

FIXMASTER 119 • 221 • 225



EVOLVING AGRICULTURE.

SPECIALISTS IN THE ART OF BALING.



Leader in baling technology

The ability to produce top quality bales in all crop conditions sets Fixmaster balers apart from all others. Perfect shaped bales, combined with huge output and outstanding long durability,

ensure that an Fixmaster baler will be a profitable investment. DEUTZ-FAHR has many years of experience in round baler technology and this knowledge has been put to good use, to ensure ease of operation over long working

days while achieving consistently high daily outputs.

Profitable operation

Bale quality and density are fundamental to the profitable operation of a



round baler. Unique DEUTZ-FAHR innovations such as BaleTrack and Integral Rotor Technology make a real difference in field performance. Fixmaster balers have the ability to pack the absolute maximum into each bale, increasing

the potential for profitable operation by reducing the cost per ton of crop baled, whether operating in silage, hay or straw. DEUTZ-FAHR balers are designed to keep service requirements to an absolute minimum. In the event

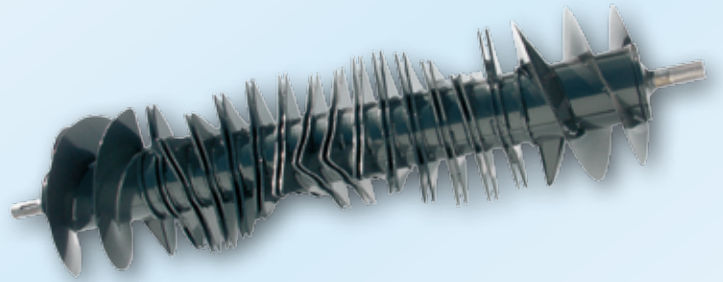
of a breakdown, an extensive network of professionally trained dealers is fully qualified to provide expert support.

PICKUP UND ROTOR.

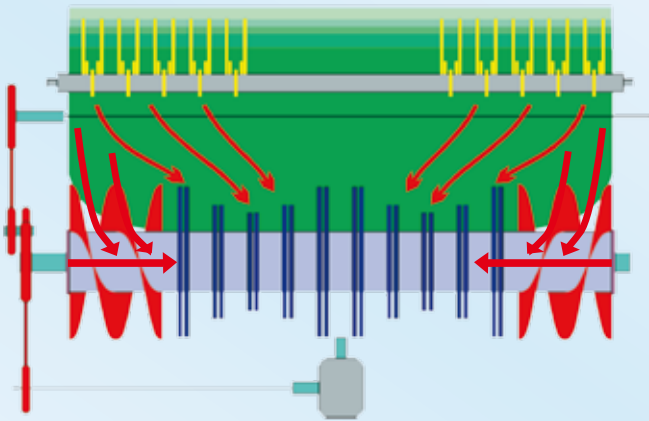
**INTEGRAL
TECHNOLOGY**



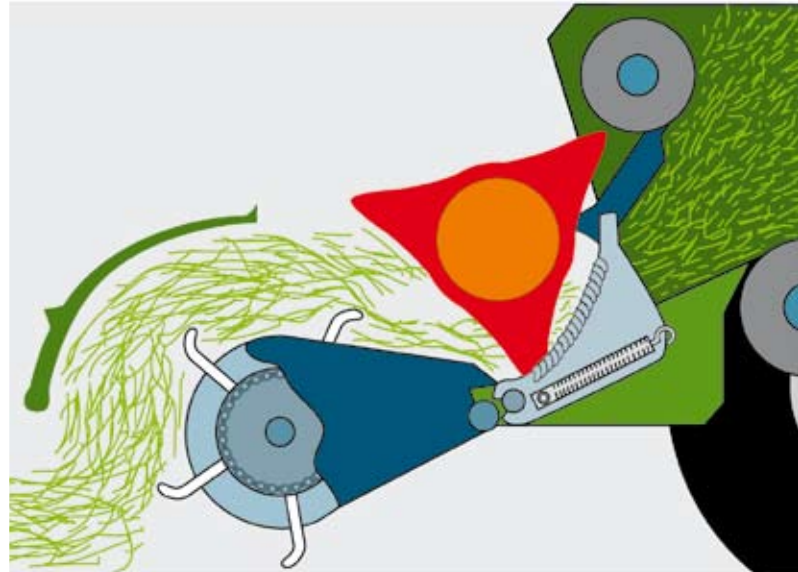
Integral rotor intake (FM 221 - 225).



