

**MacDon**<sup>®</sup> *The Harvesting Specialists.*



**Full Line**

## Harvesting Performance

For nearly 70 years MacDon has been a world leader in technology, innovation, and manufacturing of high-performance harvesting equipment. Our harvesting history is rooted deep in the rich prairie heritage of Winnipeg, Manitoba, Canada. MacDon products are distributed and supported worldwide from offices in Canada, the United States, Australia, Russia, Brazil, and Germany.

MacDon's relentless pursuit of improvement is driven by the desire to make harvesting easier and more productive for farmers. Working directly with producers and custom harvesters in the toughest real-world conditions; this relationship guides MacDon to pioneer industry-leading innovations like the FlexDraper®. MacDon has a worldwide reputation for excellence as *The Harvesting Specialists* and we are proud to make equipment that help producers harvest the crops that feed the world.



**MacDon**® *The Harvesting Specialists.*

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M1 Series Windrowers

**M1 SERIES POWER**

M1170	173 HP (129kW) @ 2400 rpm 4.5L Cummins Turbo
M1240	248 HP (185kW) @ 2200 rpm 6.7L Cummins Turbo

## Next level harvesting performance

M1 Series Windrowers continue MacDon's tradition of bringing harvesting innovation to the field. These all-new Windrowers deliver power, performance, comfort, and speed. The powerful Cummins engines provide more than enough header drive capacity to power through the toughest harvesting situations. Our patented CrossFlex™ suspension makes the 18 mph (29 km/h) in-field and 28 mph (45 km/h) road speeds feel like a relaxed cruise. The high-back leather vented and heated seat, auto climate control, Bluetooth® radio, and the 360° Night Vision from 8 LED work lights will keep you comfortable and cutting long after the sun goes down. Setting a new standard in Windrower technology, the M1 Series is the next level of harvesting performance.

### POWERFUL PERFORMANCE

Choose from a Cummins 6.7 liter turbo diesel engine that delivers 248 horsepower at 2200 rpm or a Cummins 4.5 liter Turbo with 173 horsepower at 2400 rpm. Either way, more engine power combined with increased header drive capacity means M1 Series Windrowers are ready for any harvesting situation.

### A KEEPING ITS COOL UNDER PRESSURE

Keeping their cool under pressure, M1 Series Windrowers use a new dual radiator design to draw air from the cleanest location, behind the cab. To keep the clean air flowing constantly a hydraulic-drive reversing fan works on the go to blow out unwanted debris, keeping the engine and hydraulics running cool and efficiently, without the need of operator input.

### B A FAST SMOOTH RIDE & CLEAN CUT

MacDon's all-new patented CrossFlex™ Suspension makes the 18 mph (29 km/h) in-field and 28 mph (45 km/h) road speeds feel like a relaxed cruise. This unique design absorbs impact from rough terrain allowing smooth harvesting no matter the field condition.



A





**C FASTER IN & BETWEEN FIELDS\***

Thanks to MacDon's patented Dual Direction® steering you can switch from field to road mode in seconds and travel at speeds of up to 28 mph (45 km/h). In most cases there's no need to detach the header, saving you time and labor when moving from field to field. D1XL Series Draper Headers can be easily transported at 20 mph (32 km/h) with MacDon Windrowers using our Slow Speed Transport system. Either way, you'll be spending less time in transport and more time cutting.



**D 360° NIGHT VISION**

The deluxe cab option takes performance to the next level with our 360° Night Vision from 8 high power LED work lights. The bright halo of light from our 360° Night Vision lets you work safely long after the sun goes down.

**E DWA SAVES TIME & MONEY**

MacDon's optional Double Windrow Attachment lets you achieve the ultimate windrow when paired with a rotary disc header. Ideal for keeping today's large forage harvesters working at capacity, this option allows operators to combine up to three passes into a single windrow. That translates into significant time and fuel savings in the field.

**MASSIVE CROP CLEARANCE ABILITY**

Featuring the Industry's Best Crop Clearance with 46" (117 cm) of height and 152" (386 cm) of width, big bushy swaths flow effortlessly under the M1240. Header lift height is improved too, 3" higher than our previous model.

*\*Always follow local traffic laws and regulations.*





D



E







## Productivity never felt so good

The all-new cab offers a load of great features to keep operators safe, comfortable, and productive all day long. Standard cab includes: Ultra Glide® cab suspension, high-back multi-adjustable air ride seat, fold away trainer seat, auto climate control, Bluetooth® radio, windshield wipers with washer fluid, front and rear window shades, warning beacons, tilting and telescoping steering column, 4 halogen road lights, and 8 halogen work lights.

### **A TRACK YOUR HARVEST PERFORMANCE**

Operators will enjoy the all-new 7" LCD Harvest Performance Tracker. Track your harvest performance with an easy to read interface providing on board diagnostic readings and user customizing features.

### **B PRECISION CONTROLS**

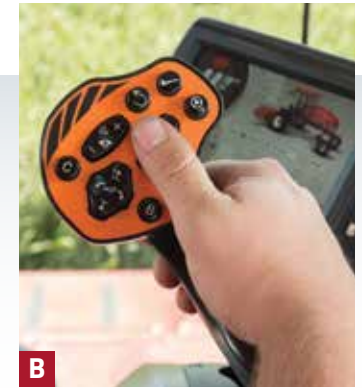
The new two stage controls allow for faster and more precise positioning of the header. Users can easily program up to three One-Touch-Return buttons for fast in-field control of the header's height, tilt, cutting speed, reel, and draper operation.

### **SMOOTH RIDE**

MacDon's Ultra Glide® cab has a four-corner independent gas shock suspension system featuring stabilization to prevent cab roll. The CrossFlex™ Suspension is designed to absorb impacts from rough terrain, and an air ride seat means operators will enjoy a smooth, comfortable, and controlled ride reducing fatigue and keeping them cutting all day long.

### **DELUXE COMFORT AND PRODUCTIVITY**

Our deluxe cab option takes comfort and performance to the next level, featuring heated and vented leather seating, power mirrors, and 360° Night Vision from 8 high power LED work lights. The bright halo of light from our Night Vision lets you smoothly transition from day to night.



## Service in a flash

The simple serviceability of the M1 Series means you'll spend less time on maintenance and more time cutting. DEF and fuel fills happen right from ground level, and the 140 gallon (530 liter) tank keeps you cutting all day. Check the oil without lifting the hood and see the hydraulic level at a glance from the sight glass. Access to the radiator and cooler box is easy. The sliding platform allows quick access to hydraulic hook-ups for quick header connection, and tools can be kept close by in our easy access lockable toolbox conveniently tucked away in the platform.





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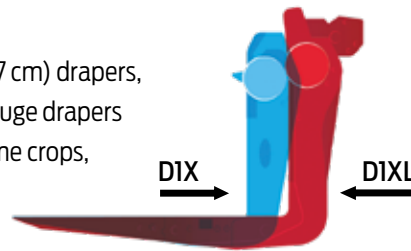
**D1XL Series Draper Headers**

## Super-sized harvesting performance

Low-podding, downed, tangled, or lodged crops—whatever the situation, MacDon D Series Draper Headers have always delivered outstanding harvesting performance. Now, you get that same legendary MacDon draper experience super-sized with our all-new D1XL Draper Headers. D1XL Drapers feature a deeper deck with 50" wide (127 cm) drapers, in header sizes from 30' (9.1 m) to 45' (13.7m) wide. These wide drapers perform with ease in big, bushy, high-volume crops, with up to 30% increased capacity in heavy crops. Designed to take full advantage of M1 Windrower features, operators will have precise control and customization of the header lift, height, tilt, knives, reel, and draper. Setting a new standard in draper header technology, the D1XL takes harvesting performance to the next level.

### A SERIOUS CAPACITY

D1XL Drapers feature an ultra-deep deck with 50" wide (127 cm) drapers, in header sizes from 30' (9.1 m) to 45' (13.7m) wide. These huge drapers are designed to perform with ease in big, bushy, high-volume crops, with up to 30% increased capacity over the D1X Draper.



### B PRECISION PERFORMANCE CONTROL

The new two-stage header lift allow for faster and more precise positioning of the header. In addition users can easily program up to three One-Touch-Return buttons for fast in-field control of the header's height, tilt, reel, and draper operation. Customizing and tracking your harvest happens on the easy-to-read and navigate interface of the all-new Harvest Performance Tracker 7" LCD display.

