

MF1800

Range of three centre-line small rectangular balers



VISION INNOVATION LEADERSHIP QUALITY RELIABILITY SUPPORT PRIDE COMMITMENT



MASSEY FERGUSON

'Simple design for maximum output'

The MF 1800 Series is a range of three 'centre-line' small rectangular balers with pick-up widths of 1.5 to 2.0 m. The wide pickup is available on either a 'standard' duty model (the MF 1837) or a 'heavy duty' model (the MF 1839), which is ideal for high usage or contracting. All three models produce bales that are the right size for easy handling or feeding, and the right density for efficient storage and transport. They have a low power requirement and the low profile pick-up ensures good feeding without damage in all crops.

Advanced design, high output

The MF 1800 Series is based, uniquely, on a 'centre-line' design in which the crop flows through the baler in a straight line. This gives a host of advantages when compared with conventional baler design.

Easy on the road, easy in the field

You'll notice the first advantage before reaching the field. Even though the MF 1837 and MF 1839 feature a wide pick-up, transport width is exceptionally narrow because of the in-line design. 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 pick-up and start baling.

Wide, centre-mounted pickup

The wide pick-up - 1.5 metres on the MF 1835 and 2.0 metres on the MF 1837 and 1839 - 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 on all models, further help the pick-up to follow uneven

ground contours, avoiding pick-up tine damage. The MF 1839 has a four tine bar pick-up for higher throughput.

As soon as the crop enters the pick-up, centring augers move it into the pre-forming chamber opening. Stuffer fingers then feed it in a straight line, with minimum leaf loss and disturbance, into the pre-forming chamber where it is pre-compressed into a slice before entering the bale chamber.

Less work for the plunger

The pre-formed flake is then pushed into the bale chamber where the plunger further compresses it into the bale. As the stuffer fingers have already separated the flake, the (bottom mounted) knife only has to trim the pre-formed slice. This reduces plunger load, improves bale density and shape...and reduces 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.

The shorter plunger stroke also means that plunger speed can be increased, giving greater capacity and higher productivity.

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 as low as possible, giving a minimum PTO power requirement of only 30 hp on the MF 1835 and 35 hp on the MF 1837 and 1839.

Optional extras

- A hydraulic pick-up lift is available for fast field change and avoiding obstacles.
- A hydraulic bale tensioner can be specified to give flexibility on bale consistency and density.
- A drawbar is available for attaching bale sledges easily and in the right place.



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01 High ground clearance gives protection from damage.

02 Crop is moved from the pick-up into a pre-forming chamber.

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

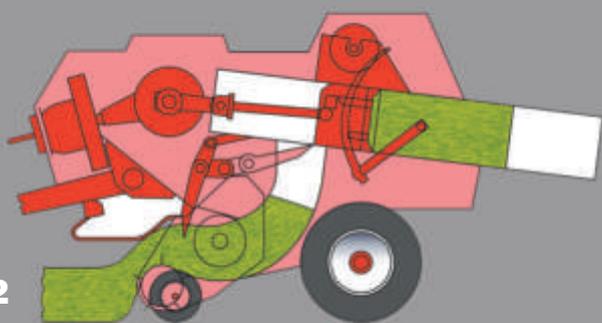
04 MF 1837/1839, 2.0 m low profile pick-up.

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

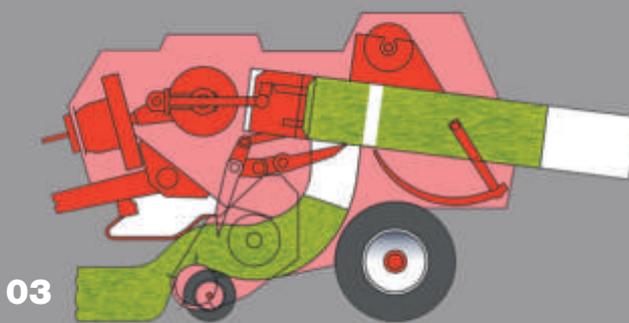
06 Adjustable pickup height.

07 Reliable twine routing.

08 Hydraulic bale density control (optional).



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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 combine 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.



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01 Ensuring the best service support. 02-04 Industry-leading parts supply from AGCO Parts. 05 Lifetime support for all Massey/Ferguson machines.

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Our promise to you

Our mission at Massey Ferguson, since the company was founded, has been to design, engineer and manufacture reliable, trustworthy and innovative machinery. Machinery that people recognise the world over.

VISION

Our vision for the world of agricultural machinery has always been clear; to produce worthwhile and innovative solutions for professional farmers feeding the world. Always recognisable, the Massey Ferguson brand of products signifies technological advancement, enhanced design, strict testing and quality manufacturing which is consistently trustworthy and hardworking.

INNOVATION

We've always been one step ahead when it comes to innovation. Our founder, Harry Ferguson is proof of that.

