

MF1839

Centre-line small rectangular baler for efficient, cost-effective baling



VISION INNOVATION LEADERSHIP QUALITY RELIABILITY SUPPORT PRIDE COMMITMENT



MASSEY FERGUSON

The MF 1839:

A real investment

The MF 1839 'centre-line' baler goes from strength-to-strength thanks to its popular design and well-established reputation as the perfect small, square baler. Whether you bale a few hectares a year for your own livestock, or produce thousands of bales annually in a commercial operation, the MF 1839 will fit your requirements and budget perfectly.

MF 1839	
Bale size	Height: 356 mm x Width 457 mm / 14" x 18"
Bale length	305 mm to 1321 mm
Crops	Straw, hay, low moisture haylage
Power requirement	Recommended 60 PTO hp
Working Pickup width	1.9 m
Density control	Manual springs or hydraulic
Options	Hydraulic pickup lift Automatic hydraulic bale tension Trailer hitch

Designed and built in our factory in Hesston, Kansas, the MF 1839 baler has a steadfast reputation as a sturdy and reliable partner for 'fuss-free' baling. For years the MF 1839 has proved itself to be an excellent investment, for small or large farms, contractors and equine businesses alike. And thanks to its simple operation and consistent design, this simple 'centre-line' baler will quickly become a worthwhile investment for your business.

The MF 1839 baler is robust and durable with a low power requirement, ensuring years of reliable service.

This 'centre-line' small rectangular baler has a working pickup width of 1.9 m. The wide, heavy-duty pickup is ideal for high usage or contracting. It is guaranteed to produce consistent, densely packed bales of hay or straw that

are the right size for easy handling or feeding and the right density for efficient storage and transport.

Make the right business choice with an MF 1839 baler.

Features include:

O1 Heavy-duty driveline and large flywheel reduces power requirement

O2 Wide, low profile pickup reduces crop loss and improves crop feed

O3 A single hand crank allows the operator to quickly raise and lower the pick-up

O4 Compact, low profile design allows the operator a full view of the baler

A - High plunger speed of 100 strokes per minute ensures high output and high density bales.

B - A set of adjustable hay resistor doors in the sides of the chamber complement the pressure from the top and bottom rails for controlled bale density.

C - Hydraulic bale density control (Optional).

D - Heavy duty knotters designed for years of reliability, works with plastic and sisal twine.

E - Twine boxes are located either side of the baler for easy twine replenishment.



Fuss-free baling with the MF 1839 baler

The MF 1839 baler is based, uniquely, on a 'centre-line' design in which the crop flows through the baler in a straight line. No-fuss, no time wasted, just perfectly formed bales everytime.

Easy on the road, easy in the field

You'll notice the first advantage before reaching the field. Even though the MF 1839 features a wide pickup, transport width is exceptionally narrow because of the in-line design allowing easy access to narrow lanes and awkward gateways. And when you get to the field, there is no need to manhandle the baler from a 'transport' position to a 'work' position – you just lower the pickup and start baling.

Wide, centre-mounted pickup

The 1.9 metre wide pickup features a small diameter, 'low-profile' design with closely spaced tines ensuring that windrows are picked up cleanly with minimal disturbance and leaf loss. Gauge wheels, fitted as standard, further help the pickup to follow uneven ground contours, avoiding pickup tine damage. The MF 1839 has a four tine bar pickup for higher throughput.

As soon as the crop enters the pickup, centring augers move the material into the centre of the baler. This ensures equal material distribution, improves crop feed and prevents the bale from becoming 'banana-shaped'.

Less work for the plunger

The crop is delivered into the pre-compression chamber where the flake is pre-formed before entering the main chamber. This ensures a well-shaped bale is formed improving bale density and reducing stress on components giving improved baler durability.

Short stroke, high speed plunger

The pre-formed slice concept enables the baler to operate with a shorter plunger stroke, significantly reducing plunger bearing wear whilst generating a greater number of bales.

