

MF SB 1800 SERIES

MF SB 1840 AND MF SB 1842S IN-LINE SMALL SQUARE BALERS



OUTSTANDING
DESIGN
**ULTIMATE
PERFORMANCE**



MASSEY FERGUSON

BORN TO **FARM**

EFFICIENT BALING SOLUTIONS TO MEET YOUR NEEDS



Developed by baler specialists at the renowned Hesston factory, the MF SB 1800 Series in-line, small square balers, set the standard for reliability, efficiency and bale quality.

Making standard, 18" x 14" (457 x 356 mm) bales, the MF SB 1800 Series has earned an enviable reputation for its robust engineering, high performance and dependability with low running costs.

MF SB 1800 Series balers use the well-proven in-line design, pioneered by Hesston, which works in the same way as a mini large square baler. The crop does not turn

before entering the chamber, which improves efficiency and provides many benefits compared with conventional machines. It also makes it considerably easier to transport.

There is a choice of two models, with the popular MF SB 1840 ideally suited to work in a range of operations from farms through to professional contractors. The super heavy-duty MF SB 1842S is designed to deliver maximum outputs for specialist contractors and professional users.

IN-LINE DESIGN
BEST ON THE ROAD AND IN THE FIELD



08

12 RENOWNED KNOTTERS

10 PRE-FORMING AND CROP FLOW



14 STANDARD EQUIPMENT

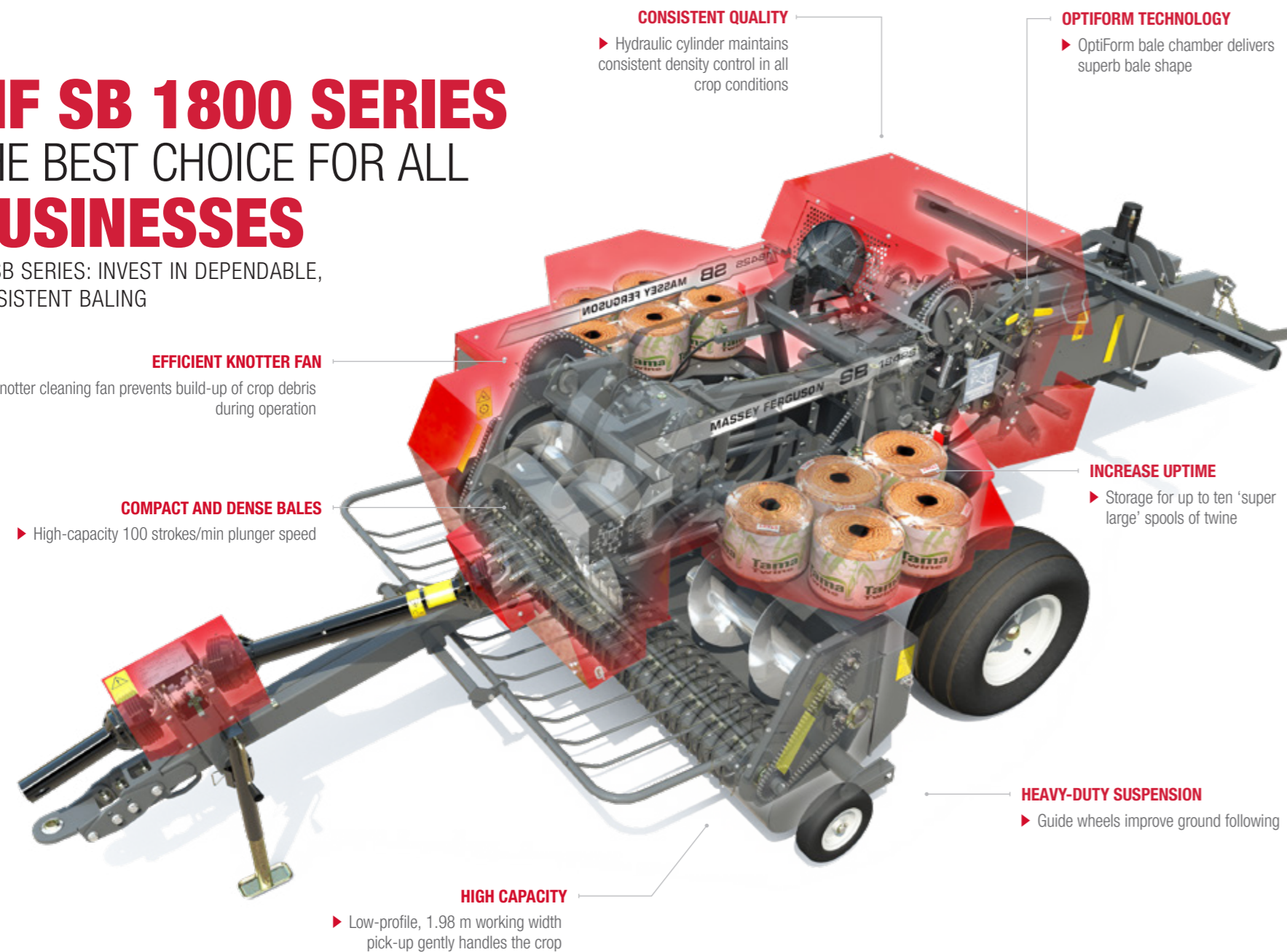


- MF SB 1800 SERIES THE BEST CHOICE FOR ALL BUSINESSES 04
- LEADING THE WAY IN ADVANCED HAY & FORAGE TECHNOLOGY 06
- IN-LINE DESIGN 08
- PRE-FORMING AND CROP FLOW 10
- RENOWNED KNOTTERS 12
- STANDARD EQUIPMENT 14
- PARTS AND SERVICE 16
- TECHNICAL SPECIFICATIONS 18

MF SB 1800 SERIES

THE BEST CHOICE FOR ALL BUSINESSES

MF SB SERIES: INVEST IN DEPENDABLE, CONSISTENT BALING



CONSISTENT QUALITY

► Hydraulic cylinder maintains consistent density control in all crop conditions

OPTIFORM TECHNOLOGY

► OptiForm bale chamber delivers superb bale shape

EFFICIENT KNOTTER FAN

► Knotter cleaning fan prevents build-up of crop debris during operation

