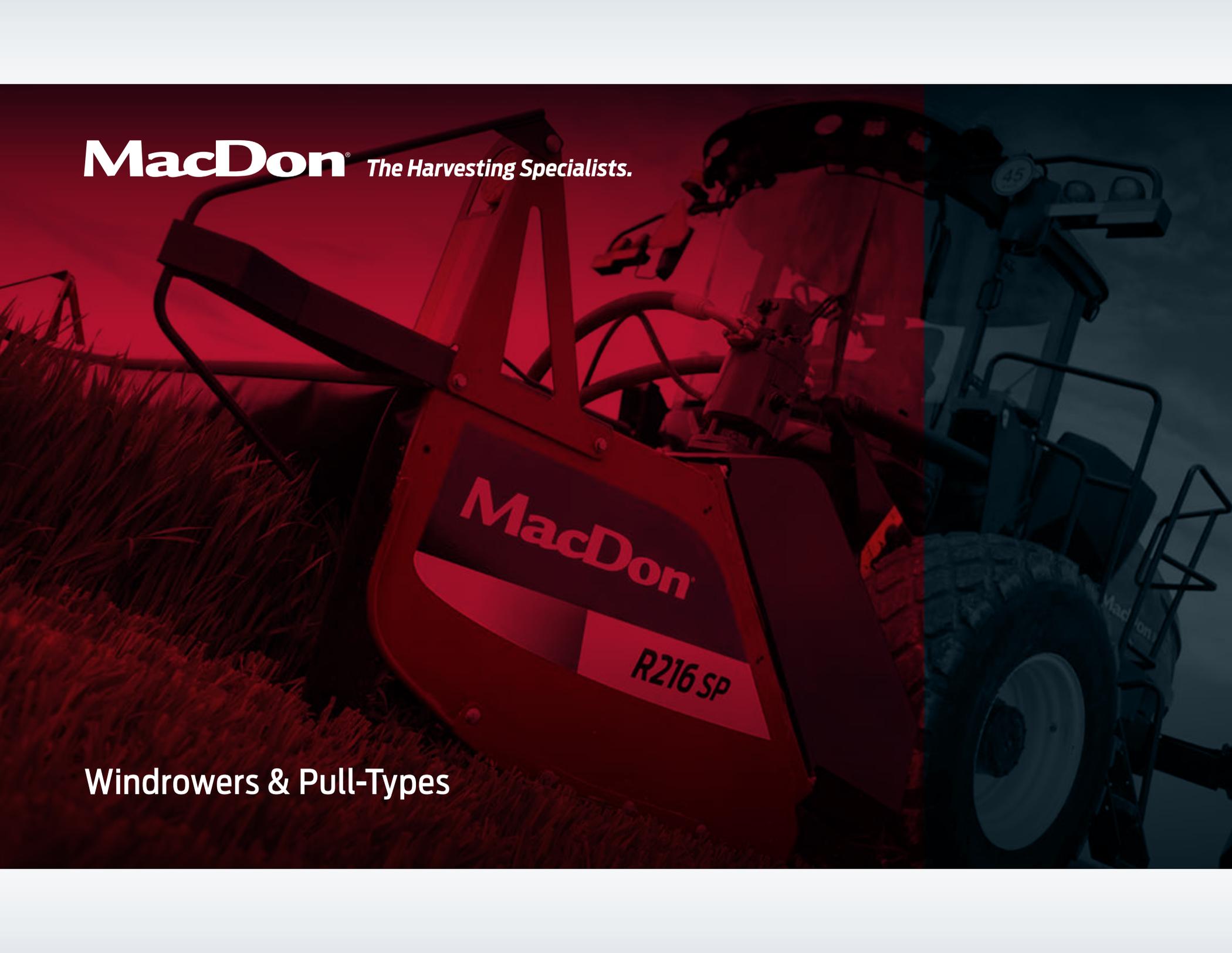


**MacDon**® *The Harvesting Specialists.*

**MacDon**

R216 SP

**Windrowers & Pull-Types**



## Harvesting Performance

For over 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.*

### MacDon Industries Ltd.

680 Moray Street  
Winnipeg, Manitoba, Canada R3J 3S3  
t. (204) 885-5590 f. (204) 832-7749

### MacDon, Inc.

10708 North Pomona Avenue  
Kansas City, Missouri, United States 64153-1924  
t. (816) 891-7313 f. (816) 891-7323

### MacDon Australia Pty. Ltd.

A.C.N. 079 393 721  
P.O. Box 103 Somerton, Victoria, Australia 3062  
54 National Boulevard, Campbellfield, Victoria, Australia 3061  
t. +61 3 8301 1911 f. +61 3 8301 1912

### MacDon Brasil Agribusiness Ltda.

Rua Grã Nicco, 113, sala 202, B. 02  
Mossunguê, Curitiba, Paraná  
Brasil CEP 81200-200  
t. +55-41-2101-1713 f. +55-41-2101-1699

### LLC MacDon Russia Ltd.

123317 Moscow, Russia  
10 Presnenskaya nab, Block C  
Floor 5, Office No. 534, Regus Business Centre  
t. +7 495 775 6971 f. +7 495 967 7600

### MacDon Europe GmbH

Hagenauer Strasse 59  
65203 Weisbaden  
Germany



Join us on Facebook, Twitter, YouTube, Instagram, and LinkedIn.



# CONTENTS

## WINDROWERS & HEADERS

M1 Series Windrowers	4-11
D1XL Series Draper Headers (Windrower)	12-15
R2 Series Rotary Disc Headers	16-19
R1 Series Rotary Disc Headers	20-23
A Series Auger Headers	24-25

## PULL-TYPES

R1 Series Rotary Disc Pull-Types	26-29
----------------------------------	-------

## SPECIFICATIONS

Product Specifications	30-33
------------------------	-------

## PARTS

MacDon Performance Parts	34-35
--------------------------	-------



