



MASSEY FERGUSON

HESSTON



1800 SERIES

SMALL SQUARE BALERS

DENSER BALES WITH INDUSTRY-LEADING
SHAPE AND LENGTH CONSISTENCY



1800 SERIES

BOTTOM LINE:

YOU'LL JUST GET BETTER HAY

FEATURING THE SAME EFFICIENT IN-LINE DESIGN AS OUR INDUSTRY-LEADING LARGE SQUARE BALERS, THE HESSTON BY MASSEY FERGUSON® 1800 SERIES SMALL SQUARE BALER RUNS DIRECTLY BEHIND THE TRACTOR AND STRADDLES THE WINDROW. THIS DELIVERS BENEFITS YOU JUST WON'T FIND WITH CONVENTIONAL SIDE-FEED DESIGNS.



4 SIMPLY BETTER



8 THE THREE-STRING BALER



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SIMPLY BETTER FROM EVERY ANGLE

At Hesston, we've always promised to help hay professionals produce the highest-quality, highest-value hay possible. And for 75 years, we've delivered on that promise, time and again.

Today, we're proud to say we're the number one choice of producers in North America. And we intend to continue earning that distinction, with quality hay tools like the Hesston® 1800 Series small square baler. Nothing in the class compares.

With every model in the Hesston 1800 Series, our industry-leading in-line design will deliver increased capacity, proven Hesston reliability and top-notch small square baler performance.



PICKUP CROSS AUGERS

Cross augers are utilized to provide a steady crop flow into the stuffer chute. This is an added benefit with large or uneven windrows. The cross augers work in conjunction with the curved-tip pickup tines to maximize capacity at the pickup.

STUFFER FORK

The spacing of the stuffer fork tines as well as the travel geometry maximizes capacity in all crop conditions.



KNOTTER FAN

To help promote reliability and minimize debris buildup on the top of the baler, a knotter fan comes standard on all 1800 Series balers.

OPTIFORM BALE CHAMBER

The extended-length Hesston OptiForm® bale chamber allows even the heaviest of bales to be compressed equally on all sides, eliminating the possibility of deformed bales.

LARGER TWINE BOX

Industry-leading high-capacity twine boxes are standard, enabling 10 or 12 balls of twine, depending on the model, maximizing run time while in the field.

HYDRAULIC BALE TENSION

Dial in the perfect bale weight with hydraulic bale tension, which reduces or eliminates the need to adjust throughout the day as crop conditions change. This ensures consistent bale weights and maximizes your ROI.

HESSTON KNOWS HAY

From the time hay enters the wide, low-profile pickup until it drops out the back as a finished bale, the crop follows a straight path. There are no right-angle turns and no high pickup lifts to shake or tear valuable leaves from the stems. Instead, the crop is lifted about half as high as on competitive models and fed straight into a preforming chamber that forms each flake before sweeping it into the bale chamber. This in-line design allows Hesston balers to build the consistent length bales demanded by producers utilizing accumulators, along with the elimination of the possibility of “banana shaped” bales. It all adds up to higher-quality bales that are easier to stack and easier to feed.





HESSTON 1840 — THE STANDARD IN 14-BY-18-INCH BALERS

The Hesston 1840 is the leader in high-capacity baling and rugged reliability. Pickup capacity and feeder capacity are critical in large, uneven and varying crop conditions. Features include 10-ball twine storage, an adjustable drawbar that allows attachment to a wider range of tractors, a knotter fan to keep the knotters clean, a self-contained hydraulic bale density system, hydraulic lift/lower pickup and 100 plunger strokes per minute to help you make even more hay in a day.



HESSTON 1842S – HIGH CAPACITY MEETS HIGH DENSITY

The big brother to the 1840, the 1842S is a heavy-duty machine sporting higher capacity and higher bale density while producing the same dimension bale, meeting the needs of customers requiring more production out of a small square baler. With larger and heavier duty components, including a 22% heavier flywheel, larger gear box, wider and 37% faster turning pickup, 83% wider throat opening, 76% increase in preforming chamber volume, 39% heavier plunger and 51% increase in plunger bearing surface area, the 1842S ensures smooth, efficient operation and a long life under high power and load conditions.

▼ Add your choice of bale-handling options:

Wagon Hitch Kit

The telescoping hitch directly connects to the baler framework and enables auxiliary equipment like accumulators and wagons to be towed behind the baler while in the field. It should not be used to pull loaded wagons or other vehicles on the road.

Bale Chute Extension Kit

Used to unload bales straight from the baler to a wagon, this kit works specifically with the bale chute.