Through continual questioning and analysis of customers' needs, our products are designed, tested and built to enhance productivity, efficiency and convenience, constantly pushing the boundaries of farm machinery.

From the simplest push of a button to technological innovations in engine and transmission efficiency, we strive to make life simpler for the operator.

LEADERSHIP

Massey Ferguson is the most widely sold agricultural machine in the world, making us the leaders in the agricultural arena. We've won awards for our class-leading technology and advancement in design and we're already driving ahead, environmentally and economically.

QUALITY

It takes certain distinctive attributes to make a quality product. At Massey Ferguson, this distinction starts at the drawing board and doesn't stop. Every stage of manufacturing, from the building and testing process to sourcing the best components, demands excellence. Our products and services meet the most stringent standards allowing us to deliver our promises, confidently.

RELIABILITY

We don't let a Massey Ferguson machine out of our sight until we are 100% sure it will perform to the high standards you expect. Only after rigorous and painstaking testing both in simulations and in the field, will we allow our products to leave the factory. Whatever you put your machinery through, day after day, season after season, we can guarantee we've already tested those limits and gone beyond them.

SUPPORT

Agriculture can be a solitary business, that's why we make sure that you can get support whenever you need it and at crucial times of the year. Be assured of sustainability from more than 3,200 dealer outlets in over 140 countries and a comprehensive machinery distribution network, you'll be part of dedicated family of specialists who make it their business to give you genuine, top quality service support.

Equally, we won't let an opportunity slip through your fingers. If you have the commitment but not necessarily the financial resources to compete in today's market-driven climate then AGCO Finance could have the solution. Ask your local dealer for more information.

Financial options are market specific but can include leasing, hire purchase, contract hire and loan facilities.

PRIDE

Here at Massey Ferguson, pride means many things to us. It's in everything we do and it shows. It's in our proud heritage, our unique product design and our ongoing support to our customers.

COMMITMENT

We are deeply committed to delivering the highest of expectations and to build quality, reliable products with innovative features that are backed by the best support packages. Ultimately, we are committed to continuous growth and profitability for all, whilst recognising the needs of both large and small businesses through professionalism and quality.

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 1835	MF 1837	MF 1839
Cross section	mm (in)	356 x 457 (14 x 18)	356 x 457 (14 x 18)	356 x 457 (14 x 18)
Length	mm	305 - 1321	305 - 1321	305 - 1321
Density control		Spring loaded rail		Spring loaded rail or hydraulic
Dimensions and Weights				
Overall width / height	m	4.27 / 5.18	4.27 / 5.18	4.27 / 5.18
Overall length – without / with bale chute	m	2.36 / 1.65	2.36 / 1.65	2.36 / 1.65
Weight	kg	1224	1383	1497
Plunger				
Speed	strokes/min	92	100	100
Length of stroke	mm	550	550	550
Rollers - number / type		7 / Sealed ball bearing		8 / Sealed ball bearing
Pick-up				
Width – inside panel to panel	m	1.55	1.93	1.93
Width – tine to tine	m	1.39	1.78	1.78
Number of tine bars		3	3	4
Number / type of tines		33 / double	42 / double	56 / double
Tine spacing	mm	66	66	66
Augers, diameter	mm	330	330	280
Protection		Belt drive		Torque limiter
Gauge wheels		2, one per side		
Feeding System				
Packer		Crank type, 4 tine		
Protection		Shearbolt		
Tying Mechanism				
Type / number of twine balls		Twine tie / 4		Twine tie / 6
Twine type		Plastic or sisal		
Protection		Standard		
Tyres				
Flotation		9.5L x 14	11L x 14	31 x 13.5-15
Pick-up		3 x 12		
Tractor Requirements				
PTO horsepower (minimum 540rpm)	hp (kW)	30 (22)	35 (26)	35 (26)
Optional Equipment				
		Hydraulic pick-up lift Hydraulic bale tension Trailer hitch		

MF 1800 highlights

Here's a quick reminder of some of the advanced features of the MF 1800 Series balers that has taken them to new levels of efficiency and output.

- 01** Designed and built in Hesston; the home of square balers.
- 02** Straightforward design means that from road transportation to 'no-fuss' baling, the MF 1800 series baler is compact, easy-to-use and even easier to handle.
- 03** The wide centre mounted pick-up ensures precise baling and minimal damage to the crop in all conditions.
- 04** Dual pick-up gauge wheels help to maintain a healthy feed and avoid tine damage.
- 05** Robust, hard-wearing components, protected transmissions and durable bodywork means the MF 1800 Series will withstand the toughest harvest, season after season.
- 06** For high output and maximum reliability, all MF 1800 Series balers can be used with either sisal or plastic twine.
- 07** The 'centre line' design, with no crop direction changes, means power requirement is kept to a minimum, needing only 30hp of PTO power on the MF 1835 and 35hp on the MF 1837 and 1839 models.