### C REFINED HYDRAULICS

Designed for convenience and ease-of-use, all hydraulic connections happen on the left side of the machine through two multi couplers. Our Hydraulic Hose Management System mounts and stores hoses on the header and the 90° swing of the mechanical arm allows quick hooking and unhooking with minimal effort. There are 3 dedicated hydraulic circuits running, one each for knives, reel, and draper. This independent control provides more power to the header for getting through the toughest harvesting situations.

UP TO  
**30%**  
MORE  
CAPACITY





D

**D MASSIVE CROP CLEARANCE ABILITY**

Featuring the Industry's best crop clearance with 46" (117 cm) of height and 152" (386 cm) of width, big, bushy swaths flow effortlessly under the M1170. Header lift height is improved too, with 3 inches more height than previous model.



E

**E THE PERFECT WINDROW**

MacDon's patented Swath Compressor creates a smooth, even slope that gently compresses and forms loose bushy swaths into perfect windrows every time. Compressor adjustment happens from the cab and is displayed on-screen. This control can also be programed into the Windrower's One-Touch-Return functions. Best of all, when you switch the Dual Direction to road mode, the MacDon Swath Compressor lifts up under the frame for quick unobstructed transport.

**F FASTER IN & BETWEEN FIELDS\***

Thanks to MacDon's patented Dual Direction® steering, you can switch from field to road mode in seconds and travel at speeds of up to 28 mph (45 km/h). Single side hydraulic hookup and multi-couplers simplify connecting and disconnecting headers, saving time and labor when moving from field to field. DIXL Series Draper Headers can be easily transported at 20 mph (32 km/h) with MacDon Windrowers using the Slow Speed Transport system. Altogether you'll be spending less time in transport and more time cutting.

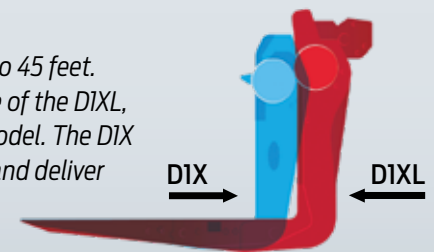
*\*Always follow local traffic laws and regulations.*



F

**SIZED RIGHT TO FIT YOUR NEEDS**

The DIXL is available in header sizes from 30 to 45 feet. For operations not needing the added volume of the DIXL, a regular size deck is available with the DIX model. The DIX is available in header sizes from 15 to 25 feet and deliver the same great MacDon performance in a size that will satisfy your harvesting needs.





**WINDROWER TO HEADER COMPATIBILITY**

	A40D	A40DX	D65	D1X	D1XL	R85	R1
M1170		✓		✓	✓		✓*
M1240		✓		✓	✓	✓ 16'	
M155/M155E4	✓		✓			✓	✓*
M205	✓		✓			✓ 16'	

\*Double Windrow Attachment Not Available.

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**R1 Series Rotary Disc Headers**



# The Haymaker

Speed, precision, performance, that's exactly what you get with the MacDon M1170 Windrower and R1 Series Disc Header. Our patented CrossFlex™ suspension and low-profile, forward-mounted cutting discs help deliver a smooth, clean cut at in-field speeds of up to 14 mph (22.5 km/h). The two-stage controls allow for faster and more precise positioning of the header lift, and customizable One-Touch-Return buttons can be programed to control the header's height, tilt, and cutting speed. With all this and more, it's easy to see why the M1170 Windrower and R1 Series Disc Header are a knockout combo.

## A CLEAN CUT & 3 YEAR WARRANTY

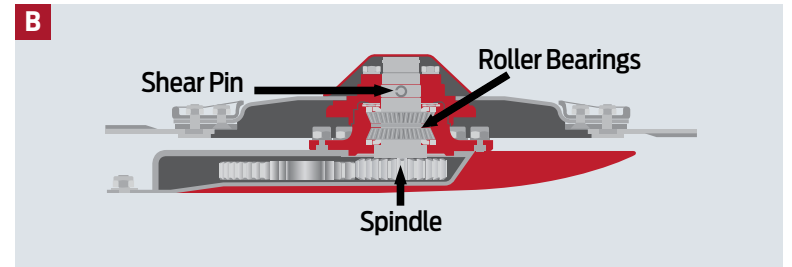
Our low-profile, forward-mounted cutting discs provide a flat header angle, resulting in a cleaner, smoother cut. Our cutterbar design is backed by MacDon's 3 Year Cutterbar warranty. That's our way of ensuring worry-free harvesting performance.

## B OVERLOAD PROTECTION

Each of the disc spindles on the R1 Series cutterbar feature a shear pin. These pins are designed to shear if the disc comes in contact with any object large enough to stop its movement. The disc then moves up and out of the path of the adjacent discs, reducing the risk of serious damage to the cutterbar. The shear pin can be replaced in-field, letting operators get back to cutting quickly.

## C FRONT ROW SEAT TO PRODUCTIVITY

The R1 features an amazing in-cab view of the crop flow coming out of the back of the header. Being able to see the crop lets operators monitor the quality of the windrow that's being laid down on-the-go. The header forward position also allows easy access to the adjustable windrow forming shields.



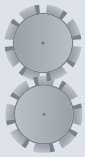
### WINDROWER TO HEADER COMPATIBILITY

	A40D	A40DX	D65	D1X	D1XL	R85	R1
M1170		✓		✓	✓		✓*
M1240		✓		✓	✓	✓ 16'	
M155/M155E4	✓		✓			✓	✓*
M205	✓		✓			✓ 16'	

\*Double Windrow Attachment Not Available.

### **D** SERIOUS CONDITIONING

Featuring the industry's widest conditioning roll at 129" (328 cm), and 3 interchangeable conditioning options. You can choose: Steel Inter-Meshing, Polyurethane Inter-Meshing, or No Conditioner option. The R1 lays down well-conditioned wide to narrow windrows to suit a variety of conditioning needs. The wide rolls increase the amount of crop contact, improving crimping performance and ensuring thorough conditioning of the plant stem.



#### **Steel Inter-Meshing Rolls:**

This crimp style is especially effective for stiff or solid plant stem material. It produces well conditioned windrows over a wide range of widths and is ideal for high-volume crops, which require aggressive feeding through the header. In smooth-stemmed crops, the steel inter-meshing roll action promotes even plant dry down by creating uniform crimps on the plant stem without bruising the delicate leaves. Steel rolls are extremely durable and require minimal maintenance.



#### **Polyurethane Inter-Meshing Rolls:**

Polyurethane delivers a combination crimp and crush action while being more gentle on plant leaves. The crushing action of the 129" wide (328 cm) polyurethane rolls produce a windrow that promotes quick, even dry down of crops like alfalfa and alfalfa grass mixes. Polyurethane is also very effective on fine-stemmed plants with solid stems, like native hay, timothy, and Bermuda grass.

#### **No Conditioner:**

Not using a conditioner is ideal in crop conditions where laying out a wide, loose windrow is enough to reduce moisture levels for baling or chopping.





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## R Series Rotary Disc Headers



WINDROWER TO HEADER COMPATIBILITY							
	A40D	A40DX	D65	D1X	D1XL	R85	R1
M1170		✓		✓	✓		✓*
M1240		✓		✓	✓	✓ 16'	
M155/M155E4	✓		✓			✓	✓*
M205	✓		✓			✓ 16'	

\*Double Windrow Attachment Not Available.

## Make Hay!

That's exactly what you get with an M1240 Windrower and R85 Rotary Disc Header, delivered with speed, precision, and durability. Cut alfalfa at speeds up to 18 mph (29 km/h), power through 12' (3.6 m) Sudan grass or 20 ton/acre heavy winter forage. Our strong frame and outstanding spring flotation system allows you to run the machine fast over rough terrain while still maintaining a smooth clean cut. With the addition of MacDon's Double Windrow Attachment you can place up to 48' (14.6 m) of well conditioned crop into a single windrow by combining three 16' (4.9 m) windrows. Altogether, that's MacDon performance you can rely on to get the job done in record time.



### IMPROVED CAPACITY AND CROP HANDLING

The R85's discs run in an optimized disc rotation pattern. The 5 crop streams promote better crop flow in thick and tangled crop. Working together with the crop accelerators and an efficient overshot auger means serious cutting capacity and improved windrow formation in tough conditions and high volume crops.