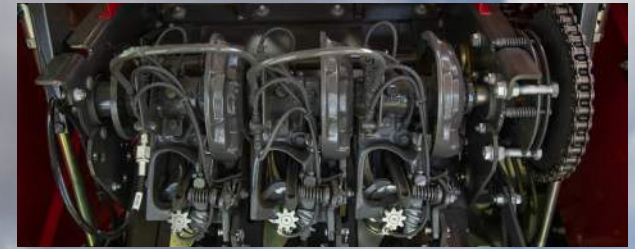


THE THREE-STRING BALER THAT WON THE WEST

Looking for a high-capacity three-string baler that meets the handling and transportation needs of the Western market? The Hesston 1844S produces high-quality bale flakes and rock-solid 15-by-22-inch bales that load and stack like bricks. It produces bales from 24-52 inches in length with toolless adjustment and weights up to 180 pounds at normal baling moisture. The 1844S tows directly behind the tractor and straddles the windrow for true in-line baling. The in-line position also offers a narrower transport width — only 8 feet, 8 inches — for safer roading and easier maneuvering. And it comes with 12-ball twine storage.

TAKE FULL CONTROL

Convenient doesn't begin to describe the Hesston 1844S monitoring console, which offers oversight and remote control of both the bale flake counter and bale density.



TLC FOR THE KNOTTERS

An automatic knotter lube system lubricates 18 critical wear points each time the knotters complete a tying cycle. A blower fan keeps trash buildup to a minimum for increased reliability and smoother operation. The split frame design makes service quicker and easier.



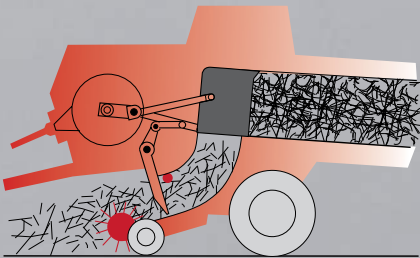
CONSISTENT BALE WEIGHT AND DENSITY

The hydraulic density control system automatically senses and adjusts bale density to produce bales that could be clones of each other in terms of weight and density. Bale density can be adjusted from the tractor cab too, as crops and conditions change.

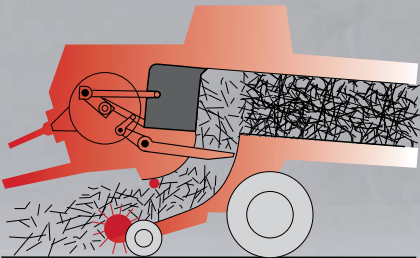
HIGH-QUALITY BALES

THE STRAIGHT FACTS ON OUR IN-LINE DESIGN

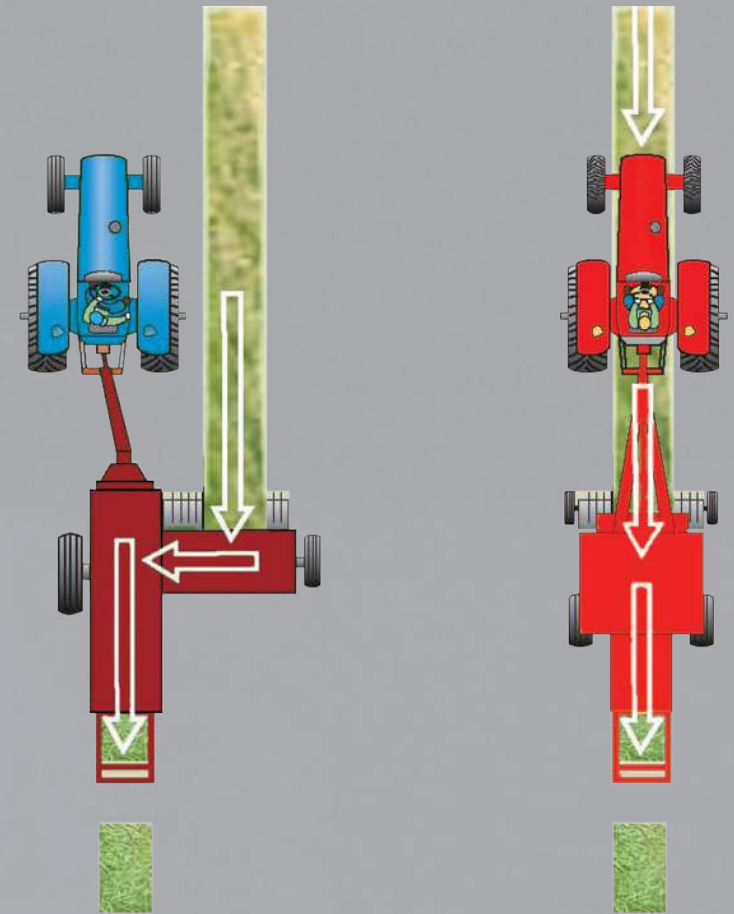
Goodbye flimsy, banana-shaped bales that fall apart at the drop of a hat. The Hesston 1800 Series delivers bales that are consistently higher quality and uniform in shape. On competitive balers, the plunger has to form, cut and compress the hay that's side-delivered through the bale chamber into an individual bale slice. On the Hesston 1800 Series, these operations are evenly distributed between the preforming chamber, packer/stuffer and plunger, which helps minimize peak loading on the entire drive system. And because each bale flake is preformed before it goes into the bale chamber, the nutritious leaves are more evenly distributed, and the same amount of crop is distributed to each side of the bale. The result is uniform bale density from top to bottom, side to side and end to end.



