

**MacDon**®

*The Harvesting Specialists.*



Draper Headers for Combine



**D1 & FD1 Series Draper Header Performance**

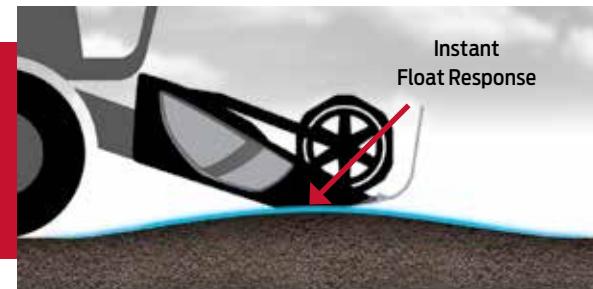
## FM100 Float Module

# The next level of incredible draper 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 performance of our reel. Available in sizes up to 13.7 m (45'), MacDon combine drapers are built tough to deliver worry-free harvesting performance with any crop, in any, any condition, and on any combine.

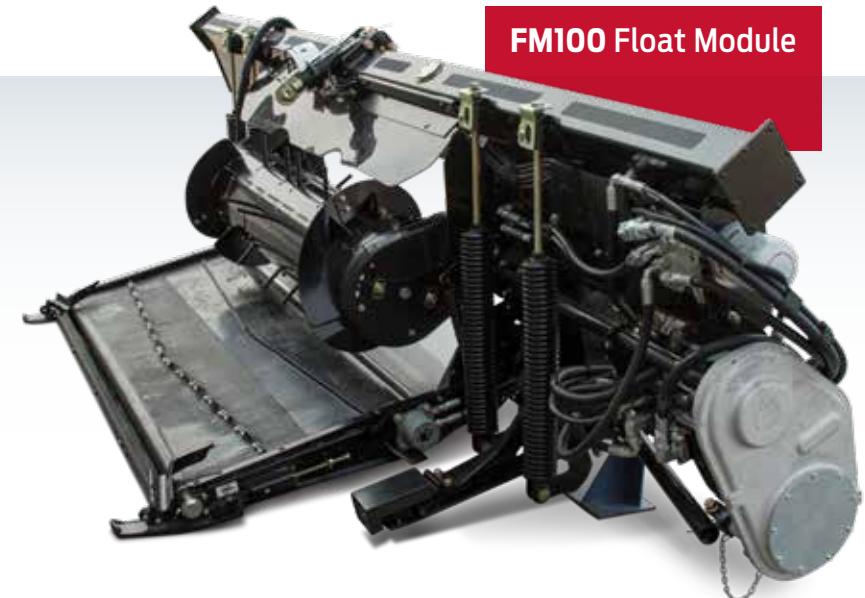
### A ACTIVE FLOAT SYSTEM

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 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. MacDon's Active Float System keeps our headers true to the ground for a clean, even cut every time.