OC14 cutting unit (FM 225).



Integral rotor – exclusive to DEUTZ-FAHR.



Smooth crop flow.

Integral rotor technology delivers smooth crop flow and maximum throughput

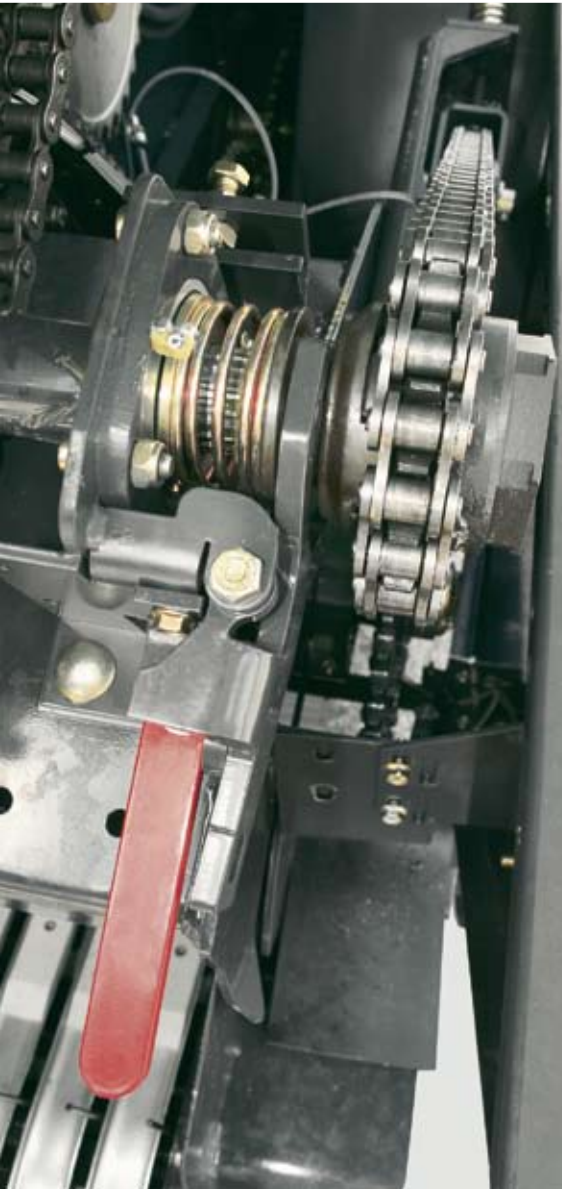
A wide, integral feed rotor ensures that the incoming crop is fed into the bale chamber in a smooth and constant flow. Using the latest rotor design with tines arranged in three rows means the heaviest swaths are fed through the optional crop chopping mechanism, leading to speedier field clearance.

Maximum Pickup capacity

Swath collection, from a 2.1m wide, galvanised Pickup – with 61mm tine spacing on the FM 225 – efficiently gathers the densest of swaths at high forward speeds. Large diameter, height adjustable guide wheels accurately carry the spring balanced Pickup over every ground contour. A crop baffle plate above the Pickup helps to even out the flow of material to the integral rotor, regardless of the crop condition.

OptiFeed – for those who don't need crop chopping

Where chopping is not required, the OptiFeed system utilises DEUTZ-FAHR's Integral Rotor Technology on FM 221 and FM 225 models. Bulky, dense, high dry matter crops can be positively fed into the bale chamber without risk of blockage.