## 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

MI 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 MI 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 Diesel with 173 horsepower at 2400 rpm. Either way, more engine power combined with increased header drive capacity means MI Series Windrowers are ready for any harvesting situation.

### A KEEPING ITS COOL UNDER PRESSURE

Keeping their cool under pressure, MI 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



B





**18** MPH  
IN-FIELD

**28** MPH  
ON ROAD

**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.*



**DUAL DIRECTION®**





## 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.







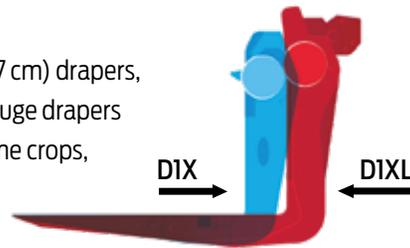
**D1XL Series Draper Headers**

## 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.





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 M1. Header lift height is improved too, with 3" more height than our 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.

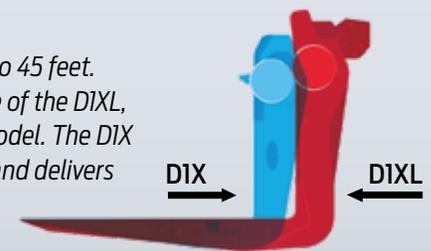
*\*Always follow local traffic laws and regulations.*



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 delivers 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	R2
M1170		✓		✓	✓		✓*	
M1240		✓		✓	✓	✓ 16'		✓
M155/M155E4	✓		✓			✓	✓*	
M205	✓		✓			✓ 16'		

\*Double Windrow Attachment Not Available.



**R2 Series Rotary Disc Headers**

## Hit it with the Haymaker!

Heavy or Light, Tall or Short, Lodged or Standing crops. The all-new MacDon R2 Rotary Disc Header and M1240 Windrower deliver a knock-out performance in a wide variety of crops and conditions. Featuring MacDon EvenFlow™ Technology, the R2 delivers the best possible cut, conditioning, and windrow formation, allowing for quick dry down and increased productivity.

