



MASSEY FERGUSON

HESSTON



**1300 SERIES**

MOWER CONDITIONERS

MEET CUTTING EDGE  
PERFORMANCE





# 1300 SERIES

**GETTING IT  
DONE RIGHT.**

AT HESSTON BY MASSEY FERGUSON, WE'VE LEARNED ONE THING FOR CERTAIN: EVERY FARM IS DIFFERENT, SO EVERY FARMER OR RANCHER HAS DIFFERENT NEEDS. THAT'S WHY WE'VE MADE SURE THERE'S A HESSTON® 1300 SERIES DISC MOWER CONDITIONER THAT'S JUST RIGHT FOR YOU, GUARANTEED TO DELIVER SMOOTH CUTTING, MAXIMUM EFFICIENCY AND UNMATCHED RELIABILITY.





**4** HESSTON 1359  
MOWER CONDITIONER



**6** HESSTON 1373 & 1376  
MOWER CONDITIONERS



**10** HESSTON 1393 & 1316S  
MOWER CONDITIONERS

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HESSTON

# 1359 MOWER CONDITIONER

A versatile, cost-efficient disc mower conditioner, the Hesston 1359 is ready to work. With seven rotary discs, it cuts a 9-foot, 3-inch swath through hay crops with ease. The rugged, side-pull hitch easily pivots for narrow transport. Add our proven hay conditioner options to match your crop conditions and you have the perfect machine for any small to mid-size operation.







**DRIVE GEARBOX** — A single gearbox drives both the cutterbar and the conditioner rolls for lower power requirements.



**CONDITIONER ROLL TENSIONING** — Conditioner rolls are tensioned by springs linked to the header lift frame. This allows the conditioner roll pressure to be fully released when in headland position.



**PIVOTING SIDE PULL TONGUE** — Allows the mower to swing behind the tractor for centerline road transport.



**TANDEM FLOTATION SPRINGS** — Dual springs on both sides of the Hesston 1359 allow you to fine-tune the header flotation on the ground. This allows you to better follow the terrain resulting in a better cut.

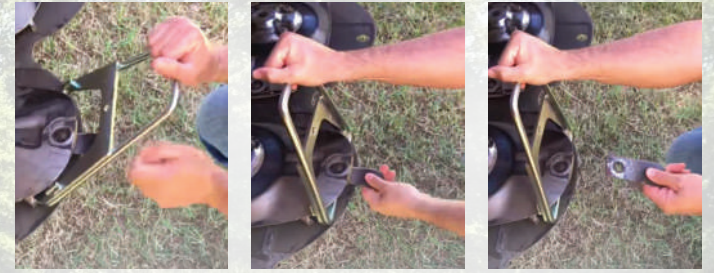
**CUTTERBAR** — The cutterbar features a tried and true design with a segmented hex shaft driving the discs via heavy duty bevel gears. This design results in an ultra durable and easy to maintenance design ultimately reducing operating cost and ensuring down time is minimal.



HESSTON

# 1373 & 1376 MOWER CONDITIONERS

If you're looking for commercial grade pull-type disc mower conditioners, look no further than our Hesston 1373 and 1376 models with our patented RazorEdge™ cutterbar. The modular, heavy-duty design makes them super durable, virtually eliminating costly downtime. Not only do the wide-profile teeth offer increased gear-to-gear contact, but the entire drivetrain is designed to always handle maximum load. An industry exclusive, the RazorEdge cutterbar's sealed bearings don't require constant lubrication, no matter the slope of the terrain. Should the worst happen, the gear spindle will shear outside the cutter bed by design, keeping contamination away from the gears.



**QUICK CHANGE TOOL** allows you to flip or change out the knives in the field with one simple tool. You simply slide the tool into the knife slot, push up and slide out the knife.







**THE RAZOREGE CUTTERBAR'S** design allows each gear assembly and adjacent idler gear to be individually removed without disassembly of the cutterbar. The spur gear design also provides a thinner profile, allowing closer cutting with less scalping.

**INTERNAL SPUR GEARS** offer contact at all times to transfer high torque and seamless power throughout the entire cutterbar. Gears are forged in house at the AGCO Power™ foundry.



**ADJUSTABLE WINDROW-FORMING SHIELDS** and a swathboard allow you to tailor the windrow size and shape to your baling or harvesting needs.

**DUCTILE CAST IRON CONDITIONER ROLL GEARBOXES** for maximum durability and power transfer.



**THE HIGH-CLEARANCE MAIN FRAME** provides an exceptional header lift height of 20 inches for better clearance over headland windrows. The added height also allows the header to be easily carried over obstacles, ditches and waterways.