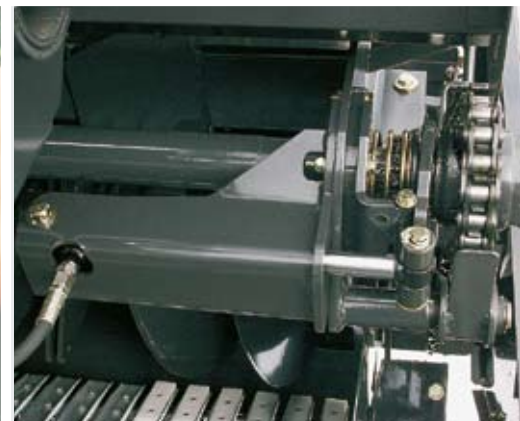
Mechanical rotor clutch.



Maximum pickup capacity.



OC14 – 70 mm cutting length.



Hydraulic rotor clutch.

Integral rotor – exclusive to DEUTZ-FAHR

The FM's wide feed rotor combines auger flights with crop gathering tines. The heaviest and widest swaths are fed in a constant flow through the OptiCut knives, giving the reassurance of smooth, progressive feed and high quality cutting – plus more bales per hour!

Super cutting quality in virtually all crops

The 14 knives of the OptiCut crop chop-

ping system deliver a chop length of 70 mm. Knives and scrapers overlap across the chopping area, delivering reliable results for the most discerning of palates.

Individual knife protection

Knives are protected by springs – any obstruction deflects knives individually, which automatically return to the cutting position when the obstruction has passed.

Fast and easy unblocking

Should a blockage occur, its clearance is straight-forward thanks to powered knife retraction and reengagement using the tractor's hydraulic system. FM 225 models have the benefit of being able to disconnect the rotor drive, should premature bale tying become necessary. (Hydraulic disconnect is available as an option).

BALECHAMBER.



Producing many thousand silage, hay and straw bales each season demands an extremely tough and well thoughtout design. In addition to packing the crop into bales of consistent size and density, the baling process has to be as effective as possible, while being gentle on the crop. With 14 BaleTrack rollers with a ribbed profile and an infinitely variable PowerLock density control system, the FM round baler range from

DEUTZ-FAHR exceeds this requirement in every respect.

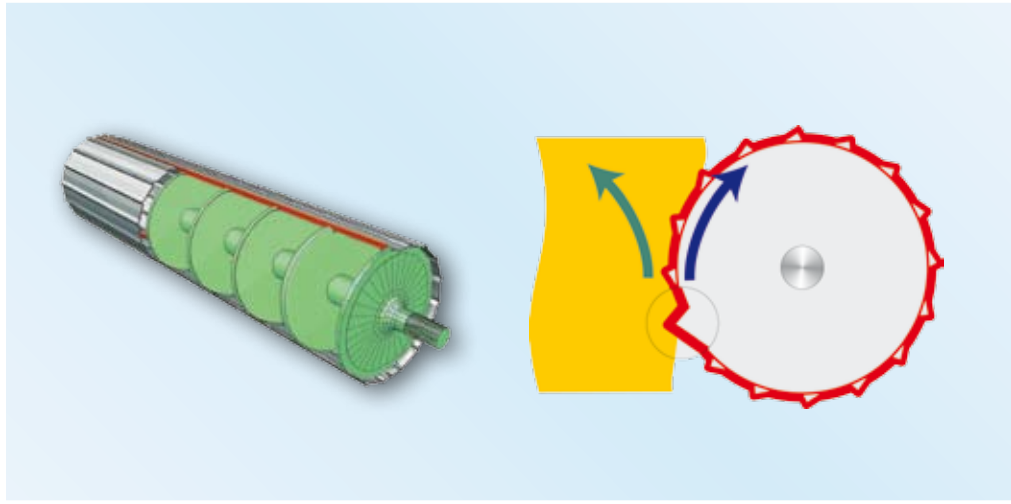
A rugged design, with attention to detail

Produced from high-grade steel, BaleTrack profile rollers are constructed from two overlapped pressed sections which are then fully seam-welded for maximum rigidity. Radial support rings located inside each section create additional strength, while the end plate and roller stub shafts

are forged in one piece, which ensures maximum durability in heavy silage crops conditions. An asymmetrical profile on the bale chamber's 14 steel rollers ensures a reliable bale turning process without stoppages – even in dry, short straw crops. Leaf loss in silage is also kept to a minimum.