### A THE EVENFLOW ADVANTAGE *EvenFlow™*

#### A CLEAN SHAVE

Low-profile forward mounted cutting discs provide a nearly flat header angle, resulting in a close, clean, smooth cut at speeds of up to 16 mph (26 km/h). The 18 degree reversible blades provide more lifting action in lodged crop.

#### SERIOUS CONDITIONING

The R2 features the industry's widest conditioning rolls at 129 inches (328 cm). This massive conditioning surface area creates well-conditioned windrows even in the heaviest crop conditions.

#### Choose from two conditioning options:

Steel Inter-Meshing Rolls, ideal for high volume crops that require aggressive feeding; or Polyurethane Rolls that deliver a crimp/crush action to gently condition leaves and delicate stemmed crops.

#### EVEN WINDROWS

Uniform windrow formation has never been easier. M1 Series Windrowers feature in-cab controls allowing the operator to adjust the R2's baffle, controlling windrow formation on-the-go. Altogether, EvenFlow Technology delivers the best possible cut, conditioning, and windrow formation, allowing for quick dry down and increased productivity.



**A CLEAN SHAVE**



**SERIOUS CONDITIONING**



**EVEN WINDROWS**

**B ONE TOUCH CONTROLS**

One touch controls allow for faster and more precise positioning of the header. Operators can easily program One-Touch-Return buttons for fast in-field control of the header's height, tilt, and disc speed.

**C EASY MAINTENANCE**

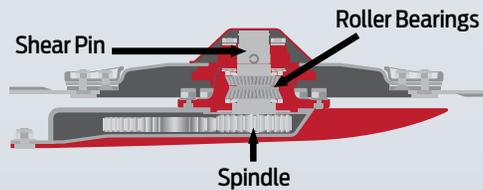
Serviceability with the R2 is a breeze with easy access to the belts and optional quick coupling drivelines to the conditioners.

**D CUTTERBAR PROTECTION**

Each of the R2's discs feature shear pin protection. These pins are designed to shear if the disc comes into contact with a large rock in the field. Once sheared the disc moves up out of the path of the obstruction preventing any damage to the rest of the cutter bar. The shear pins can be quickly replaced in-field, with minimal downtime. Worry-free harvesting performance is ensured with MacDon's 3-Year cutterbar warranty.

**E DOUBLE WINDROW ATTACHMENT**

MacDon's optional Double Windrow Attachment saves time and money. The DWA combines two or three passes into a single windrow, ideal for keeping today's large forage harvesters working at capacity.



### WINDROWER TO HEADER COMPATIBILITY

	A40D	A40DX	D65	D1X	D1XL	R85	R1	R2
M1170		✓		✓	✓		✓*	
M1240		✓		✓	✓	✓ 16'		✓
M155/M155E4	✓		✓			✓	✓*	
M205	✓		✓			✓ 16'		

\*Double Windrow Attachment Not Available.





**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

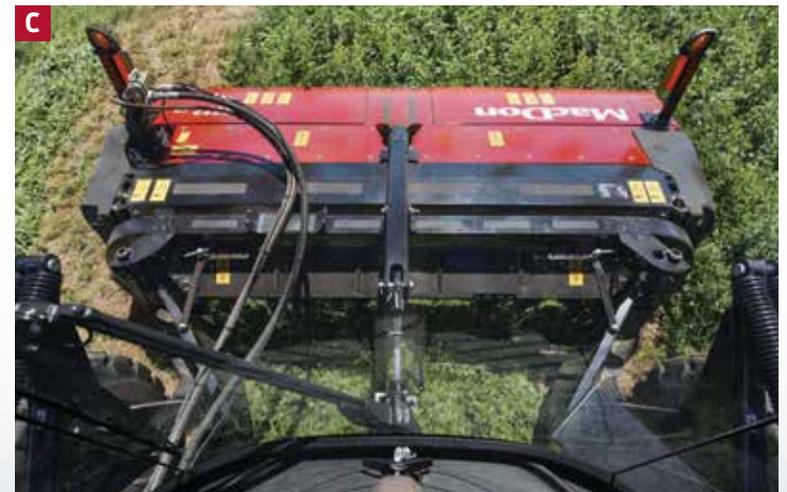
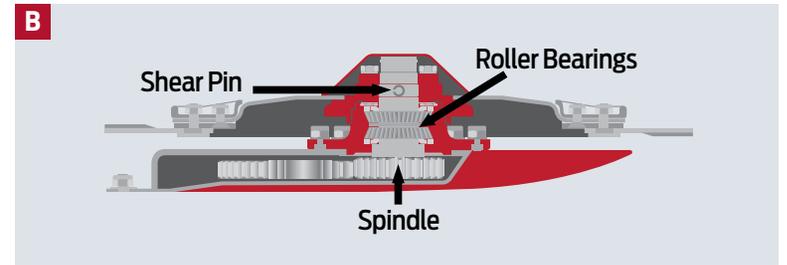
Our low-profile, forward-mounted cutting discs provide a flat header angle, resulting in a cleaner, smoother cut. Our cutterbar design is backed by MacDon's 3 Year Cutterbar warranty. That's our way of ensuring worry-free harvesting performance.