- ✓ **Low-profile, wide pickup**
- ✓ **High crop-flow rate**
- ✓ **Even material distribution**
- ✓ **Pre-formed flakes**
- ✓ **High density bales**
- ✓ **High capacity baling**
- ✓ **Centre-line pull, ideal for the attachment of rear accumulators**
- ✓ **Simplicity of use**
- ✓ **Low maintenance**
- ✓ **Built-in safety protection (Slip and overrun clutches and needle protection)**

01 'Centre-line' design eliminates side drafts and crop remains in a straight line from pickup to final bale.

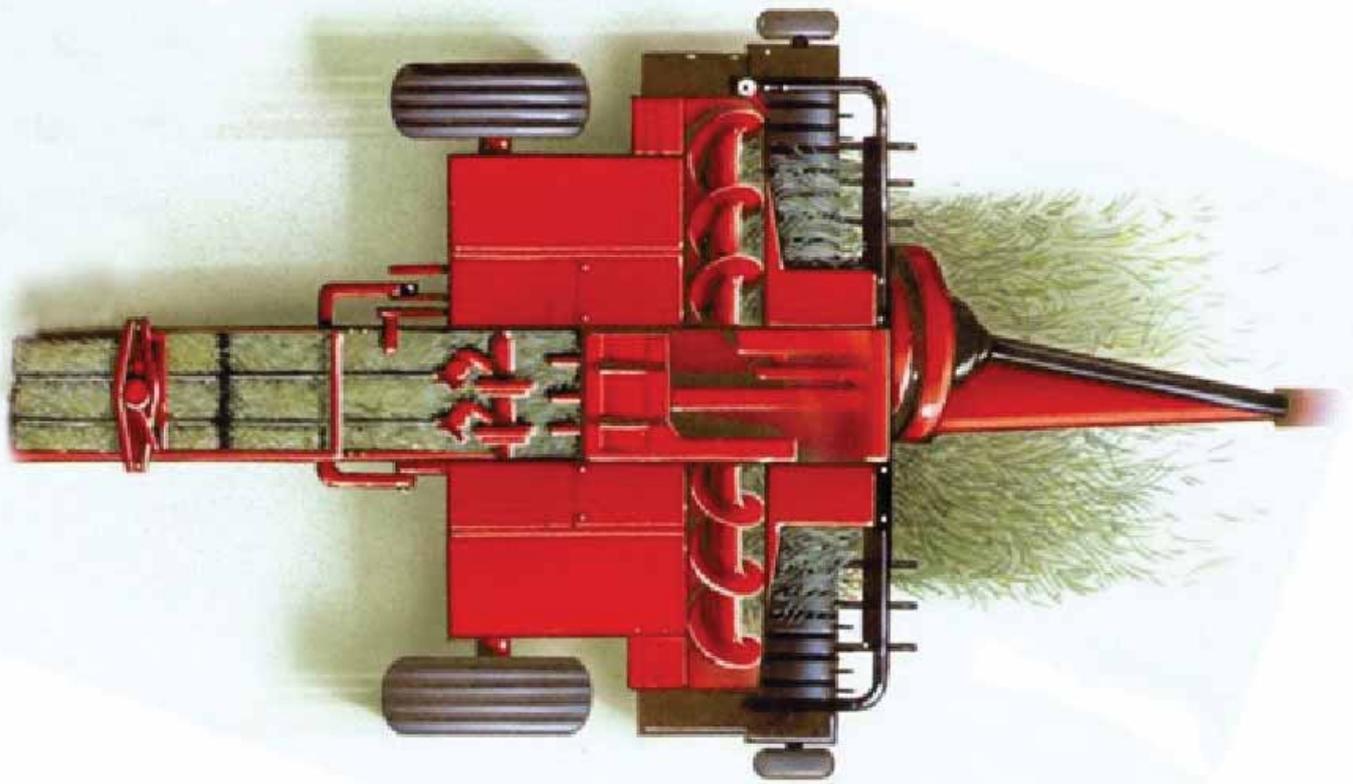
02 Crop flow

A Crop is moved from the pickup into a pre-forming chamber.