COMPACT AND DENSE BALES

► High-capacity 100 strokes/min plunger speed

INCREASE UPTIME

► Storage for up to ten 'super large' spools of twine

HEAVY-DUTY SUSPENSION

► Guide wheels improve ground following

HIGH CAPACITY

► Low-profile, 1.98 m working width pick-up gently handles the crop



MF SB 1800 SERIES 'IN-LINE' BALERS ARE RENOWNED FOR THEIR ROBUST ENGINEERING, STRAIGHTFORWARD OPERATION AND CREATING PERFECTLY FORMED, SMALL RECTANGULAR BALES.

Whether you are making a few hundred or thousands of bales, the MF SB 1840 and MF SB 1842S produce dense, consistent, well-formed bales that are the right size for handling and feeding.

MF SB 1800 Series balers, with their novel in-line design, have earned a great reputation for producing consistent, high-quality bales with economical operation from its low power requirement and running costs.

The MF SB 1840 baler, with its robust and durable design ensuring years of reliable service.

Key to the straightforward operation and bale consistency, is how the crop moves from the 1.98 m wide pick-up in a straight line, directly into a pre-forming chamber where packer forks push pre-formed flakes into the chamber.

For optimum output, use the latest MF SB 1842S. Developed specifically for professional users, this high-capacity model employs well-proven, components from Massey Ferguson's leading large square balers. These combine to deliver considerably higher outputs for operators needing significant extra feeding capacity, much greater outputs and higher densities.

	MF SB 1840	MF SB 1842S
Bale size	Width 457 mm x Height 356 mm	
Bale length	700 mm – 1,320 mm	
Crops	Straw, hay, low moisture haylage	
Recommended PTO horsepower	75 HP	90 HP
Working pick-up width	1.98 m	
Density control	Manual springs or automatic hydraulic	automatic hydraulic

VIRTUAL REALITY

USE YOUR SMART PHONE TO STEP INSIDE THE MF SB 1800 SERIES



STEP 1

Use a QR code reader app. Download it for free from App Store or the Google Play Store.



