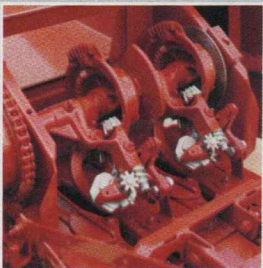
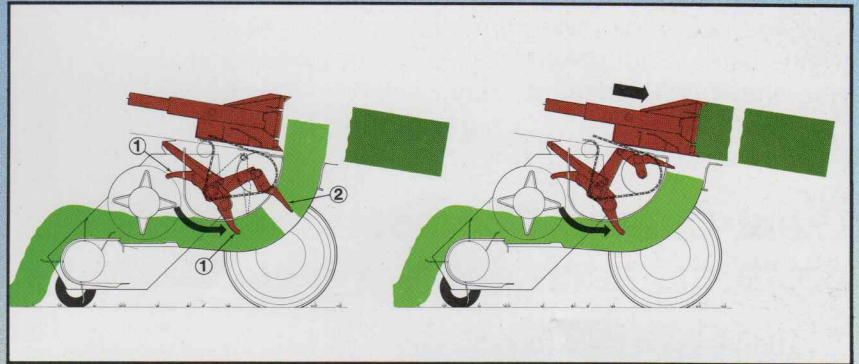
Weight 500 lbs. (approx.)
 Height (installed) 72"
 Length 63"
 Drive Hydraulic
 Capacity Full capacity of baler
 Means of propelling bale 12" wide rough belts
 Discharge distance Variable
 Bale length Up to 36"
 Bale weight Up to 70 lbs.
 Directional control Hydraulic
 Hydraulic cylinder
 Bore 2"
 Stroke length 14"

Prefomed flakes — the key to better bales.

Center-Line design makes Hesston's exclusive preformed flake concept possible...for better distribution of hay within the bale.

Hay from the windrow is picked up and moved by the auger to Packing Fingers (1) that stuff crop into a special Charge Chamber.

As the flakes are formed, Stuffing Fingers (2) sweep them up into the bale chamber with each return stroke of the plunger. The preforming of each flake produces bales with consistent density and evenly distributed hay.



Tie 'em your way.

Whether you prefer to tie bales with twine or wire, the 4600 Beeline Baler gives you a choice. Positive bale length mechanism maintains uniform length, bale after bale. Makes mechanical stacking easier and more precise.



Big Bale System

A totally mechanical system for building, moving and feeding of one-ton bales.

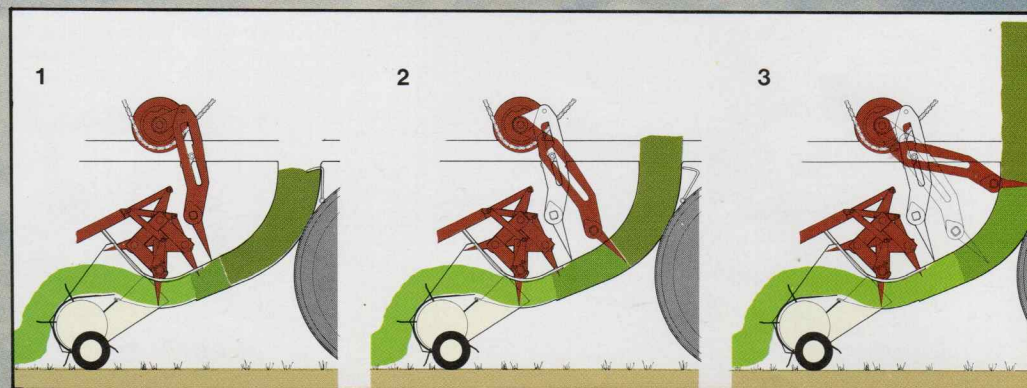
The Hesston Big Baler is a truly remarkable haying system. You can put up the equivalent of 20 to 30 conventional bales in a single one-ton Big Bale. That ton of hay requires 30% to 40% less storage space than 2-twine bales, and the Big Baler uses 30% less twine making it. Plus, when set side-by-side on a trailer, Big Bales precisely fit legal highway transport width, while providing a full payload.

Custom operators and haulers have discovered the convenience and manageability that's built into these Hesston Big Bales. Dairymen and feeders have found these high-density bales pay off big with high-quality hay in the feedbunk!