### A PEACE OF MIND WITH A 3 YEAR WARRANTY

Combining a strong frame and an excellent spring flotation system our cutterbar is backed by MacDon's 3 Year Cutterbar Warranty. This is our way of ensuring worry-free harvesting performance.

### B SERIOUS CONDITIONING

R Series headers are equipped with wide steel on steel rolls (118"/3000 mm). These wide rolls increase the amount of crop contact, improving crimping performance and ensuring thorough conditioning of the plant stem. These conditioning rolls also feature an "n" bar profile which more aggressively pulls crop away from the cutting discs assisting with overall capacity.

### OVERLOAD PROTECTION

Each of the discs on the R Series cutterbar feature a shear key. This key is designed to shear if the disc comes in contact with an object large enough to stop its movement, preventing any serious damage to the cutterbar. The key can be replaced in the field allowing operators to quickly get back to cutting.

### EASY MAINTENANCE

Operators will appreciate the lower maintenance requirements. Our disc system has few moving parts, and greasing happens at 25 and 50 hour intervals.



A



B

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A Series Auger Headers

WINDROWER TO HEADER COMPATIBILITY							
	A40D	A40DX	D65	D1X	D1XL	R85	R1
M1170		✓		✓	✓		✓*
M1240		✓		✓	✓	✓ 16'	
M155/M155E4	✓		✓			✓	✓*
M205	✓		✓			✓ 16'	

\*Double Windrow Attachment Not Available.

## Tried, tested, and true performance

A clean cut, smooth flow, and excellent conditioning, that's what you get from MacDon A Series Auger Headers. Like all MacDon harvesting machines, the A Series is designed to perform in the toughest conditions while providing exceptional durability. From the heavy-duty cutterbar, to the cast housing of the dual Wobble Boxes and rugged internal components of the knife drive system, the A Series is a commercial quality machine that high-acreage producers rely on to deliver proven harvesting performance and reliability.

### **BUILT TOUGH TO DELIVER A CLEAN CUT**

We've made the cutterbar exceptionally strong, with its Z-shaped profile and rectangular reinforcements. With a cast housing for the dual Wobble Boxes and rugged internal components of the knife drive system, the A Series delivers a consistent clean cut in a wide range of crop conditions.

### **SMOOTH CROP FLOW**

On-the-go adjustment for the hydraulic drive reel, sickle, auger, and conditioner allows the operator to be in full control of all aspects of hay and forage harvesting from the operator's seat. Crop flow happens smoothly, even under adverse conditions, thanks to the combination of MacDon's poly feed pan design, progressive feed paddles, and stripper bar arrangement.

### **A PRECISION CONTROLS EQUAL PERFORMANCE CONTROL**

The new two stage controls allow for faster and more precise positioning of the header lift. Users can easily program up to three One-Touch-Return buttons for fast in-field control of the header's height, tilt, knife speed, and reel/auger speed.

### **B SERIOUS CONDITIONING**

A Series Auger Headers are equipped with wide conditioner rolls for increased crop contact, improving crimping performance and ensuring thorough conditioning of the plant stem. The steel-on-steel n-bar inter-meshing roll design helps retain leaves, which is important for high protein values and making high-quality feed.

### **C DOUBLE WINDROW ATTACHMENT**

MacDon's Double Windrow Attachment (DWA) allows you to place up to 54' (16.45 m) of crop into a single windrow by combining three 18' (5.5 m) conditioned windrows. Ideal for today's large forage harvesters. Adding this option can translate into significant time and fuel savings in the field.



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ANY CROP  
ANY CONDITION  
ANY COMBINE

**D1 & FD1 Series Draper Header Performance**

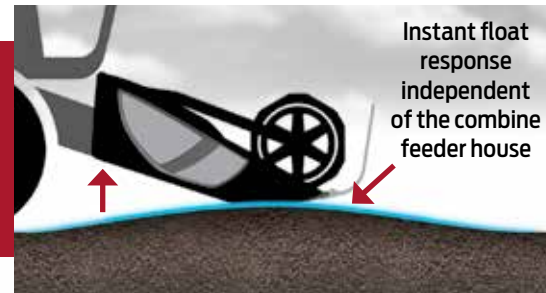
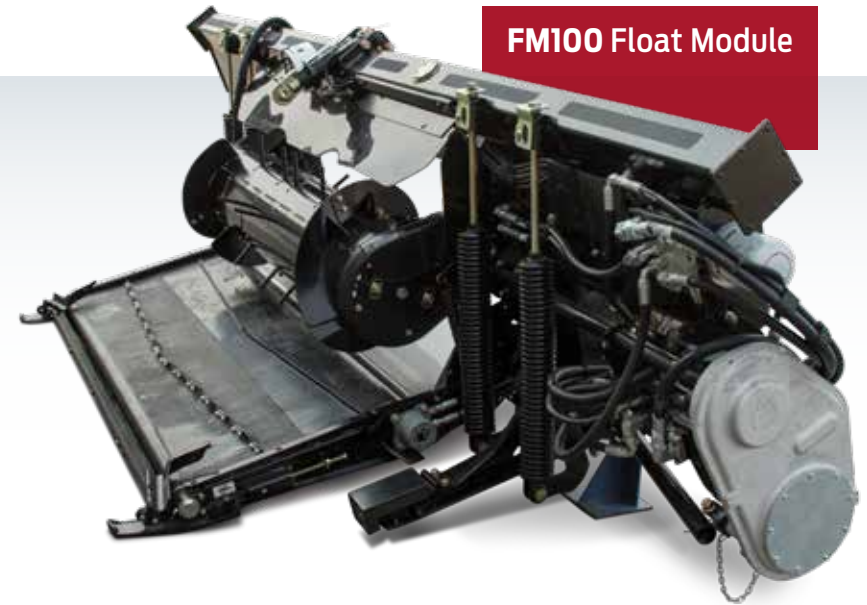


## Next level crop recovery performance

Most combine headers perform well in perfect harvesting conditions, but when was the last time you had perfect conditions? MacDon FlexDraper® and Draper Headers are designed to maximize productivity in the most challenging harvesting situations. From our Active Float System that keeps our headers true-to-the-ground, to the outstanding pickup performance of our reel, to the combine optimization and increased capacity of our FeedMacX™ crop feeding system. It all adds up to getting the most from your field, in any crop, in any condition, on any combine.

### A ACTIVE FLOAT SYSTEM

MacDon's Active Float System reacts instantly to changing ground conditions. This immediate float response means you can cut extremely close to the ground without pushing. Two sets of coil springs on the FM100 Float Module support up to 97% of the header weight. The instant float response provides 4.8 degrees of lateral float and 7" (178 mm) of vertical float independent of the combine feeder house. Best of all, this is a simple, mechanical system with only one sensor, so things won't break down when your harvest is on the line. MacDon's Active Float System keeps our headers true-to-the-ground for a clean, even cut every time.



LATERAL & VERTICAL FLOAT		
HEADER SIZE	LATERAL FLOAT (1)	VERTICAL FLOAT (2)
9.1 m (30')	@ 4.8° = 406 mm (16")	178 mm (7")
10.7 m (35')	@ 4.8° = 508 mm (20")	178 mm (7")
12.2 m (40')	@ 4.8° = 546 mm (21.5")	178 mm (7")
13.7 m (45')	@ 4.8° = 610 mm (24")	178 mm (7")



### ANY COMBINE

Thanks to the FM100, MacDon Draper Headers are designed to fit all major brand combines with an easy-to-install completion package. This multi-brand compatibility and interchangeability mean your investment will hold its value until it's time to update your header.



**B THE MACDON FEEDMACX™**

MacDon's FeedMacX™ system is designed to be custom configured to match any combine's performance capabilities, providing serious capacity, optimized feeding, and incredible productivity. FeedMacX™ components are built smart and tough to provide the performance and reliability MacDon is trusted for. Here's how it works:

**CAPACITY:**

The heart of the FeedMacX™ crop feeding system is the feed auger, featuring combine-tailored speeds, feeding configuration and aggressive action, resulting in up to 20% more capacity over the previous model. In-feed speed is tailored to match that of your specific combine's feeder chain. Bolt-on components make it possible to configure the auger flighting and number of finger tines to match the combine's feeder house opening. The finger tines are longer and more aggressive. Altogether, the FeedMacX™ system works to optimize the performance of any combine in any crop.