## 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	R2
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.





A Series Auger Headers

WINDROWER TO HEADER COMPATIBILITY								
	A40D	A40DX	D65	D1X	D1XL	R85	R1	R2
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.

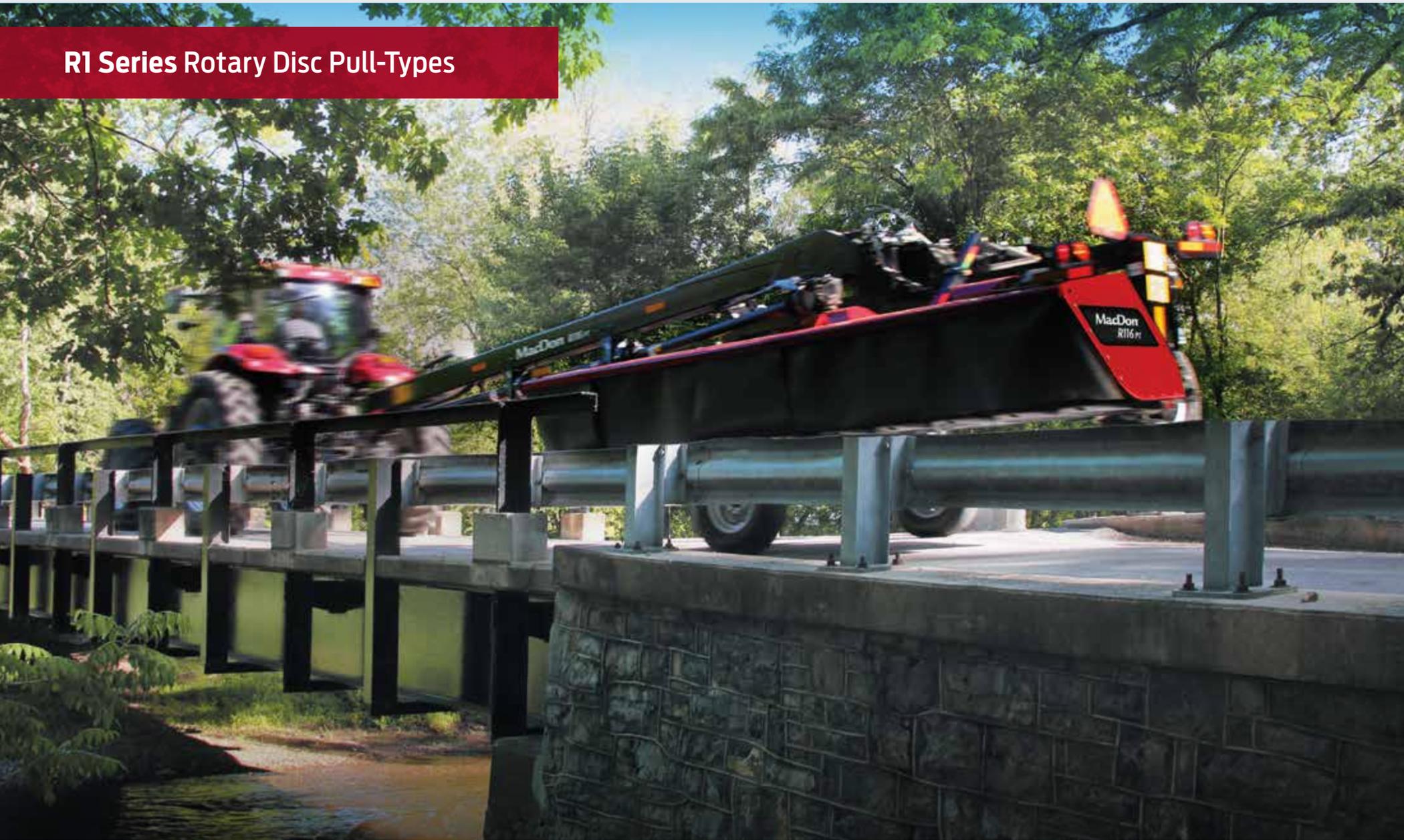
### **B SERIOUS CONDITIONING**

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.

## R1 Series Rotary Disc Pull-Types



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

Don't limit your harvesting possibilities, 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. Featuring forward-mounted cutterbar design and the industry's widest rolls at 129" (328 cm), the R1 delivers well-formed, well-conditioned windrows.

### 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.

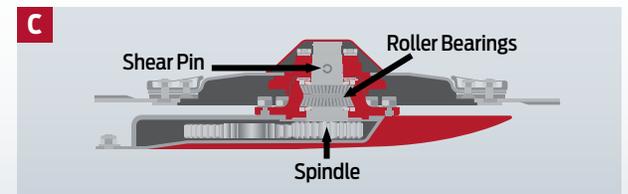


### AE50 AWARD WINNER!

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:**

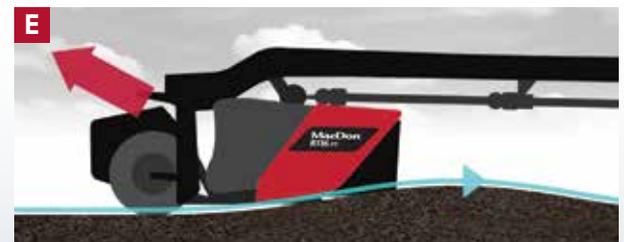
Not using a conditioner is ideal in crop conditions where laying out a wide loose windrow is enough to reduce moisture levels for baling or chopping.

**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

### M1 SERIES WINDROWER SPECIFICATIONS

	<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*	13400 lbs (6078 kg)	13100 lbs (5942 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	R2
M1170		✓		✓	✓		✓*	
M1240		✓		✓	✓	✓ 16'		✓
M155/M155E4	✓		✓			✓	✓*	
M205	✓		✓			✓ 16'		

\*Double Windrow Attachment Not Available.

## DIX & DIXL SERIES DRAPER HEADER SPECIFICATIONS

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" (1057 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" (1260 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

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	1800 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

## R2 SERIES ROTARY DISC HEADER SPECIFICATIONS

Size	16' 2" (4.94 m)
Weight (With Steel Conditioner)	4740 lbs (2154 kg)
Number of Cutting Discs / Blades	10 / 2
Drive (Maximum Hydraulic Power)	231 HP (174 kW)
Cutting Speed / Knife Tip Speed	1800 to 2650 rpm / 187 mph (301 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)
Options	Tall crop dividers · In-cab baffle control · adjustable skid shoes · gauge rollers · double windrow attachment · hydraulic couplers for quick attachment

## SPECIFICATIONS

### A SERIES AUGER HEADER SPECIFICATIONS

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

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 1 3/8" (35 mm) / 21 spline or 1 3/4" (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	



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

### *New Parts Showcase:*

All new MacDon Performance Parts are designed to meet MacDon's demanding performance standards. They have been tested in the toughest real-world conditions, ensuring the worry-free harvest you've come to rely on with MacDon. They offer the added benefit of convenience and are engineered to be of the highest quality. Our genuine parts have been created with our customers in mind.