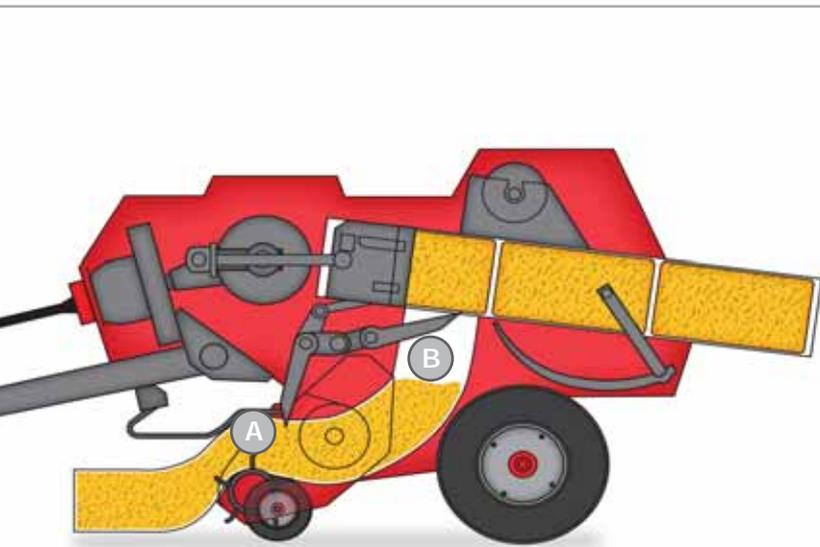
B The packer then pushes the pre-formed flake into the bale chamber.

03 MF 1839, 1.9 m 'low profile' pickup.

04 Perfectly formed bales.



01



02



03



04

05

Accuracy in operation

Every part of the MF 1839 baler is designed to give accuracy, reliability and productivity. The MF 1839 offers outstanding bale density and a precision knotter system as well as easy servicing and maintenance ensuring that your baler works to its full potential for years to come.

Manual bale density control

Quick adjustment of the heavy-duty tension springs on the manual bale density system ensures the correct amount of pressure is applied to the top and bottom rails. Bales are therefore produced to your exact specification.

Hydraulic bale density control (optional)

The hydraulic bale density control provides a more effective means of controlling bale density than the spring controlled rails. The hydraulic system uses its own self-contained pump and reservoir. The operator selects the pressure required to build a specific weight bale. As conditions become damper or dryer, the density cylinder will retract or extend to maintain the desired bale weight, keeping the bales more uniform and saving the operator the time it would take to re-adjust the manual density springs.

Rugged knotter design

The knotters are designed and built to operate reliably season after season, with minimum fuss or maintenance, whether using plastic or sisal twine.

Power requirements

The centre-line design, with its more efficient crop handling, helps to keep tractor power requirement low.

Twine boxes

Located either side of the baler, the twine boxes hold 3 balls of either plastic or sisal twine on each side. Thanks to the positioning of the two boxes, routing to the knotter is closer and easier.

01 Massey Ferguson knotters are designed for high throughput with minimal maintenance.

02 Easily accessible twine storage and straight forward twine routing.

03 Manual spring loaded density control.

04 Hydraulic bale density pump, gauge and control valve (optional).





Customer testimonial

“We run a mixed farm of around 400 acres, about 250 of which are down to various grasses which we bale as quality haylage for a number of equestrian customers. The rest is mainly wheat and barley. The haylage business has grown and grown and we’re now averaging between 8000 and 9000 bales a year. Over four seasons’ use, the MF 1839 baler has never once let us down - no knotter or shearbolt problems - in fact, it’s been 100% reliable. All it needs is 10 minutes routine maintenance before we get going. It produces nice, firm bales for stacking and will go as fast as the sledge will let it. Our customers are very pleased with the quality - and so are we.”