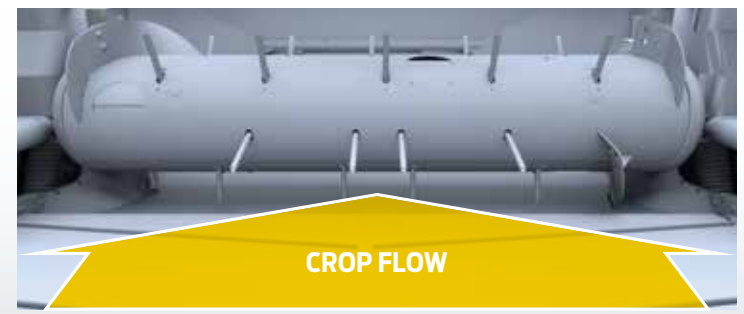
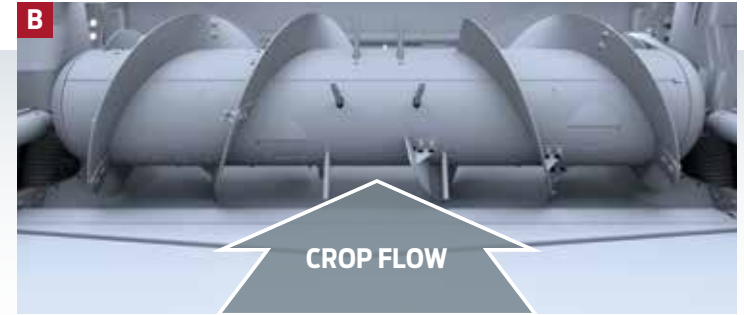
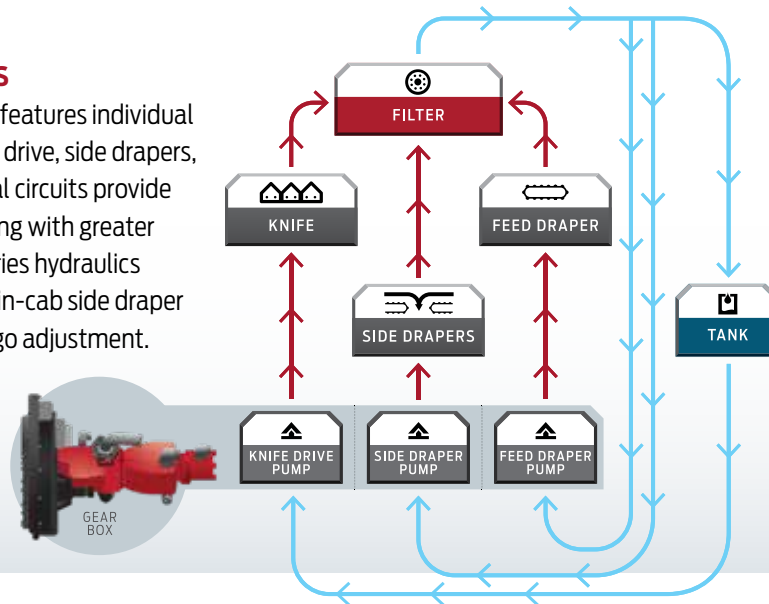
**DURABILITY:**

The strength and reliability of the FM100's feed auger comes from smart innovations and heavy-duty internal components, like the tine shaft being 25% thicker than the previous model and an all-new reversing clutch that provides positive engagement in either direction. The new finger design protects both the header and the combine from foreign objects. Reconfigured and upgraded, the chain drive tension is externally adjustable and incorporates a positive stop to retain its setting and alignment.

**FeedMacX™**

**C HIGH CAPACITY HYDRAULICS**

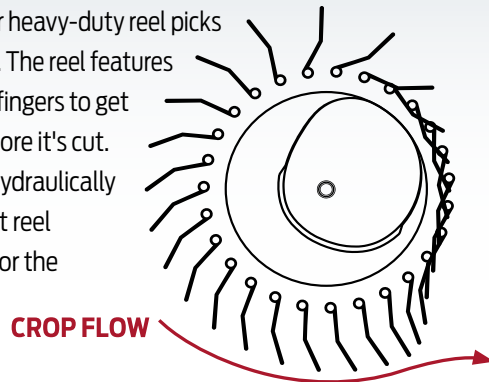
MacDon's new hydraulic system features individual fully filtered circuits for the knife drive, side drapers, and feed draper. These individual circuits provide increased side draper speed, along with greater capacity and reliability. The 1 Series hydraulics make it possible for an optional in-cab side draper speed control, allowing on-the-go adjustment.





**D AMAZING REEL PERFORMANCE**

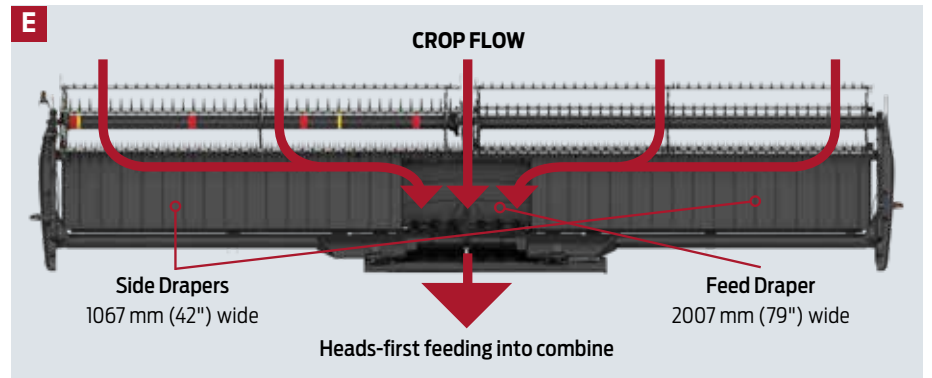
Unlike other headers, the movement of our heavy-duty reel picks up and gently places crop onto the drapers. The reel features a uniquely shaped cam, which allows the fingers to get underneath lodged crop and pick it up before it's cut. Along with the header tilt control, which hydraulically angles the knife from the cab, and fore-aft reel positioning, our headers can be adjusted for the toughest harvesting challenges.



**E ACTIVE CROP FLOW**

MacDon's Active Crop Flow gently places crop on the side drapers heads-first and swiftly moves it onto the feed draper, where it's scooped up into the combine's feeder house. Heads-first feeding promotes peak combine efficiency by saving fuel, improving threshing action, creating a better straw distribution, and allowing for a more productive harvest overall. Because this harvesting method is more efficient in damp and moist conditions, you can start earlier and work later into the evening.

Part of MacDon's FeedMacX™ system, the side draper speed is increased up to 60% to optimize combine capacity, and an optional in-cab side draper speed control allows on-the-go adjustment.



**F MULTI-CROP HARVESTING SOLUTION**

MacDon's DI and FDI Series headers are true multi-crop harvesting machines able to take down cereals, oilseeds, beans, and just about any crop in any condition. The FDI FlexDraper® switches easily from flex to a solid frame with the quick flip of a lever, giving you the ultimate flexibility to move from one crop type to another. Any crop, any condition, MacDon Drapers are the ultimate performance upgrade for your combine.



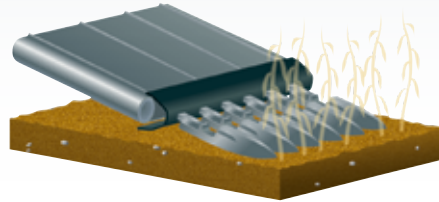
E



## COMBINE HEADERS

### **G** A CONSISTENTLY CLOSE SHAVE

MacDon's C-shaped, low-profile cutterbar design allows ground level cutting for the most consistently close shave of your fields. Featuring a heavy-duty knife drive and in-cab knife angle control, this cutting system allows you to match any harvest conditions. The ultra-smooth ground-facing surface of our cutterbar helps our headers glide along the ground for a smooth close cut every time.



### **H** AGGRESSIVE UPPER CROSS AUGER

The optional Upper Cross Auger helps to move heavy, bushy, high-volume crops, like canola and peas, to the center of the header for smooth feeding. Featuring twin pitch flighting at the center of the auger to aggressively drive crop down and into the feed auger of MacDon's FeedMacX™ system. Available for all header sizes, the upper cross auger is attached in front of the back tube and features a shut-off valve to disengage the drive when not required.



### **I** SELF-CONTAINED TRANSPORT

Our Slow Speed Transport package allows you to tow your D1 and FDI Series Headers up to 20 mph (32 km/h)\*. This option also adds the advantage of spring-loaded stabilizer wheels.