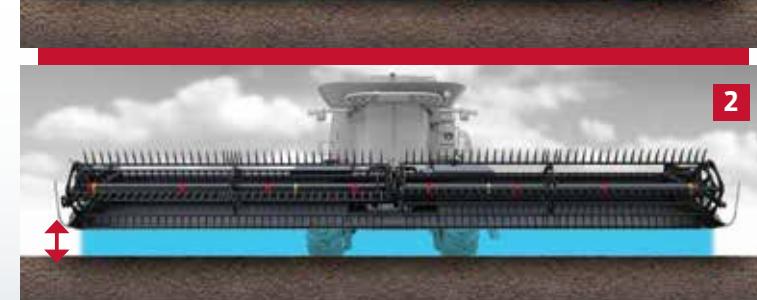
### COMBINE INTERCHANGEABILITY

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



### LATERAL & VERTICAL FLOAT

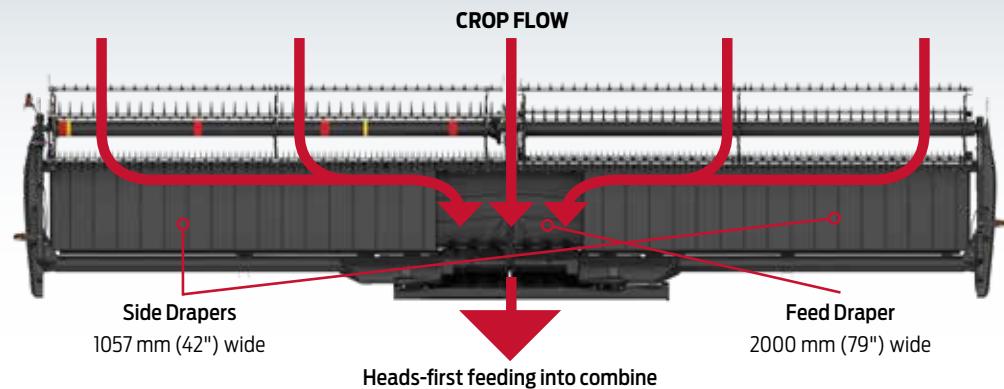
HEADER SIZE	LATERAL FLOAT (1)	VERTICAL FLOAT (2)
9.1 m (30')	@ 4.8° = 411 mm (16")	178 mm (7")
10.7 m (35')	@ 4.8° = 505 mm (20")	178 mm (7")
12.2 m (40')	@ 4.8° = 549 mm (21.5")	178 mm (7")
13.7 m (45')	@ 4.8° = 617 mm (24")	178 mm (7")



## DRAPER HEADERS FOR COMBINE

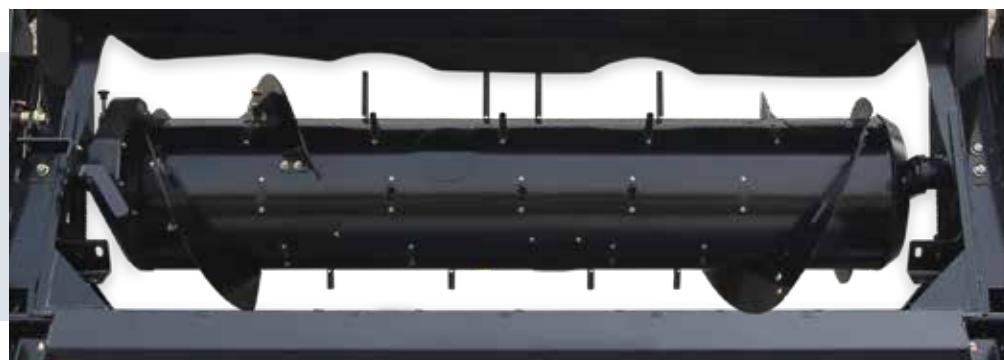
### B ACTIVE CROP FLOW

Upgrading from a traditional auger platform to a MacDon Draper increases productivity during harvest. 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 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.



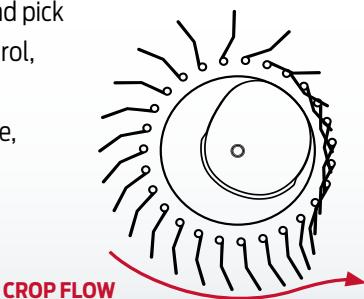
### C OPTIMIZED FEEDING FOR SERIOUS CAPACITY

The Retracting Tine Drum (RTD) of the FM100 has been engineered to maximize crop feeding. Adjustable tine timing and long (154 mm (6")) tine extension, aggressively engage high volumes of crop. The in-feed crop width can be tailored to match specific combine feeder houses.



### 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 reduce, or altogether eliminate, the need for crop lifters.



B



**E MULTI-CROP HARVESTING SOLUTION**

MacDon's D1 and FD1 Series headers are true multi-crop headers that are able to take down cereals, oil seeds, beans – just about any crop in any condition. The FD1 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.