*Check out the 5 latest offerings from MacDon Performance Parts...*



### *Be Prepared for Performance!*

*MacDon Performance Parts Kits are designed for convenience. Choose from a variety of kits packed with common high wear items for your MacDon Drapers and Windrowers. Keep them on hand and ensure a smooth running harvest, every time.*

### → **Draper Header Kit**

Order one convenient parts kit containing high wear draper header replacement parts that are required by your MacDon header. Sickles sections, guards, wearplates, fingers and hardware are all included in this user-friendly kit. Draper header kits are available for MacDon FD1/D1/FD75 and D1XL/D1X/D65 machines.

---



### → **Annual Filter Kit**

MacDon has your filter requirements covered with this convenience kit containing all of the filters you need for your first round of Windrower maintenance. Kits include air, hydraulic, fuel, and oil filters. Have these filters by your side and ready to go when it's time to do maintenance on your Windrower. Available for M105, M155, M155E4, M205, M1170 and M1240 model windrowers.

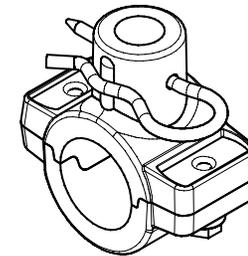
---



### → **Split Finger Holders**

Tired of having to completely dis-assemble your combine adapters and drums just to replace fingers? The new Split Finger Holders from MacDon allows farmers to save time and frustration by simply splitting apart their finger holders on their combine adapter/drum. It's as easy as removing hardware and installing new fingers to get you up and running again.

---



### → **Crop Lifters**

Designed by MacDon, for your MacDon, genuine Crop Lifters lift lodged crop off the ground when crop has been flattened. MacDon crop lifters offer a custom fit specifically designed for MacDon headers, offering optimal performance through all header tilt angles.

---



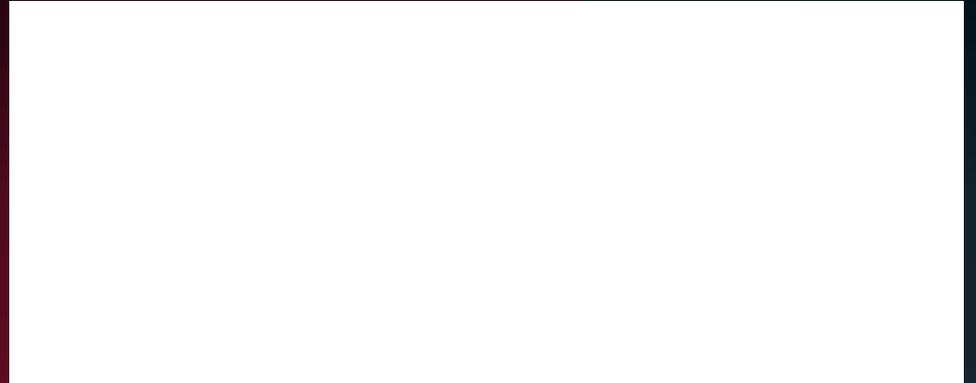
### → **Hollow RTD Finger** (available only for FM100 float modules)

Redesigned and re-engineered FM100 Hollow RTD Fingers were developed with MacDon equipment owners in mind. These fingers undergo a special heat treating process that provide maximum strength, while still allowing the finger to break versus bending, preventing potential damage to combine drums.



**Learn more and find your local MacDon Dealer at [MacDonPerformanceParts.com](http://MacDonPerformanceParts.com)**

# MacDon®



*The Harvesting Specialists. [MacDon.com](http://MacDon.com)*

Trademarks of products are the marks of their respective manufacturers and/or distributors. Specifications and options subject to change without notice. Products subject to availability. Products featured may include available options. **MD-1005B1 2020 Windrower & Pull-Type Brochure ENG NA - V-01-11-19**