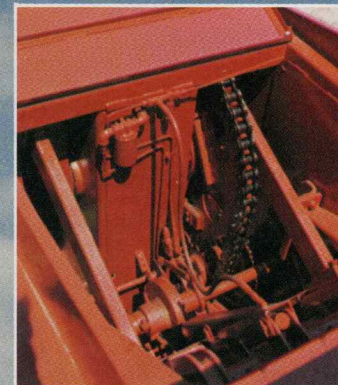
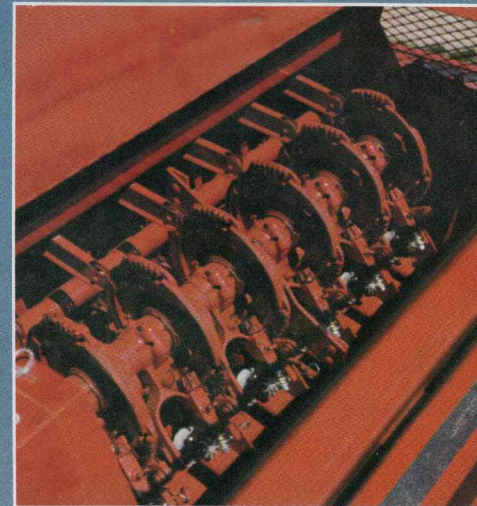
If the notion of saving time, labor, storage and twine costs...and making high-quality hay appeals to you, check out Hesston's "Hay Factory"...the Big Bale System!

Giant Charge Chamber preforms each flake of hay.

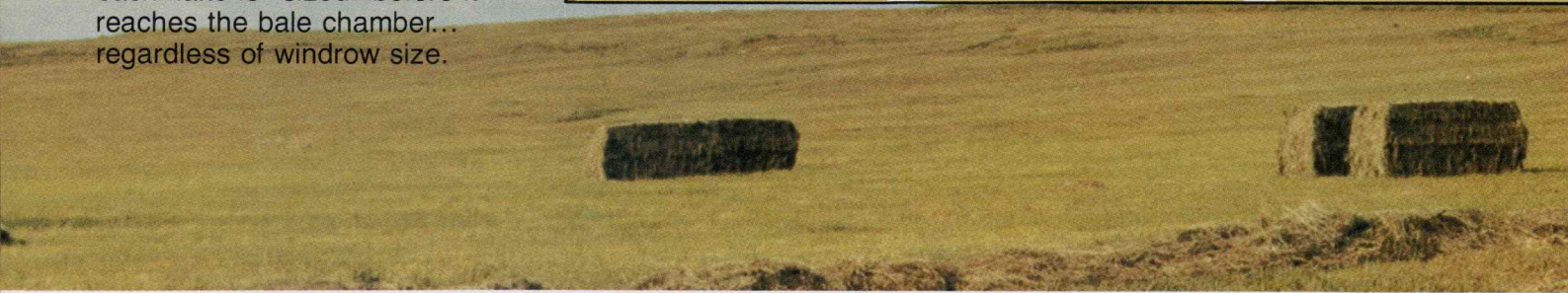
The Hesston flake forming concept is the key to uniform, high-density bales. As crop is picked up, it's delivered to the mouth of the Charge Chamber. Packing Fingers stuff crop into the chamber until it's full (1). When full, a sensing mechanism triggers Stuffing Fingers (2) that sweep down and carry the preformed flake up into the bale chamber (3) where the plunger packs it into the bale. Bale formation is uniform end-to-end, because each flake is "sized" before it reaches the bale chamber... regardless of windrow size.



Six exclusive Double Knotters use heavy-duty twine and tie only twice per ton of hay. This unique mechanism holds twine under controlled tension for consistent knotter performance.



Automatic bale density control hydraulically regulates pressure on the bale chamber to maintain consistent density within a pre-selected range.



4820 Accumulator

Groups bales to save pickup time and travel, minimize compaction.



This attachment collects Big Bales and leaves them in groups of 2 or 3 for easy pickup. It reduces pickup time, minimizes ground compaction and lets you start watering earlier on irrigated land.

4830 Loader Attachment

Mechanical muscle stacks bales two-high on trucks, three-high on the ground.



This attachment fits most popular farm and industrial front-end loaders. Six replaceable lower spikes and four upper grapple tines grip bales for easy loading.

4870 Processor

Feeds big or small bales... lets one man do the work of three or more!



The 4870 Processor delivers up to two Big Bales to the feedbunk in nearly "natural" state for maximum roughage. Optional side panels and tailgate let you feed conventional bales.

SPECIFICATIONS

4800 Big Baler

Dimensions and Weights

Weight — 18,000 lbs. (approx.)
Length (w/o bale chute) — 270"
Length (w/bale chute) — 333"
Width (overall)
Std. tires — 102.3"
Flotation tires — 110.96"
Height — 126" (w/o railing)
142" (w/railing)

Tire Size

Std. — 18.4 x 26 (12-ply)
Flotation — 23.1 x 26 (10-ply)
Pickup — 4.00 x 16 semi-pneumatic

Pickup

Width — 75"
Tooth bars & teeth — 5 bars, 100 teeth
Auger — dual gathering augers
Protection — slip clutch & overrunning clutch
Gauge wheels — 4.00 x 16 semi-pneumatic

Control — hydraulic lift control (std.)