*\*Always follow local traffic laws and regulations.*



SPECIFICATIONS PAGE 40

FD1 Series FlexDraper® Headers



ANY CROP  
ANY CONDITION  
ANY COMBINE





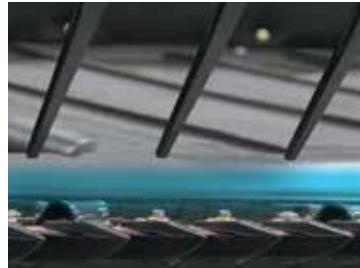
## Imitated but never duplicated

Featuring MacDon Flex-Float Technology®, FDI Series FlexDraper® continue to advance harvesting innovation. The flex advantage comes from a fixed reel-to-cutterbar relationship, which maintains a small gap between the reel fingers and cutterbar, while the Active Float System allows for instant lateral and vertical float response over rolling and uneven terrain. The result of our Flex-Float Technology™ is smooth, consistent, heads-first feeding that significantly boosts combine productivity.

**FFT FLEX-FLOAT TECHNOLOGY®**

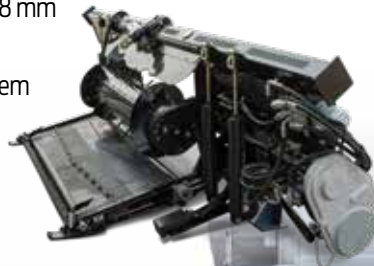
### A CLOSE REEL-TO-CUTTERBAR RELATIONSHIP

The MacDon FDI FlexDraper® features a fixed reel-to-cutterbar relationship. A small gap between the reel fingers and the cutterbar is maintained at all times, even at extreme flex, ensuring smooth, consistent, heads-first feeding of the crop over the entire width of the FlexDraper®.



### B ACTIVE FLOAT SYSTEM

MacDon's Active Float System reacts instantly to changing ground conditions. This immediate float response means you can cut extremely close to the ground without pushing soil. Two sets of coil springs on the FM100 Float Module support up to 97% of the header weight. The instant float response provides 4.8 degrees of lateral float and 178 mm (7") of vertical float, independent of the combine feeder house. Best of all, this is a simple reliable mechanical system requiring only one sensor, so things won't break down when your harvest is on the line. MacDon's Active Float System keeps our headers true-to-the-ground for a clean, even cut every time.



### C REEL PERFORMANCE

Unlike other headers, the movement of our heavy-duty reel picks up and gently places crop onto the drapers. The FDI reel features 4" finger spacing and a uniquely shaped cam, which allows the fingers to get underneath lodged and low-podding crop to pick it up before it's cut. Along with the header tilt control, which hydraulically angles the knife from the cab and fore-aft reel positioning, our headers can be adjusted for the toughest harvesting challenges.

*MacDon FDI FlexDraper® now feature tight, 4" reel finger spacing on all header sizes.*

**4"**  
(100mm)  
**REEL FINGER SPACING**

### D TRUE GROUND FOLLOWING

The MacDon FDI FlexDraper® is a floating, three-section flexible header with a split reel. This allows the entire header frame, cutterbar, and reel to follow ground contours as a unit, flexing up to 254 mm (10") on either end, while maintaining a close reel-to-cutterbar relationship. This unique three-section design lets the FDI FlexDraper® deliver smooth, consistent, head-first feeding to the combine, even at extreme flex.



PW8 Pick-Up Headers



## Set it and forget it.

Our engineers worked hard to make the PW8 as user-friendly as possible. From easy installation to time saving innovations, it all adds up to harvesting performance you can count on. MacDon PW8 Pick-Up Headers are the smartest choice on the market.

### **A** SERIOUS PICK-UP CAPACITY IN ANY CROP CONDITION

A strengthened auger tube and robust chain drive allow the PW8 to easily handle high capacity loads. Both draper decks are run independently by hydraulic motors. The drapers are kept on track by MacDon's patented V-guide roller groove tracking system. Together, these systems allow the PW8 to process the heaviest swaths with ease.

### **ON-THE-GO CONTROL**

The PW8 works with the combine's Automatic Header Height and Lateral Tilt System.

### **B** SIMPLE ADJUSTMENTS

A simple draper tensioning system, easy-to-see draper tension indicators, and common all-metric hardware allow adjustments to be made in a flash.

### **DROP-AND-GO FLOAT PERFORMANCE**

Our simple and effective spring-over-shock floatation system provides a ground following 18" (45.7 cm) of wheel float, and requires no adjustment during operation or lockout during transport. Float indicator numbers are clearly visible on both sides of the machine, letting you know the PW8 is operating at an optimum float position.

### **BRAND COMPATIBILITY**

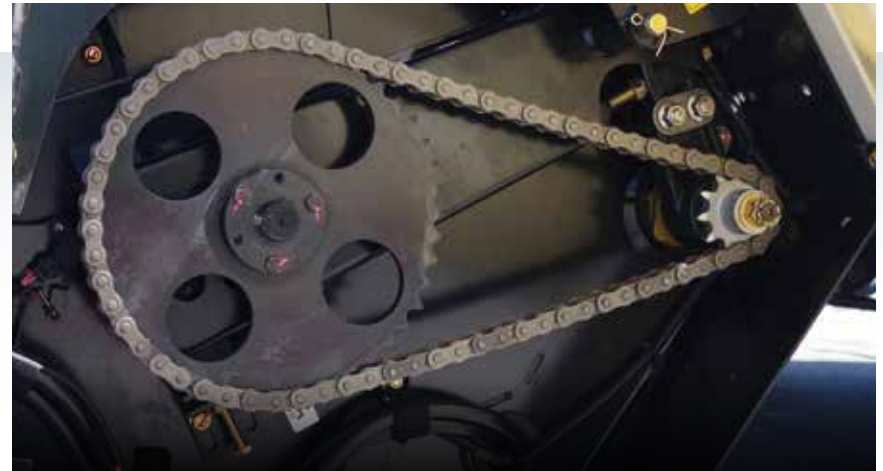
Switch combine brands with MacDon PW8 completion packages. These packages make it easy to switch between combine brands, which increases the resale value down the road.

### **C** GREAT SEED RETENTION

Tight draper connectors and seals, along with a deep overlap of front and rear draper decks ensure that more seed is making its way into the combine for better yields.

### **EASY MAINTENANCE**

Five 100-hour grease points make for quick and easy maintenance of this machine.