Andrew Hall, Forest Hall Farm, Easingwold, York, UK

Optional extras

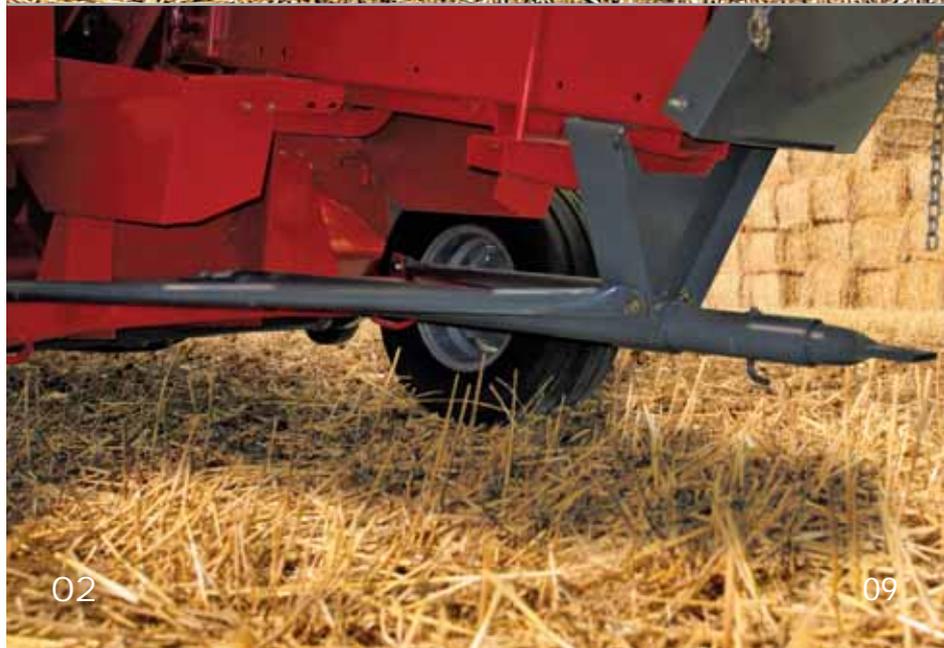
A range of optional extras are available to complete the MF 1839 baler package.

01 A hydraulic pickup lift is available for fast field change and avoiding obstacles.

02 A drawbar is available for attaching bale sledges easily and in the right place.

A hydraulic bale density system can be specified to give flexibility on bale consistency and density. (See page 6).

A one-piece bale chute is also available as well as an accumulator hitch kit which allows the operator to tow a bale sledge.



Customer support

Dedicated service and dynamic support.

Massey Ferguson is a truly global brand with machines operating all over the world, and behind every Massey Ferguson machine is the powerful after sales support of AGCO's Customer Support organisation.

Industry benchmarking shows that AGCO offers customers world-class parts and service support, and this is never truer than in support of our harvest machinery both in and out of season.

In season excellence

The Harvest Support Programme is designed to be extremely dynamic and able to adapt immediately to changing conditions. Each harvest experience in every country is used to continuously enhance the comprehensive service. Key elements include:

- A dedicated harvest parts warehouse guaranteeing superb parts supply and availability, and enabling a direct and rapid logistical response.

- 24/7 AGCO Parts warehouse and Customer Service facilities for MF European baler markets.
- Dealer direct access to on-line parts ordering 24/7 with full visibility of parts availability throughout the European warehouse network round-the-clock.
- Exceptional services such as late cut-offs, special transport, 'Eurodirect' deliveries throughout Europe direct to MF dealers and customers, and collection services
- Specialist technicians with expert product knowledge supporting local markets.
- Local dealer commitment to the highest levels of service by operating 'out of hours' parts and service support.

Year round distinction

Naturally we recognise that supporting our harvest equipment goes beyond the harvest period.

All Massey Ferguson machinery benefits from year round focus in the form of both the exceptional standards provided by AGCO Parts as well as specific servicing packages:

- Industry-leading parts supply through AGCO Parts' state-of-the-art warehousing and logistics.
- Genuine parts from AGCO Parts, the only genuine supplier, guaranteeing the right fit, first time, every time.
- Well-qualified parts specialists and highly-trained service technicians providing dedicated service support and technical solutions.
- After sales solutions for all ages of machinery for maximum uptime in every situation.
- Specific focus on preventative maintenance through comprehensive pre- and post-season health checks.
- Long term reliability from affordable servicing and maintenance packages.