Charge Chamber

Volume — approx. 9.5 cu. ft.

Stuffer Area

Stuffer — fork-type stuffing feed, 8 tines

Bale Chamber

Size of chamber — 46.5" wide x 50" high
Bale length — adjustable, 8' nominal
Bale control — 13 spring-loaded hay dogs;
6 stationary bottom hay dogs

Plunger

Speed — 26 spm @ 1000 rpm
Length of stroke — 33"

Tying Mechanism

Hesston knotters — 6 heavy-duty double knot knotters, 6¾" spacing
Twine container capacity — 24 balls of Hesston Big Baler twine

Power Drive

PTO — 1000 rpm
Protection — H.D. slip clutch & overriding clutch

Bale Tensioning

Closed hydraulic system — total automatic sensing from full plunger face

Lights

Flashing — standard
Working — standard

Tractor Requirements

PTO — 1000 rpm
Horsepower — 100 PTO minimum
(optimum recommended range:
120-180 PTO hp)

Hydraulics — single remote
Electrical system — 12 volts

Extra and/or Optional Equipment

Flotation tires
Bale Chute
Knotter Audio Alert monitor (service parts)
Clamp yoke, 1.75"/20 spline PTO shaft
Clamp yoke, 1.375"/21 spline PTO shaft
Decal kit



SPECIFICATIONS

4820 Accumulator Attachment

Dimensions and Weights

Weight — 3100 lbs.
Overall width — 156"
Overall length — 132"
Overall height — 44"
Capacity — 6000 lbs.
Bale size — 48" wide x 51" high x
78" to 102" long

No. of bales — three
Type of axle — dual caster
Tire size — 9.5L x 14 w/tubes
No. of tires — four

Unloading

Bale shift — automatic
Bale unloading — monitoring panel
near operator; operator releases trip

Tractor Requirement

Hydraulics — single remote

Extra and/or Optional Equipment

Electrical bale unloading kit
Decal kit

4830 Farm Loader Attachment

Dimensions and Weights

Weight (base unit) — 740 lbs.
Overall width — 85"
Overall height — 67"
Overall length — 48"
Lifting capacity — 2,500 lbs.
No. of tines — 6 lower and 4 upper

Loader Requirements

Loader lift capacity — 3,000 lbs. min.*
Loader lift height — 170"***
Maximum loader arm & tilt cylinder
width — 5.118"

Tractor Requirements

Hydraulics required — 3 remote
control circuits
A tractor and loader both having
sufficient strength, hp, and
adequate weight or wheel ballast
for stability when handling 2,500
lbs. of weight with center of gravity
24" in front of loader lift arm
attachment point.

Extra and/or Optional Equipment

Hydraulic cylinder kit (service parts)

Selector valve (service parts)

Kit for stacking 4 high

Decal kit

Mounting kits #1-7; for Great Bend,
Case, John Deere, DuAll, Schwartz
and Farmhand loaders

Parts for Ezee-On, IH, Kent and Leon
loaders available through service parts

*Requires 3600 lbs. when using kit for stacking 4 high.
**Height required for stacking 3 high and loading/
unloading 2 high on trucks.

For industrial loader specifications and for mounting
kit information on different brands of farm tractors,
see your Hesston dealer.

4870 Square Bale Processor

Dimensions and Weights

Weight — 4570 lbs.
Height — 88"
Length — 324"
Width (standard) — 95"
Bed size — 56" x 17' (two-bale
capacity)
Tread width — 83.46"
Tire size — 11L x 15, 10-ply
Bale loading — two full-length rails
with 662 pintle chain with lugs

Feeding table — three short rails with
662 pintle chain with lugs

Auger

Diameter — 22"
RPM — 214

Drives

PTO — 540 rpm only
Protection — slip clutch
Loading chains — hydraulic motor

Tractor Requirements

HP — 50 PTO hp minimum

Hydraulics — dual remote

PSI — 2000

GPM — 10 - 15

Extra and/or Optional Equipment

Conventional bale kit
Electronic scale kit
Decal kit

Hesston Corporation may at any time, and from time to time, for technical or other necessary reasons, modify any of the data or specifications of the products described herein.

The information contained in this brochure is intended to be of a general nature only; specific operations may vary from the average, and both crop and machine management, as well as the weather, are important factors in end result.

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