**A**



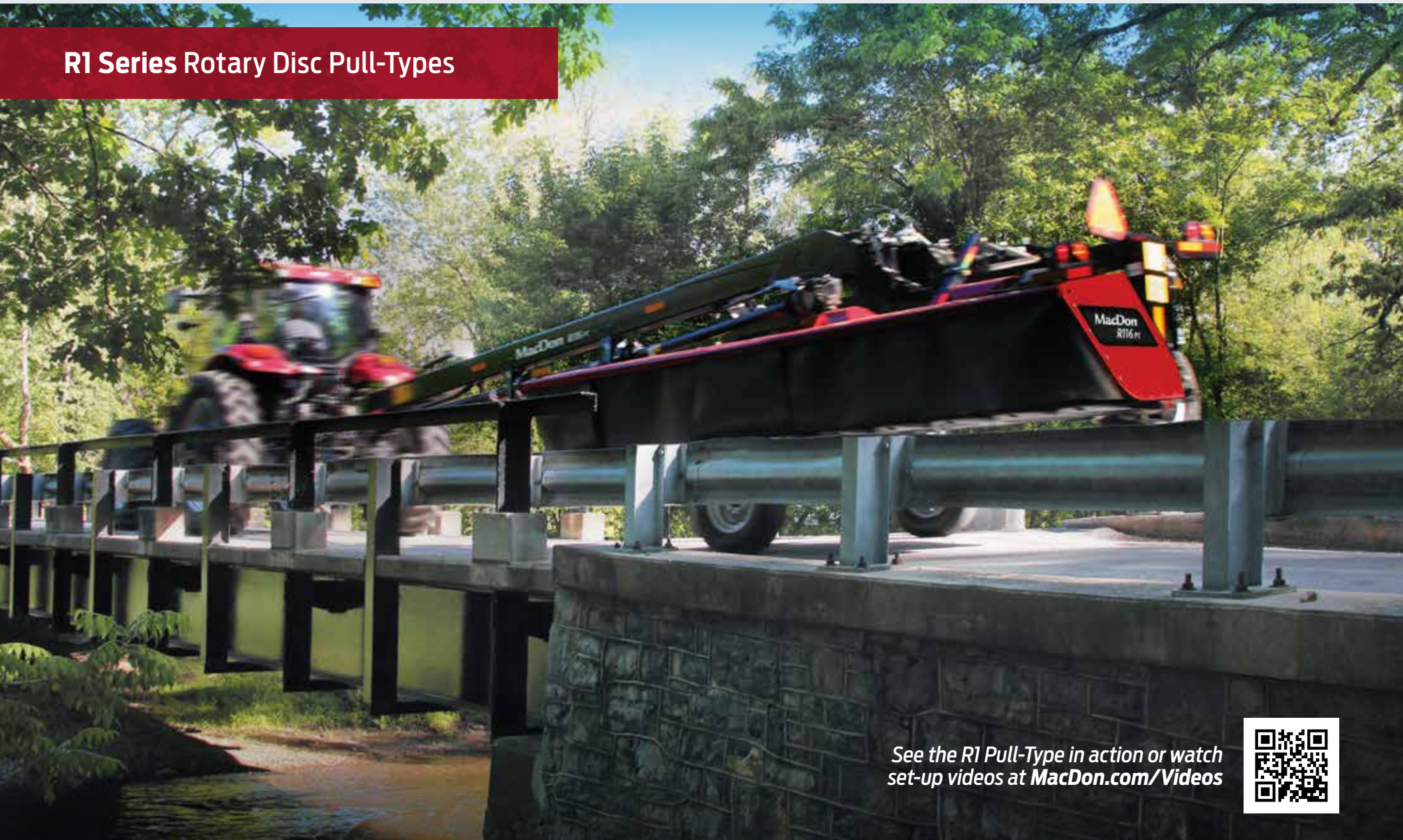
**B**



**C**

SPECIFICATIONS PAGE 46

## R1 Series Rotary Disc Pull-Types



See the R1 Pull-Type in action or watch set-up videos at [MacDon.com/Videos](https://www.macdon.com/videos)



## Quick in the field, quick on the road.

Don't be limited by transport width. In just 30 seconds, our Road Friendly Transport™ option transforms both our 13' (4 m) and 16' (4.9 m) R1 Pull-Types to a narrow 9' (2.75 m) wide transport. This allows for quick, safe travel to, from, and between fields. The all-new, forward-mounted cutterbar design provides a cleaner, smoother cut than ever before, and it's backed by a 3 year cutterbar warranty. No matter what the harvest situation or conditioning need, the R1 Series lays down well-formed, well-conditioned windrows with the industry's widest rolls of 129" (328 cm), and four interchangeable conditioning options. Don't limit your harvesting possibilities; find out why more top producers trust MacDon for their harvest.

### A 9' WIDE ROAD FRIENDLY TRANSPORT (OPTIONAL)

Our Road-Friendly Transport™ option is available on both models and transforms the R1 into a road-friendly 9' (2.75 m) wide transport. Switch from field to transport in 30 seconds, for quick, safe travel to, from, and between fields. Moving from a 10' to a 16' mower can increase productivity by 60%, making this option ideal for operations in which width restrictions are a limiting factor.

### B CLEAN CUT

Our low-profile, forward-mounted cutting discs provide a flat header angle, resulting in a cleaner, smoother cut.

### 3 YEAR CUTTERBAR WARRANTY

Our new cutterbar design is backed by MacDon's 3-Year cutterbar warranty. That's just our way of ensuring worry-free harvesting performance.

### C OVERLOAD PROTECTION

Each of the discs on the R1 Series cutterbar features a shear pin. These pins are designed to shear if the disc comes into contact with any object that is large enough to stop its movement. The disc then moves up and out of the path of the obstruction, preventing any serious damage to the cutterbar. The shear pin can be replaced in-field, allowing operators to quickly get back to cutting.

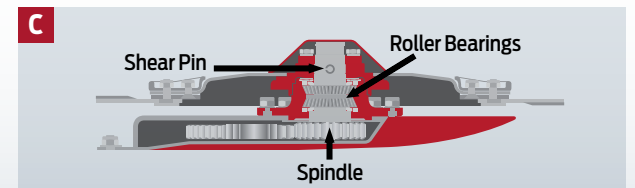


### AE50 AWARD WINNER!

The R1 Series Pull-Type Disc Mowers received a 2016 AE50 Outstanding Innovation Award for the revolutionary Road-Friendly Transport™ package.

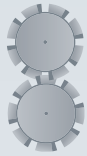


Switch from field to transport in 30 seconds



**D SERIOUS CONDITIONING**

Featuring the industry's widest conditioning roll at 129" (328 cm), and 4 interchangeable conditioning options. Choose from Steel Inter-Meshing, Polyurethane Inter-Meshing, Finger Conditioner, or No Conditioner option. The R1 lays down well-formed, well-conditioned wide to narrow windrows to suit a variety of conditioning needs.



**Steel Inter-Meshing Rolls:**

This crimp style is especially effective for stiff or solid plant stem material. It produces well conditioned windrows over a wide range of widths. Ideal for high volume crops where aggressive feeding through the header is required. In smooth stemmed crops the steel inter-meshing roll action promotes even plant dry down by creating uniform crimps on the plant stem without bruising the delicate leaves. Steel rolls are extremely durable and require minimal maintenance.



**Polyurethane Inter-Meshing Rolls:**

Polyurethane delivers a combination crimp and crush action while being more gentle on plant leaves. The crushing action of the 129" (328 cm) wide polyurethane rolls produce a windrow that promotes quick even dry down of crops like alfalfa and alfalfa grass mixes. The polyurethane is also very effective on fine stemmed plants with solid stems like native hay, timothy, and Bermuda grass.



**Finger Conditioner:**

The Finger Conditioner is ideal for wiping stem wax from plant stems. It creates a fluffy windrow best suited to promote dry down of crops like coastal grass and other mixed forages. The finger conditioner requires the least amount of horsepower of our conditioning options.

**No Conditioner:**

Not using a conditioner is ideal in crop conditions where laying out a wide loose windrow is enough to reduce moisture levels for baling or chopping.

**E UNIQUE RESPONSIVE FLOAT**

Using minimal ground pressure, our Responsive Float System moves the R1 "Up and Back" as it encounters bumps in the field. This unique movement results in true, even ground following and helps ensure a clean, smooth cut.

**LOW HORSE POWER REQUIREMENTS**

Requires only 100 hp for 13' and 125 hp for 16' model. Available with either 1000 pto 1 1/8" (35mm), 21 spline or 1 3/4" (45mm), 20 spline pto drive shaft options. Less horsepower means lower fuel consumption.





SPECIFICATIONS PAGE 46

## SPECIFICATIONS

### D1 DRAPER HEADER SPECIFICATIONS

Size*	25' (7.6 m)	30' (9.1 m)	35' (10.7 m)	40' (12.2 m)	45' (13.7 m)
Weight** Single Knife Drive with FM100	6240 lb (2830 kg)	7210 lb (3270 kg)	7695 lb (3490 kg)	-	-
Weight** Double Knife Drive with FM100	-	-	-	8170 lb (3706 kg)	8460 lbs (3837 kg)
Knife: Type / Drive / Speed	Single or double knife (depending on size and application) / Hydraulic, MacDon design enclosed oil bath wobble box(es) / Single knife combine 1050 to 1400 spm, double knife combine 1100 to 1700 spm (speed varies depending on header size, faster knife speed on smaller headers or double knife headers)				
Guard Types Available	Pointed DHT (double heat-treated), stub SM (sheet metal hold-down, forged bottom guard), stub F (forged top and bottom)				
Reel: Type / Drive / Speed / Fingers	Pick-up reel, five or six bats, two-piece (double) or single, flip-over design, cam-leading finger control / Hydraulic / Combine 0 to 67 rpm (varies depending on combine model) / HD plastic, 152 mm (6") spacing, 279 mm (11") length				
Conveyor: Type / Drive / Speed / Delivery	1057 mm (41.6") wide 680.4 g (24 oz) rubber skim-coated drapers, reversible double V-guide with tracking, integral seal on leading edge / Combine 0 to 194 m/min (0 to 636 ft/min) / Mechanical deck shift, opening width ranging from 1539 mm (60.6") to 1948 mm (76.7")				
Field-Installed Options	Upper cross auger, stabilizer wheels, in-cab side draper speed control, slow speed transport, lateral tilt automatic header height control				

\*Product size availability varies by market. \*\*All listed weights are approximations and will vary depending on header configuration. Check with your dealer for combine ratings. Weight includes FM100 Float Module. The FM100 Float Module weighs approximately 2400 lb (1089 kg); this number varies by combine model.