Crop flows in a straight line from the low-profile pickup to the stuffer and into the pre-compression chamber, forming a square, equally dense flake. The direct line of crop flow evenly distributes leaves throughout the bale flake for increased palatability.



Flakes then enter the bale chamber through the bottom. Since the pre-compression chamber begins building bale density before the crop enters the bale chamber, plunger load is reduced, lowering horsepower requirements and increasing baling capacity.



BETTER IN THE FIELD. BETTER ON THE ROAD.

The benefits of in-line design go far beyond better-shaped bales. Because field and road positions are one and the same, you save time when you're on the move. It also means the baler and any wagon pulled behind it are towed in a straight line, for less twist or strain on the baler frame. And the baler can adjust to ground contours faster and easier, since flotation tires are of equal size on both sides of the machine.

TECHNICAL SPECIFICATIONS

	1840	1842S	1844S
Bale Size			
Size of chamber	in. (mm)	14 X 18 (356 X 457)	15 x 22 (380 x 560)
Bale length	in. (mm)	24 to 52 (610 to 1,321)	
Length			
Without bale chute	in. (mm)	182 (4,267)	217 (5,508)
With bale chute	in. (mm)	218 (5,182)	253 (6,426)
With bale thrower		254 (6,096)	N/A
Width (overall)	in. (mm)	101 (2,565)	104 (2,642)
Height with shielding	in. (mm)	65 (1,651)	68 (1,727)
Baler weight, approx.	lbs. (kg)	3,500 (1,587)	4,280 (1,941)
Tires			
Flotation		31 L x 13.5-15, 8 Ply	14 L x 16.1, 12 Ply
Pickup Width			
Tine to tine	in. (mm)	70.2 (1,782)	70.2 (1,782)
Inside panel to panel	in. (mm)	75.9 (1,928)	77.5 (1,969)
Outside panel to panel		89.1 (2,264)	91.2 (2,316)
Number of tine bars		4	
Number of tines		112	
Augers		11 O.D. (280)	13 O.D. (330.2)
Protection		Overrunning torque limiter	Slip and overrunning clutch
Gauge wheels		2 (one per side)	
Feeding System			
Stuffer		Crank type with 4 tines	Crank type with 6 tines
Drive		No. 60HD chain	No. 80 chain
Protection		Shearbolt	
Plunger			
Plunger strokes	strokes/min	100	90
Protection		Shearbolt	
Length of stroke		21.6 (548.6)	23 (584)
Mounting		8 sealed ball bearing rollers	10 sealed ball bearing rollers
Tying Mechanism			
Type		Knotters	
Protection		Shearbolt	
Twine container capacity		10 balls	12 balls
Tractor Requirements			
Minimum PTO HP	(kW)	50 (37)	80 (60)
PTO speed	rpm	540	1000
Hydraulics		One double acting remote valve (for hydraulic pickup lift)	

*Specifications are manufacturer's estimates at time of publication and are subject to change without prior notification.

OPTIONAL KITS

1840	Bale chute Bale chute extension Bale chute quarter turn
1842S	Wagon hitch kit LED field light kit Knotter lube kit

PARTS & SERVICE

IT'S ALL ABOUT A LIFETIME OF SUPPORT

Buying, owning and maintaining equipment can be complex. That's why ensuring you have support and peace of mind is always an important consideration. With Massey Ferguson, you can count on personalized, responsive support from our network of dealers. Plus, there's no cutoff time for parts and service, meaning we're available to you throughout the lifetime of your machine.



Ask your dealer about AGCO Protection, an extended warranty program that prolongs your coverage and safeguards against the cost of sudden breakdowns.

AGCO replacement parts are made to the same high standards as those used on the assembly line, so your AGCO equipment will stay running like new. Talk to your dealer or shop at parts.agcocorp.com to find the genuine AGCO parts you need.

Focus on your operation, not on scheduling maintenance. With AGCO GenuineCare plans, your service intervals are predetermined. You'll avoid downtime and be able to better plan your costs thanks to transparent pricing, bundles and discounts.

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