**SWIVEL GEARBOX AND SUPPORT ARM** these move with the tongue to keep the driveline components in-line, for exceptionally smooth operation.



**BOLT-ON ROCK GUARDS** provide replaceable cutterbar protection.

**COUNTER-ROTATING DISCS** provide improved cut quality while minimizing crop streaking.

**HIGH-CARBON STEEL KNIVES** available in a choice of degrees and bevels to match crop and field conditions.











HESSTON

# 1393 & 1316S MOWER CONDITIONERS

Slice through tough, tangled crops at speeds that can only be attained with a rotary disc machine and the maneuverability that the Hesston 1300 Series center-pivot models can provide. Choose the Hesston 1393 with its 13-foot cutting width or step up to the Hesston 1316S with its 16-foot cutter bed.

Both models feature industry-exclusive hydraulic conditioning roll tension, engineered to deliver consistent quality hay, resulting in a high-nutrient crop that's more palatable and more valuable. A heavy-duty rear arch frame provides exceptional support and header lift of 18 inches for better clearance over headland windrows as well as ditches and waterways. Everything about this rugged, high-capacity mower series is designed to give commercial operators reliable, trouble-free performance, season after season.





# DISC MOWER SPEED MEETS CENTER-PIVOT MANEUVERABILITY.

**HERRINGBONE CONDITIONER ROLLS** — Extra-wide, 110-inch conditioner rolls increase the capacity of the header and allow the crop to be distributed into a thinner mat for more uniform conditioning.

**CAGE CROP CONVEYORS** — Rotating cages at each end of the cutter bed on the 1316S help convey crop material to the conditioner rolls while preventing crop material from wrapping on the cutter bed driveshaft.

**TOP SHIELD PROTECTOR** — Tough poly panels on the underside of the header shields absorb the impact of rocks and debris to keep the sheet metal from being dented, scraped or exposed to rust.

**TURBULENCE REDUCTION ROLL** — A turbulence reduction roll, or helper roll, located between the conditioner rolls and the cutter bed allows the conditioner rolls to be positioned farther back, improving performance in light crops and assisting crop flow in dense, heavier crops.

**PRE-LUBRICATED, SEALED BEARINGS** — Pre-lubricated bearings provide a longer life, while substantially reducing maintenance, compared to cutter beds that require regular oil checks.

**CUTTERBAR** — The RazorEdge cutterbar has a low-profile, high-contact spur gear design for even, efficient power transfer to the discs while protecting the cutterbar from foreign objects.

**ROCK GUARDS** — Smooth-profile rock guards, integrated into the cutter bed, reduce mud buildup while protecting the disc and knives from rocks and other obstructions.

**AVAILABLE QUICK CHANGE KNIVES** — Flip or change knives in the field easily, with one tool.





An aerial photograph of a rural landscape. In the upper left, a blue pond is surrounded by a dense forest of green trees. Below the pond, a large green field is visible, with a tractor and its implement working in a curved path, leaving behind distinct rows of tilled soil. The foreground shows more fields, some with visible furrows, and a white road or path. The overall scene is bright and clear, suggesting a sunny day.

# CONDITIONER OPTIONS TO MATCH EVERY NEED.

Choose the conditioner options that meet your specific crop and operating conditions. Regardless of model, the extra-wide width ensures thorough, uniform conditioning that helps increase the total value of your crop.





**STEEL-ON-STEEL ROLLS** — Designed to meet the needs of custom and commercial operators, steel-on-steel rolls feature a herringbone pattern that provides long-lasting durability while evenly distributing crop material across the full width of the rolls. They're also the best option for alfalfa, since they crimp the stems while without dislodging or bruising the leaf for faster drying while maintaining leaf quality.

**RUBBER-ON-STEEL ROLLS** — These rubber-on-steel conditioner rolls are fully engaged to crimp plant stems along their entire length so stems dry at the same speed as the leaves.

**RUBBER-ON-RUBBER ROLLS** — Featuring a herringbone tread pattern that helps improve windrow formation, our rubber-on-rubber rolls are designed for those who prefer more crushing-type conditioning action. The shallow lugs minimize leaf damage compared to deep-lug urethane rollers that tend to scuff the crop and damage the leaves.

**TINE CONDITIONER** — A good choice for grass hay, the tine conditioner uses tines, spinning at high rpm, to effectively condition the crop and force it to rub against the conditioning panel. This, in turn, scuffs the waxy coating from the plant stems, allowing them to dry faster.