Ingenious drive layout

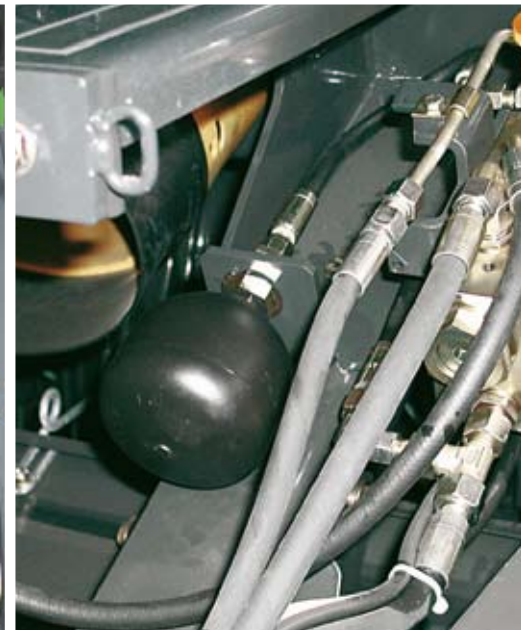
Heavy duty drivelines for the bale chamber rollers and the integral feed rotor



BaleTrack rollers with sophisticated drive layout.



14 Baletrack rollers.



PowerLock gives consistent bale density.

have proven to be the most reliable drive systems for the toughest of conditions. Each roller's heavy duty bearings are bolted onto 3mm plates used to create the bale chamber's side walls (4 mm thick on the driven side). Power is transmitted by heavy duty drive chains, affording smooth, reliable operation.

Built-in safety

The FM 221 and FM 225 are fitted with a

wide-angle drive shaft The FM 225's extra wide XL Pickup gains greater protection from an additional slip clutch. Those faced with large acreages making round bale silage will appreciate such sophisticated overload protection features, which would otherwise restrict forward speed and bale density. The results can be seen in the field: more bales per hour are produced by a baler that can be safely operated right up to its limits.

PowerLock gives consistent bale density

Strong, rear door hydraulic cylinders work in combination with a hydraulic lock valve to produce maximum baling density on demand. Peak loadings on the rear door are dispersed by an integral accumulator which contributes to delivering consistent density throughout bale formation. Those who need dales of differing densities can manually set the pressure valve to suit, up to a maximum of 170 bar.

WELL PACKED BALES ALL AROUND.



Get the DEUTZ-FAHR advantage for more efficient baling

Forwardlooking farmers and contractors pin their trust on the latest designs and economic solutions, when it comes to producing high quality forage. Longer working days and an increasing seasonal capacity dictate the high manufacturing standards which today's harvesting equipment has to meet. Don't settle for

anything less than maximum durability, productivity and reliability – don't settle for anything less than a DEUTZ-FAHR FM round baler. In close cooperation with farmers and contractors, our highly motivated team of young design engineers is constantly developing new solutions to make homegrown forage even more costeffective and with better feed quality, too. The combination of timeproven

manufacturing processes and expert staff gives the best guarantee for farmers around the world. This ensures get the quality they need from every DEUTZ-FAHR product.

AutoPlus – putting you in control

With its clear display and easy to understand graphics, AutoPlus puts you in full command of the baling process. An au-

ADVANTAGES

► AutoPlus hand held control box



AutoPlus, comfort in control.



Clean net binding.



Twine binding.