After sales support from AGCO Customer Support is about providing the best solution to our customers' needs through world-class parts and service; providing the local service to the global brand.



Specifications

Every effort has been made to ensure that the information contained in this publication is as accurate and current as possible. However, inaccuracies, errors or omissions may occur and details of the specifications may be changed at any time without notice. Therefore, all specifications should be confirmed with your Massey Ferguson Dealer or Distributor prior to any purchase.

Bale Size		MF 1839
Cross section	mm (in)	457 x 356
Length	mm	305 - 1321
Dimensions and Weights		
Overall width	mm	2600
Transport width	mm	2600
Overall length – less bale chute	mm	4300
Overall length – with bale chute	mm	5200
Overall height	mm	1700
Approx. weight	kg	1497
Main Drive		
Protection	Slip clutch, overrunning clutch and flywheel shearbolt	
Gearbox type	Hypoid with tapered roller bearings	
Pickup		
Lift/lower	Manual adjustment	
Panel to panel - outside	mm	2264
Effective working width	mm	1928
Width - outside tine to outside tine	mm	1782
Number of tine bars	4	
Number of double tines	56	
Drive protection	Torque limiter	
Auger diameter	mm	280
Tyre size	mm/inches	305 x 457/3x12
Feeding System		
Packers	Crank type with 4 tines	
Protection	Shearbolt	
Plunger		
Speed	strokes/min	100
Length of stroke	mm	550
Number of plunger roller bearings	8	
Tying mechanism		
Number / type of knotters	Two heavy duty single knotters	
Twine type	Plastic or sisal	
Capacity	6 balls	
Tyres		
Standard	31 x 13.5 - 15, 8-Ply	
Lights		
CE road lighting	●	
Bale density control		
Manual spring loaded density rails	●	
Hydraulic density control	○	
Tractor Requirements		
Recommended PTO horsepower	Hp / kW	60 / 45
PTO operating speed	rev/min	540
PTO type	Type 1 1 3/8" 6 spline CV PTO shaft	
Hydraulics spool valve requirement	min / rec	One (if hydraulic pickup fitted)
Optional Equipment		
Hydraulic pickup lift, hydraulic bale tension, Trailer/wagon hitch		

- = Standard
- = Optional
- = Not applicable/
available



MF 1839 highlights

Here's a quick reminder of some of the excellent features that makes the MF 1839 baler a worthwhile investment for your business.

- 01 Unique centre-line construction; designed to run in-line directly behind the tractor for unrivalled convenience and field efficiency. Allows better weight distribution and reduces ground compaction.
- 02 Field and transport positions are one and the same. You never have to move bales out of the way when opening up a field or jockey through gateways. Narrow overall transport width of 2.6 m.
- 03 1.9 m wide pickup with centering augers increases baling capacity by evenly filling both sides of the bale chamber, creating uniform shaped bales. Dual pick-up gauge wheels help to maintain a healthy feed and avoid tine damage.
- 04 The low profile pickup gently lifts the crop a short distance and feeds it directly into a pre-packer chamber, reducing crop damage and leaf loss. Improves crop feed and allows for an increased working speed.
- 05 Bale flakes are pre-formed before being swept straight into the bale chamber ensures consistent feeding of material.
- 06 100 strokes per minute from the high-speed plunger means increased output.
- 07 The Hesston design of knotters guarantees years of trouble free maintenance. Rugged design for excellent reliability bale after bale.
- 08 Optional hydraulic bale density control; As crop conditions vary across the field and at different times during the day, the system automatically adjusts the pressure on the tension rails to ensure consistent bale shape and density.
- 09 Adjustable hay resistor doors: Complement the pressure from the top and bottom rails for controlled bale density.