MODEL	1359	1373	1376	1393	1316S
STEEL-ON-STEEL	•	•	•	•	•
RUBBER-ON-STEEL				•	•
RUBBER-ON-RUBBER	•	•	•		
TINE CONDITIONER		•	•		
LESS CONDITIONER		•	•		

Hesston 1300 Series disc mower conditioners are built to handle nearly any type of material or challenge, but certain situations call for additional equipment. That's why we offer all the options you could ever need to match your specific cropping program. These include: ▼

**Topping skids and/or skid shoes for additional ground clearance.**

**A hydraulic header tilt on select models for on-the-go cutterbar angle adjustment.**

**Filler pan kit (1393-1316S only) for enhanced performance in tall-stalk or biomass crop**



## 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.

There's a pride and responsibility built into every piece of equipment we sell, and we make it our mission to keep your machine running smoothly, every single time you turn the key.

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](http://parts.agcocorp.com) to find the AGCO Genuine 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.





# TECHNICAL SPECIFICATIONS

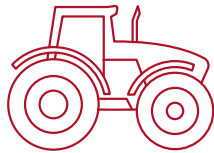
<b>Dimensions and weight</b>		<b>1359</b>	<b>1373</b>	<b>1376</b>	<b>1393</b>	<b>1316S</b>
Width of cut	ft. (m)	9.3 (2.8)	9.75 (3)	9.75 (3)	13 (4.1)	16 (4.9)
Overall width	ft. (m)	11 (3.3)	9.8 (3.0)		13.25 (4)	16.25 (5)
Weight	lbs. (kg.)	3740 (1,698)	4520 (2050)	5050 (2291)	6390 (2898)	7880 (3574)
<b>Mainframe and header</b>						
Pull/Pivot		Side	Side	Center	Center	Center
Header lift range	in. (mm)	14 (356)	20 (508)		18 (457)	
Header flotation		Radial & vertical with adjustable springs	Radial and vertical with adjustable coil springs		Radial and vertical with adjustable coil springs	
Tires		9.5L x 14SL	11L x 15 / 31 x 13.5-15		12.5L x 15	
<b>Cutter bed</b>						
Cutter bar design		Modular shaft drive	RazorEdge / Modular spur gears			
Cutting height	in. (mm)	1.3 to 3.0 (44 to 76)	1 to 4 (25 to 102)			
Cutter bar operating range		0° to 8°	0° to 6°			
Number of discs		7	6	9	10	
Number of knives		14 (2 per disc)	12	16	20	
Drive		Hex shaft from gearbox	Slip clutch with overrunning clutch		Slip clutch with overrunning clutch	
Disc speed	RPM	3000	2220 rpm	1814 rpm	2450 rpm	
Knife tip speed	mph (km. / hr.)	175.8 (289)	168 (270)	137 (220)	178 (287)	
Knives		Reversible, swingaway & opt quick change				
<b>Conditioner</b>						
Roll type		Steel on steel or rubber on rubber	Steel on steel, rubber on rubber or tine conditioner	Steel on steel, rubber on rubber or tine conditioner	Steel on steel or rubber on steel	Steel on steel or rubber on steel
Length	in. (mm)	84 (2,134)	73 (1900)		110 (2800)	
Roll Pressure		Mechanical spring			Hydraulic	
Drive		U-joint drivelines from gearbox	3HA or 4HA banded belt with sealed gearcase & Universal Cross bearingsjoints		4HA banded belt with sealed gearcase & Universal Cross bearingsjoints	
<b>Diameter</b>						
Steel roll	in. (mm)	9.3 (235)	8.2 (209)		7.7 (196)	
Rubber roll	in. (mm)	9.5 (242)	8 (203)			—
Roll Speed	RPM	735	1,045	857	1,037	1215
Length	in. (mm)	84 (2133)	73 (1854)		110 (2,790)	
Tine conditioner diameter	in. (mm)	—	18 (462)		—	—
Number of double tines		—	40		—	—
Tine speed	RPM	—	952	782	—	—
<b>Windrow Width</b>						
Windrow formation max.	in. (mm)	72 (1829)	73 (1854)		96 (2438)	
Windrow formation min.	in. (mm)	30 (72)	42 (1067)		40 (1016)	
<b>Tractor Requirements</b>						
Minimum PTO HP	(kW)	60 (45)	70 (52)	75 (55)	100 (75)	120 (89)
PTO speed	RPM	540		540 or 1000	1000	
Hydraulics		2 SCV	2 SCV STD		2 SCV	

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





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