STEP 2

Open the app and scan this QR code...



STEP 3

...and take a closer look at your Massey Ferguson small square baler.

Live the eXperience in 2D, moving your smartphone around in all directions or using your fingers.



STEP 4

Live the full VR 3D Experience by clicking on the dedicated icon and use in combination with a pair of VR glasses.

MF HAY TOOLS & FORAGE

LEADING THE WAY IN ADVANCED HAY & FORAGE TECHNOLOGY



MASSEY FERGUSON HAS ALWAYS STOOD FOR INNOVATIVE TECHNOLOGY, outstanding quality and a personal passion for the service of agriculture. We offer our customers around the world an extremely wide range of products in terms of Mowers, Tedders, Rakes and Balers. Through close contact with farmers and agricultural contractors, our machines are constantly undergoing further development to enhance their performance, efficiency and quality. In this way, even the most diverse markets can benefit from these ongoing improvements. Massey Ferguson's objective is to provide every customer with the optimum solution for their farming requirements.



MASSEY FERGUSON MF SB 1800 SERIES BALERS ARE DESIGNED AT THE AGCO CENTRE OF EXCELLENCE FOR SQUARE BALERS IN HESSTON, KANSAS, USA.



Hesston has been the hay and forage innovator since 1947, when it developed the first commercially available self-propelled windrower. Holding hundreds of patents, its industry innovations include the original hydrostatic windrower, the first centre-pivot mower-conditioner and large square baler – which has nearly 50 individual patents of its own.

Today, Hesston is home to a dedicated team of engineers who continue to lead the way in advanced hay and forage technology.

IN-LINE DESIGN
BEST ON THE ROAD...



...AND IN THE FIELD

THE MF SB 1800 SERIES' SUPERIOR IN-LINE DESIGN ENABLES THE BALER TO RUN IN A STRAIGHT LINE, DIRECTLY BEHIND THE TRACTOR.

This offers unrivalled operating convenience and field efficiency as well as improving weight distribution, which reduces soil compaction.

Baling with the MF SB 1800 Series is carried out with the crop moving in a straight line. Working like a mini large square baler, this in-line feed improves efficiency because the crop is never turned before entering the chamber.

You will notice the benefit of the novel in-line system even before reaching the field. Despite the MF SB 1800's 1.98 m wide pick-up, transport is easy.

THANKS TO THE IN-LINE DESIGN THE BALER IS EXCEPTIONALLY NARROW (LESS THAN 2.7 M),

which provides easy access to small lanes and awkward gateways. There's no need to fold it for transport or work, simply lower the pick-up and start baling.



SUPERIOR FEEDING

DESIGNED FOR EFFICIENCY

SUCCESSFUL BALING STARTS AT THE PICK-UP. MF SB 1800 SERIES BALERS ARE EQUIPPED WITH PREMIUM SPECIFICATION, HIGH-CAPACITY PICK-UPS.

The 1.98 m wide, low-profile pick-up, with standard gauge wheels, gently lifts the crop and distributes it to centring augers. These help increase capacity by evenly filling both sides of the bale chamber, creating uniformly shaped bales.

Designed to deliver high capacity and gentle crop handling, the low-profile pick-ups are fitted with four, full-width tine bars with 56 double tines. These gently and effectively lift the windrow, with minimum damage to the crop and sward. From here the material travels directly, in a straight line, into the pre-forming chamber. This straightforward system, improves feeding, reduces crop damage and leaf loss while increasing overall capacity.



Pick-ups on both models lift and lower hydraulically, and are protected by slip and overrun clutches. Adjustable, heavy-duty spring suspension enables the pick-up to float across the sward, while guide wheels further help to improve ground following and avoid damage. Large diameter cross augers, on either side, convey the material to the centre of the baler and massively increase the feeding capacity, particularly in heavy and damp crops.