**F ON-THE-GO CONTROL**

Automatic Header Height controls allow the operator to choose ground pressure, cutting height, and header tilt, all right from the operator's seat. When used with the optional Stabilizer Wheels, it allows for automatic cut heights of 30-560 mm (1-22").

**G A CONSISTENTLY CLOSE SHAVE**

MacDon's patented C-shaped low profile cutter bar 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 FULL HEADER WIDTH UPPER CROSS AUGER**

The optional upper cross auger is attached in front of the back tube and runs the full width of the header, on sizes ranging from 7.6 m (25') to 12.2 m (40'). The upper cross auger helps to move heavy, bushy, high-volume crops like oilseed rape and peas, to the center of the header for smooth feeding.





FD1 Series FlexDraper® Headers



ANY CROP  
ANY CONDITION  
ANY COMBINE



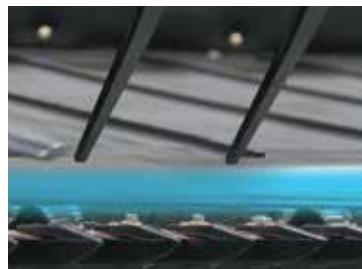
# Ground following like never before

Featuring MacDon Flex-Float Technology™, FD1 Series FlexDrapers 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.



## A CLOSE REEL-TO-CUTTERBAR RELATIONSHIP

The MacDon FD1 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®.



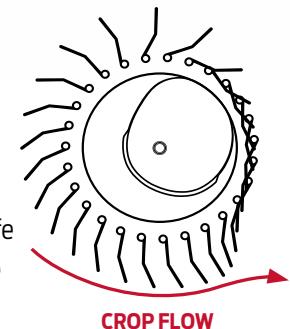
## B ACTIVE FLOAT SYSTEM

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## C 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.



## D TRUE GROUND FOLLOWING

The MacDon FD1 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 245 mm (10") on either end, while maintaining a close reel-to-cutterbar relationship. This unique three-section design lets the FD1 FlexDraper® deliver smooth, consistent, heads-first feeding to the combine, even at extreme flex.



## 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	2830 kg (6240 lb)	3270 kg (7210 lb)	3490 kg (7695 lb)	-	-
Weight* Double Knife Drive with FM100	-	-	-	3706 kg (8170 lb)	3837 kg (8460 lb)
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 bat, 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 1539 mm (60.6") to 1948 mm (76.7")				
Field-Installed Options	Upper cross auger, stabilizer wheels, and other specialty option kits				

\*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 1089kg (2400 lbs); this number varies by combine model.

FD1 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	3384 kg (7460 lb)	3520 kg (7760 lb)	3733 kg (8230 lb)	-
Weight* Double Knife Drive with FM100	-	-	3797 kg (8370 lb)	3992 kg (8800 lb)
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, and other specialty option kits			

\*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 1089kg (2400 lbs); this number varies by combine model.

FM100 FLOAT MODULE SPECIFICATIONS		
Size	Center Draper	Feed Auger
Weight	2000 mm (78.7") width	1660 mm (65.3") width
Type	Approximately 1089 kg (2400 lb), varies by combine model	Floating auger, mechanical drive (reversible), removable retracting fingers with full-retraction when reversing
Speed	Self-tracking, rubber-coated polyester fabric feed draper with rubber slats, hydraulic drive (reversible)	107-122 m/min (350 to 400 ft/min)
Header Flotation: Type / Vertical Range / Lateral Range (tilt)	Two pairs of coil springs, independent adjustment, transport lock-out / 178 mm (7") / 4.8 degrees	185-206 rpm, varies with combine model
Fits most current model combines.		



# MacDon®



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Products subject to availability. Products featured may include available options. **MD-0111D2 Combine Header Brochure 2017 Euro Part #214186**