### FDI FLEXDRAPER® SPECIFICATIONS

Size	30' (9.1 m)	35' (10.7 m)	40' (12.2 m)	45' (13.7 m)
Weight* Single Knife Drive with FM100	7460 lb (3384 kg)	7760 lb (3520 kg)	8230 lb (3733 kg)	-
Weight* Double Knife Drive with FM100	-	-	8370 lb (3797 kg)	8800 lb (3992 kg)
Knife: Type / Drive / Speed / Guards	Single or double knife / Hydraulic, MacDon design enclosed oil bath wobble box(es) / 1050 to 1400 spm, varies depending on header size / Pointed DHT (double heat-treated), strong, mud-resistant profile			
Reel: Type / Drive / Speed / Fingers	Pick-up reel, 2-piece (double), flip-over design, cam-leading finger control / Hydraulic / 0 to 67 rpm, varies depending on combine model / 279 mm (11") length, wear-resistant HD plastic, 102 mm (4") spacing			
Conveyor: Type / Drive / Speed	1057 mm (41.6") width, reversible 680.4 g (24 oz) rubber skim-coated drapers, double V-guide with tracking, integral seal on leading edge / Hydraulic / 0 to 194 m/min (0 to 636 ft/min,) depending on combine model			
Standard Features	Adapters for most current model combines, hydraulic fore-aft reel positioner, hydraulic header tilt, cutterbar poly wear plates, auto-header height with header angle and ground pressure indicators			
Field-Installed Options	Upper cross auger, stabilizer wheels, in-cab side draper speed control, slow speed transport, lateral tilt automatic header height control			

\*All listed weights are approximations and will vary depending on header configuration. Check with your dealer for combine ratings. Weight includes FM100 Float Module. The FM100 Float Module weighs approximately 2400 lb (1089 kg); this number varies by combine model.

### FM100 FLOAT MODULE SPECIFICATIONS

	Center Draper	Feed Auger
Size	2000 mm (78.7") width	1660 mm (65.3") width
Weight	Approximately 2400 lb (1089 kg), varies by combine model	
Type	Self-tracking, rubber-coated polyester fabric feed draper with rubber slats, hydraulic drive (reversible)	Floating auger, mechanical drive (reversible), removable retracting fingers with full-retraction when reversing
Speed	107-122 m/min (350 to 400 ft/min)	185-206 rpm, varies with combine model
Header Flotation: Type / Vertical Range / Lateral Range (Tilt)	Two pairs of coil springs, independent adjustment, transport lock-out / 178 mm (7") / 4.8 degrees	

Fits most current model combines.





## SPECIFICATIONS

### MI SERIES WINDROWER SPECIFICATIONS (PAGE 4)

	<b>M1240</b>	<b>M1170</b>
Engine	Cummins QSB-6.7L 6 Cylinder Tier 4 Final Turbo Diesel (B20 bio diesel approved)	Cummins QSB-4.5L 4 Cylinder Tier 4 Final Turbo Diesel (B20 bio-diesel approved)
Horsepower	Rated 248 HP (185 kW) @ 2200 rpm. Peak 262 HP (195 kW) @ 2000 rpm	Rated 173 HP (129 kW) @ 2400 rpm
Weight*	13,400 lbs (6,078 kg)	13,100 lbs (5,942 kg)
Batteries / Alternator	2, 12-volt / 200 A	
Fuel Tank / DEF Tank	140 gal (530 L) / 7.5 gal (28 L)	
Front Tread Width	135.8 in (3449 mm)	
Rear Tread Width	Adjustable from 96.4 in (2448 mm) to 151.8 in (3856 mm)	
Wheel Base	168.9 in (4290 mm)	
Crop Clearance	45.7 in (1160 mm)	
Drive Wheels	600-65R28 bar or 580-70R26 turf, radial	
Tail Wheels	16.5L-16.1 with independent suspension	
Transmission	Infinitely Variable	
Field Speed	Up to 18 mph (29 km/h)	
Road Speed	Up to 28 mph (45 km/h)	
Final Drive	Planetary gearbox	
Cab Equipment	Dual Direction® operator station, Ultra Glide® cab suspension	
Operator Station	<b>Standard Cab:</b> Bluetooth® equipped radio, windshield shades (front and rear), high-back multi-adjustable air ride seat, fold away trainer seat, windshield wiper with washer fluid, auto climate control, warning beacons, tilt and telescoping steering column, 4 halogen road lights, 8 halogen work lights <b>Deluxe Cab option adds:</b> Heated and vented leather seat, leather fold away training seat, power mirrors, 360° Night Vision from 8 high power LED work lights	
Harvest Performance Tracker	7" color LCD display, featuring an all-new One-Touch-Return header preset system.	
Instrumentation and Monitor System	<b>Monitoring functions:</b> (1) Speed: ground, knife, reel, conveyor, cooling fan (2) Pressure: knife, reel, conveyor, supercharge (3) Header Position: height, tilt, float, reel height, reel fore/aft (4) Engine: speed, fuel consumption, load	
Options	Centrelink Alignment Kit, Rear Ballast Weights, Weightbox and Harness for Header Transport, Float Booster Springs, Double Windrow Attachment	

\*Weight with 600-65R28 bar tires and 16.5L-16.1 suspended tail wheels.



### WINDROWER TO HEADER COMPATIBILITY

	A40D	A40DX	D65	D1X	D1XL	R85	R1
M1170		✓		✓	✓		✓*
M1240		✓		✓	✓	✓ 16'	
M155/M155E4	✓		✓			✓	✓*
M205	✓		✓			✓ 16'	

\*Double Windrow Attachment Not Available.



## SPECIFICATIONS

### DIX & DIXL SERIES DRAPER HEADER SPECIFICATIONS (PAGE 12)

Size (DIX)	D115X 15' (4.6 m)	D120X 20' (6.1 m)	D125X 25' (7.6 m)				
Weight (DIX)**	2780 lb (1258 kg)	3265 lb (1484 kg)	4072 lb (1847 kg)				
Size (DIXL)				D130XL 30' (9.1 m)	D135XL 35' (10.7 m)	D140XL 40' (12.2 m)	D145XL 45' (13.7 m)
Weight (DIXL)**				5110 lb (2318 kg)	5649 lb (2562 kg)	6,224 lb (2823 kg)	6,605 lb (2996 kg)
Knife: Type / Drive / Speed	Double knife / Hydraulic, MacDon design enclosed oil bath Wobble Boxes / 1,500 to 1,900 spm (speed varies depending on header size, faster knife speed on smaller headers or double knife headers)						
Guard Types Available	Standard: Pointed DHT (double heat-treated) with 4 stub SM (sheet metal hold-down, forged bottom guard) at each end Optional: (Dealer Installed): pointed CH (case-hardened), stub SM (sheet metal hold-down, forged bottom guard), stub F (forged top and bottom)						
Reel: Type / Drive / Speed / Fingers	5 or 6 bat pickup reel, flip-over design, cam-leading finger control, single reel 25'-35', double reel 35'-45' / Hydraulic / 0 to 85 rpm / HD plastic fingers, 6" (152 mm) spacing, 11" (279 mm) length						
Conveyor: Type	DIX: (15'-25'): 41.6" (1,057 mm) wide 24 oz (680.4 g) rubber skim-coated drapers, reversible double V-guide with tracking, integral seal on leading edge DIXL: (30'-45'): 49.6" (1,260 mm) wide 24 oz (680.4 g) rubber skim-coated drapers, reversible double V-guide with tracking, integral seal on leading edge						
Conveyor: Drive / Speed / Delivery	Hydraulic / 0 to 742 ft/min / Hydraulic deck shift 25'-35', Centre Delivery 40'-45' opening width 60.6" (1,539 mm) to 76.7" (1,948 mm)						
Options	Upper cross auger, stabilizer wheels, slow-speed transport with stabilizer wheels and other specialty option kits						
	<i>**All listed weights are approximations and will vary depending on header configuration</i>						