PRE-FORMING AND CROP FLOW

EXCLUSIVE IN-LINE CROP FLOW

Just like a large square baler, crop is fed directly into a pre-forming chamber, where the flake is formed before entering the main chamber. This ensures consistent, well-shaped bale formation, while improving density.

The straightforward system also reduces stress on the components, which enhances dependability. The short stroke, high speed plunger and pre-formed flake concept increase high capacity, producing the highest number of bales with low plunger bearing wear.

Crop from the wide, high capacity pick-up is moved to the centre of the baler by two cross augers. From here it moves directly, in a straight line, into the pre-forming chamber.

Material from the pre-forming chamber is moved to the main chamber by robust packers, fitted with dual, three tine forks on the MF SB 1842S and a single, four-tine fork on the MF SB 1840.



◀ ADJUSTABLE DOORS

OPTIMUM DENSITY CONTROL

Both MF SB 1800 Series machine are equipped with the well-proven OptiForm bale chamber, which makes the best shaped bales and maintains constant density. For optimum quality and consistency this is 5% longer on the heavy-duty MF SB 1842S compared with the MF SB 1840 model.

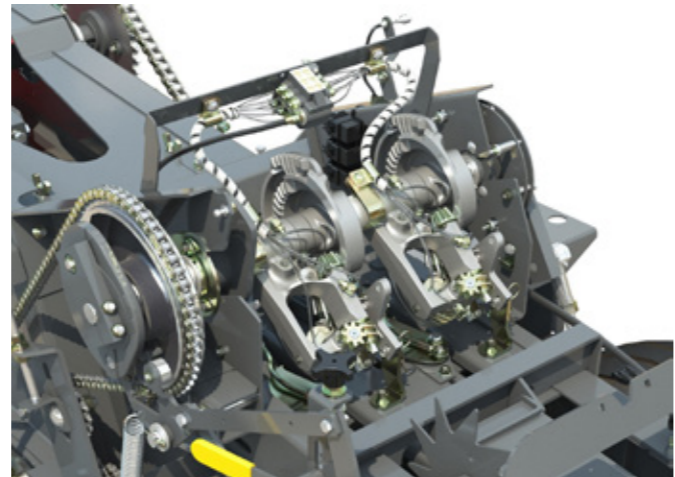
To help maintain density, even in the toughest conditions, the bale chamber is also equipped with adjustable bale chamber resistance doors. These complement the pressure applied to the bale from the top and bottom density rails.

▲ FEEDING FORKS



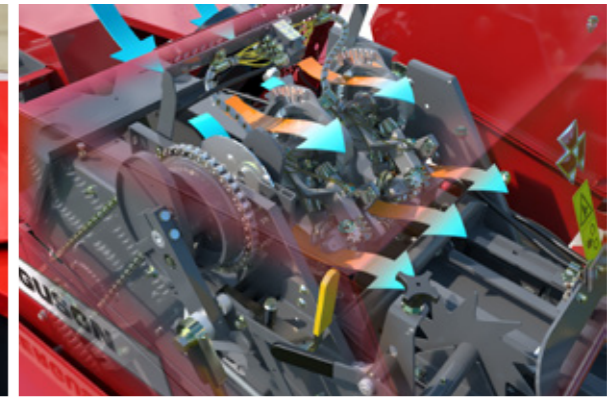
RENOWNED KNOTTERS

MF SB 1800 Series balers are equipped with rugged knotters. Renowned for their high performance, they deliver reliable operation, season after season, with minimum maintenance or fuss, whether using high quality plastic or sisal twine.