Clean twine binding without loose twine ends.

dible and visual alarm signals when the bale is complete and a choice of automatic or manual start of the tying process can be selected. Adjustment of net or twine quantity, selection of cutting knives or Pickup are all easily controlled from the tractor seat. AutoPlus also has total and daily bale counters for maximum convenience. An integral magnet and hook means the AutoPlus control box

can be quickly installed in the cab without tools. Impressive density and secure net wrapping. Using the latest net wrap application system, the FM balers ensure total coverage right to the edge of the bale. It's a system that affords considerable savings on net consumption, giving the bale excellent transport and stacking properties. The baler's front hood opens wide, giving easy access to net

wrap storage space – there's room for two rolls – enough for a full working day. Twine tying with double twine application is another cost-saving option. Both twinnes criss-cross after a few turns of the bale to ensure consistent, secure tying – the result, again, is excellent transport and stacking properties to ease future rehandling.

OPTIONS.



Pneumatic guide wheels.



Bale ejection ramp.



Brake axle.



Automatic chain lubrication.



A comprehensive choice of tyres.



TECHNICAL SPECIFICATIONS.

Type		MP 119	FM 221 OptiFeed	FM 225 OptiFeed	FM 225 OptiCut 14
Dimensions					
Overall length	m	4.43	4.43	4.43	4.43
Overall width	m	2.35	2.48	2.63	2.63
Overall height	m	2.21	2.28	2.28	2.28
Total weight	kg	1,800	2,350	2,400	2,480
Pickup					
Intake width	m	1.67	1.85	2.10	2.10
Baffle plate		●	○	○	○
Pneumatic-tyred guage wheels		○	●	●	●
Integral rotor and cutting system					
OptiFeed rotor		-	●	-	-
OptiCut integral rotor		-	-	●	14 knives
Mech./hyrd. rotor drive		-	-	-	-
Uncoupling facility		-	-	●/○	●/○
Bale chamber					
No. of rollers with ribbed profile		14	14	14	14
Bale chamber diameter	m	1.25	1.25	1.25	1.25
Bale chamber width	m	1.22	1.22	1.22	1.22
PowerLock density control system		●	●	●	●
Bale ejection ramp		○	○	○	○
Drive line					
PTO shaft with wirde-angle joint at 1 side		●	●	●	●
PTO shaft with shearbolt		●	●	-	-
PTO shaft with cam-type slip clutch		-	○	●	●
Wrapping system					
Twine capacity		●/4	●/4	●/6	●/6
Net capacity		○/1	○/1+1	○/1+1	○/1+1
Twine & net capacity		-	○/4+1	○/6+1	○/6+1
Hitching system & axles					
Top & bottom hitch		●	●	●	●
Mech./hydr./pneum. braked axle		-	○	○	○
Tyres					
11.5/80-15.3 AW		●	●	●	●
15.0/55-17 AW 10-ply		-	○	○	○
19.0/45-17 AW 10-ply		-	○	○	○
500/50-17 AW 10-ply		-	○	○	○

● = standard equipment ○ = optional equipment - = not available

DEUTZ-FAHR: A FULL RANGE OF FORAGE HARVESTING EQUIPMENT.



DEUTZ-FAHR offers you a full range of forage harvesting equipment: drum and disc mowers and mower conditioners, tedders, rakes, fixed and variable chamber round balers, big square balers, bale wrappers and loader wagons.

Continuous innovation and elaborate field testing make DEUTZ-FAHR a prominent supplier of state of the art forage harvesting equipment.

The experienced network of DEUTZ-FAHR dealers assures you of a professional after-sales service and a prompt spare parts delivery.



DEUTZ-FAHR forage harvesting machines are protected by a Duracoat powder paint coating. The result is a sealed, extremely hard wearing and attractive finish.

DEUTZ-FAHR's paint quality ensures a longer life for your machine, even in the most corrosive conditions.

This documentation is not binding. Availability of models, specifications and optional equipment may differ from country to country. Please consult your local dealer. Specifications and design are subject to change without notice. Printed in the Netherlands. © Kverneland Group F2626-GB

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