### R1 SERIES ROTARY DISC HEADER SPECIFICATIONS (PAGE 16)

Size	13' (4 m)
Weight (No Conditioner)	4650 lb (2109 kg)
Number of Cutting Discs / Blades	8 / 2
Drive (Maximum Hydraulic Power)	127 HP (94 kW)
Cutting Speed / Knife Tip Speed	1,800 to 2600 rpm / 131 mph (210.8 km/h) to 189 mph (304 km/h)
Cutting Angle Range	0-8° below horizontal
Gear Train Protection (Cutter Bar)	Shear pin in each spindle
Hay Conditioner Options: Type / Length	Inter-meshing steel / 129" (328 cm), polyurethane rolls / 129" (328 cm), no conditioner
Options	Tall crop dividers

### R SERIES ROTARY DISC HEADER SPECIFICATIONS (PAGE 20)

Size	16' (4.9 m)
Weight	4650 lb (2109 kg)
Drive (Maximum Hydraulic Power)	231 hp (174 kW)
Cutting Speed / Knife Tip Speed	1800 to 2600 rpm / 131 mph (210.8 km/h) to 189 mph (304 km/h)
Cutting Angle Range	0-8° below horizontal
Number of Cutting Discs / Blades	10 / 2
Hay Conditioner Roll: Type / Length	Inter-meshing steel / 118" (3000 mm)
Gear Train Protection	Shear key in each spindle
Options	Tall crop divider, gauge roller (only available for 16' (4.9 m) model), adjustable skid shoes, double windrow attachment, hydraulic couplers for quick attachment



## SPECIFICATIONS

### A SERIES AUGER HEADER SPECIFICATIONS (PAGE 22)

Size	16' (4.9 m)	18' (5.5 m)
Weight	5058 lb (2295 kg)	5248 lb (2381 kg)
Sickle: Type / Drive / Speed / Stroke / Guards / Sickle Sections	Double knife / Hydraulic, dual MacDon Wobble Boxes / Variable 1450 to 1900 SPM / 3" (76 mm) / Pointed DHT (double heat-treated) / 3" (76 mm) over-serrated, bolt-on	
Reel: Type / Drive / Speed (optional sprockets) / Fingers*	6 bat, oval closed bats with end caps, sectioned bar with greaseable ball bearings / Hydraulic, motor to enclosed gearbox / Variable from cab 51 to 85 rpm / Steel	
Conveyor (Auger): Type / Drive / Speed (optional sprockets) / Delivery Width	20" (508 mm) undershot, center-feed auger over replaceable, high-density polyethylene auger pans, rubber feed fingers / Hydraulic, direct-mounted motor / Variable from cab 230 to 320 rpm / 95.7" (2430 mm)	
Conditioner: Type / Roll Length / Outside Dimension / Drive / Speed	Non-contact, steel N-bar, intermeshing crimping rolls, header-mounted rolls and forming shields / 102" (2590 mm) / 9.17" (233 mm) / Hydraulic motor to enclosed gearbox / Variable 601 to 790 rpm	

\*Max speeds will be dependent upon Windrower model

### R1 SERIES ROTARY DISC PULL-TYPE SPECIFICATIONS (PAGE 36)

Size	13' (4 m)	16' (4.9 m)
Number of Cutting Discs / Blades	8 / 2	10 / 2
Horse Power Requirements	100 HP	125 HP
PTO	1000 RPM PTO 13/8" (35 mm) / 21 spline or 13/4" (45 mm) / 20 spline	
Weight (Steel Conditioner)	5670 lb (2572 kg)	6240 lb (2830 kg)
Weight (Steel Conditioner with Road Friendly Transport)	7260 lb (3293 kg)	7810 lb (3543 kg)
Length (without Road Friendly Transport)	280" (711 cm)	338" (858 cm)
Length (with Road Friendly Transport)	328" (833 cm)	386" (985 cm)
Transport Width (without Road Friendly Transport)	160" (406 cm)	198" (502 cm)
Transport Width (with Road Friendly Transport)	106" (269 cm)	106" (269 cm)
Tractor Hydraulic Capacity (psi)	2000 psi	
Tractor Hydraulic Remotes	Requires 2 remotes, 3 with hydraulic header angle adjustment option.	
Gear Train Protection (Cutter Bar)	Shear pin in each spindle	
Hay Conditioner Options: Type / Length	Inter-meshing steel and Polyurethane rolls and Finger Type / 129" (328 cm) / No Conditioner	
Hitch Type	Drawbar or Category II, 2-point hitch (Quick hitch adaptable)	
Header Angle Adjustment	Manual standard, hydraulic optional.	
Mower Configuration	Center Pivot	
Field Tires	31-13.5 R15 8ply	
Transport Tires (optional)	235-80 R16	
Options	Tall crop divider, and Hydraulic header angle adjustment, Road Friendly Transport	

### PW8 PICK-UP HEADER SPECIFICATIONS (PAGE 34)

Weight	3200 lbs (1452 kg)
Overall Width	18' 6" (566 cm)
Effective Picking Width	14' 8" (452 cm) between divider lugs
Overall Depth	96.9" (246 cm)
Auger Diameter	24" (61 cm)
Auger Fingers	Factory set for 18, qty to match specific combine feeder house
Auger Speed	0-200 rpm (Depending on combine model)
Auger Drive Chain	Endless # 80 chain
Drive Shaft	Heavy duty, 1.375" diameter, fully shielded with built-in clutch
Draper Belts	Each deck consists of (4) 44.3" (1125 mm) wide drapers joined and equipped with patented tracking V-guide on right end
Draper Speed	0-35 ft/min (10.7 m/min), depending on combine model
Draper Fingers	5" Plastic
Draper Rollers	Large 5" (127 mm) drive and 4" (102 mm) idler roller (same on both decks) with V-Groove on the right-hand side to ensure proper draper tracking and reduced slippage
Draper Drive	Two, 5.9 CID (97 cc) hydraulic motors
Gauge Wheels	18.5/8.50-8, adjustable height
Header Float	Spring-Over-Shock System requires no adjustment or lock-out for transport and provides 18 inches of wheel float

# Keep your MacDon at peak performance with MacDon Performance Parts.

If you own a MacDon, it's probably because you wanted a machine with a high level of performance, reliability, and overall quality. To keep your MacDon running at its peak performance, insist on MacDon Performance Parts. Parts are designed to meet MacDon's demanding performance specifications. They are tested in the toughest real-world conditions, ensuring the worry-free harvesting performance you've come to rely on with MacDon.

## ***Demand the best for your harvest.***

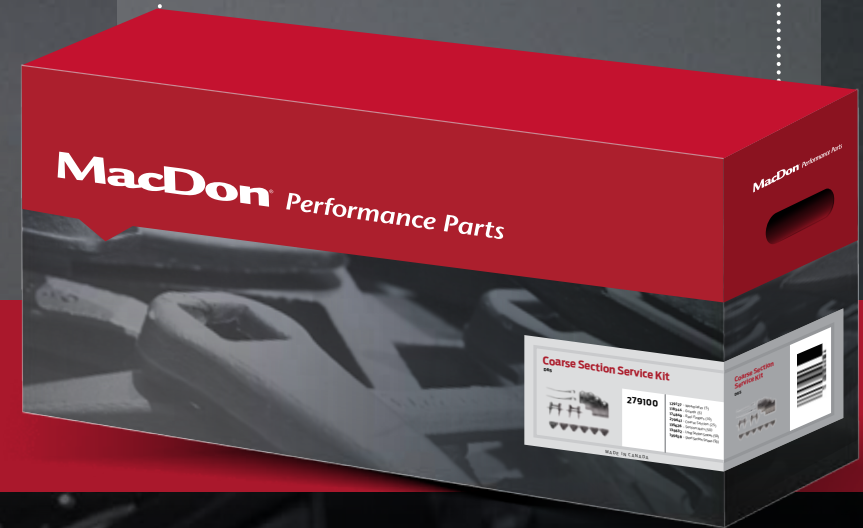
Ask for MacDon Performance Parts at your local MacDon Dealer parts counter.

# MacDon® *Performance Parts*

Order Draper Header Service Kits from MacDon and enjoy the convenience of having all of your high wear draper header replacement parts in one simple package!

### ALL DRAPER HEADER SERVICE KITS INCLUDE:

- ✓ Sections
- ✓ Reel Fingers
- ✓ Hardware
- ✓ Guards
- ✓ Wearplates



MacDon  
FD145  
FLEXDRAPER®



**MacDon®**

***The Harvesting Specialists. MacDon.com***

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