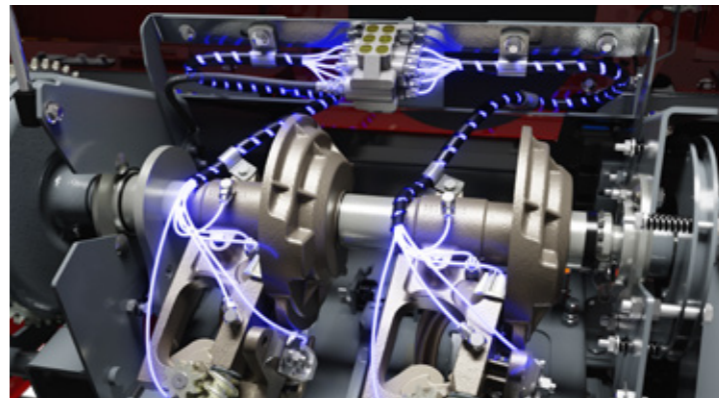


KNOTTER FAN

AN AUTOMATICALLY REVERSIBLE ELECTRIC KNOTTER FAN IS FITTED AS STANDARD TO BOTH MF SB 1800 BALERS AND ENSURES THE KNOTTERS ARE KEPT CLEAN AND FREE FROM ANY DEBRIS BUILD-UP DURING OPERATION.



◀ The fan draws air from the front and blows it across the knotters and out of the rear cover. The system stops every 15 minutes and reverses the fan, which blows away any build ups of dust and debris.



◀ **CENTRALISED-KNOTTER GREASING**
A central greasing system for the knotters, which is fitted as standard on the MF SB 1842S, and an option on the MF SB 1840, maintains smooth running and increases reliability.

STANDARD EQUIPMENT

LONG TIME WORK CAPACITY

The MF 1800 SB series carries 10 spools of twine which are enough for the longest workdays. The large dimension of each compartment allows 'super large' size twine spools to be used, enabling even more twine to be carried and therefore more bales produced per twine fill-up



EASY ADJUST BALE LENGTH

Straightforward 'Easy Adjust' lever allows bale length to be simply adjusted on both models without using tools. Bale lengths can be set between 700 mm to 1,320 mm (28" to 52").



HYDRAULIC BALE DENSITY CONTROL

Automatic regulation of the force on the OptiForm bale chamber's pressure rails ensures consistent bale density is maintained as conditions vary across the field and throughout the day.

HYDRAULIC DENSITY CONTROL RAM

The control ram applies pressure to the top density rail and bottom rail via lift rods.



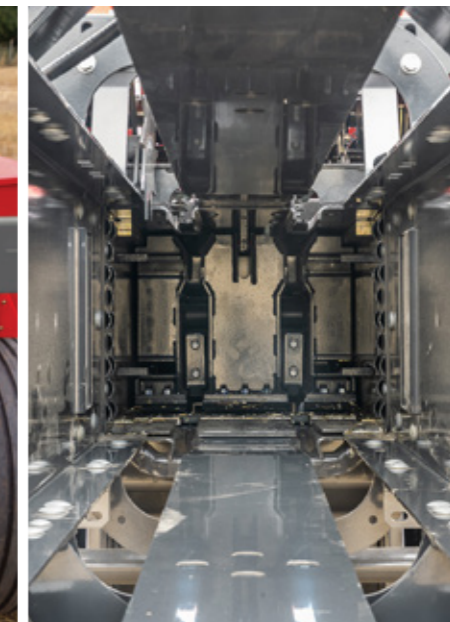
SYSTEM CONTROL

A small hydraulic reservoir, pump and pressure regulator at the front of the baler control the oil pressure in the density control cylinder.



OPTIFORM BALE CHAMBER

To help maintain density in the toughest of conditions, the bale chamber is also equipped with adjustable resistance doors. These help to complement the pressure applied to the bale from the top and bottom density rails



ADJUSTABLE LENGTH DRAWBAR

For field use, a heavy-duty drawbar is available for attaching bale accumulators and collectors easily and in the right place.



THE
PERFECT
FIT

PARTS AND SERVICE

FROM THE MOMENT YOU PURCHASE YOUR MASSEY FERGUSON MACHINE YOU ARE SUPPORTED BY THE EXPERTISE OF OUR **AFTERSALES TEAM.**

Always by your side to help maximise your profits and efficiency.

Supplying everything you need for your machine to perform at its best.



YOUR MACHINE EXPERTS

You can rely on your Massey Ferguson Dealer for servicing, maintenance and repairs and trust their advice on the latest smart farming solutions, innovative accessories and replacement parts.

Your Massey Ferguson Dealer will supply you with all the farming essentials you need from lubricants to kits.

With skilled technicians and expert staff, our dealers pride themselves on always delivering excellent customer service.



GENUINE PARTS, GENUINE VALUE

Premium quality parts with best-in-class availability, AGCO Genuine Parts offer excellent value. Engineered to be the perfect fit for your Massey Ferguson. Designed to safeguard your machine value and protect your uptime.

AGCO Parts are covered by a 12-month warranty, including labour when fitted by a Massey Ferguson Dealer.



AGCO FINANCE

YOUR PARTNER TO GROW YOUR BUSINESS.

As the financial services provider for Massey Ferguson, we help you obtain your MF equipment through our tailored finance solutions, enabling usage or ownership of the world's best agriculture equipment.

Full Reliability: 30+ years of agricultural industry experience around the globe.

Full convenience: Conveniently available through your local MF Dealer.

Full Partnership: We are with you along the way, through your entire business cycle.



MASSEY FERGUSON COLLECTION

NOW YOU CAN LOOK AS STYLISH AS YOUR MASSEY FERGUSON.

We have an exclusive range of high quality products to suit you, your farming activity, your family and your lifestyle.

To find out what we have available please login into our online Shop:

Shop.MasseyFerguson.Com

For the above support packages, country terms and conditions apply. Please note all packages may not be available in all markets.

Please check with your local MF Dealer/Distributor.

TECHNICAL SPECIFICATIONS

		MF SB 1840	MF SB 1842S
Bale Size			
Cross section (width x height)	mm	457 x 356	
Bale length (minimum / maximum)	cm	70 – 132	
Pick-up			
Lift / lower		Hydraulic ram	
Width - outside to outside	mm	2,264	2,316
Width - outside tine to outside tine	mm	1,782	
Working width - DIN11220	mm	1,982	
Number of tine bars		4	
Number of double tines		56	
Tine spacing	mm	66	
Pick-up reel speed	rpm	106	145
Drive protection		Torque limiter	Slip and overrunning clutch
Cross augers - diameter	mm	330	
Pick-up tyre size	mm	305 x 89 mm (3.5 x 12 in)	
Feeding System			
Packers		Single fork with 4 tines	Dual fork with 3 tines each
Protection		Shear bolt	
Plunger			
Speed	strokes/min	100	
Length of stroke	mm	550	584
Plunger mounting		8 roller bearings	8 HD roller bearings
Plunger counter balance	kg	-	34
Tying Mechanism			
Number / type of knotters		Two heavy duty single knotters	
Knotter protection		Shear bolt	
Twine type		High quality polypropylene	
Twine holding capacity		10 spools	
Knotter blower system		Standard equipment, electric, automatically reversible	

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.

		MF SB 1840	MF SB 1842S
Bale Density Control System			
Standard		Spring loaded density rails	Hydraulic density control
Optional		Hydraulic density control	-
Adjustable bale chamber resistor doors		●	
Bolt in additional resistor bars		Supplied with one set of two bars	
Main Drive System			
PTO speed	rpm	540	
PTO size		Type 1 13/8" 6 spline PTO shaft	
PTO type		Wide angle 1 u-joint and 1 CVC joint	Equal angle with mid support
Flywheel diameter	mm	560	675
Flywheel weight	kg	103	125
Main drive protection		Slip clutch, overrunning clutch and flywheel shearbolt	
Tyres			
Standard		31x13.5-15, 8-Ply	
Dimensions and Weights			
Overall width	mm	2,600	2,640
Overall length – less bale chute	mm	4,600	5,510
Overall length – with bale chute	mm	5,500	6,430
Overall height	mm	1,700	1,730
Weight	kg - approx.	1,588	1,905
Lights			
CE road lighting		●	
Tractor Requirements			
Recommended PTO horsepower	Hp / kW	75 / 56	90 / 67
Hydraulics spool valve requirement	min / rec	One	
Miscellaneous			
EU Type Approval - 167/2013		Full compliance	
Optional Equipment			
Hydraulic bale tension		○	●
Trailer hitch - field use only		○	○

● Standard specification
○ Optional
- Not available



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BORN TO FARM