

MacDon[®] *The Harvesting Specialists.*



D1 & FD1 Combine Headers

Harvesting performance.

MacDon is a world leader in technology, innovation, and manufacturing of high-performance harvesting equipment. Our products are distributed and supported worldwide from offices in Canada, the United States, Australia, Russia, and Brazil. Our relentless pursuit for improvement is driven by the desire to make harvesting easier and more productive for farmers.

We work directly with producers and custom harvesters to design, develop, and test our machines in the most demanding field conditions around the world. That's our way of ensuring that your MacDon-built equipment will deliver worry-free harvesting performance. We are proud of our worldwide reputation for excellence and take our position as The Harvesting Specialists seriously. Because at the end of the day, our equipment is harvesting the crops that help producers feed the world.



MacDon® *The Harvesting Specialists.*

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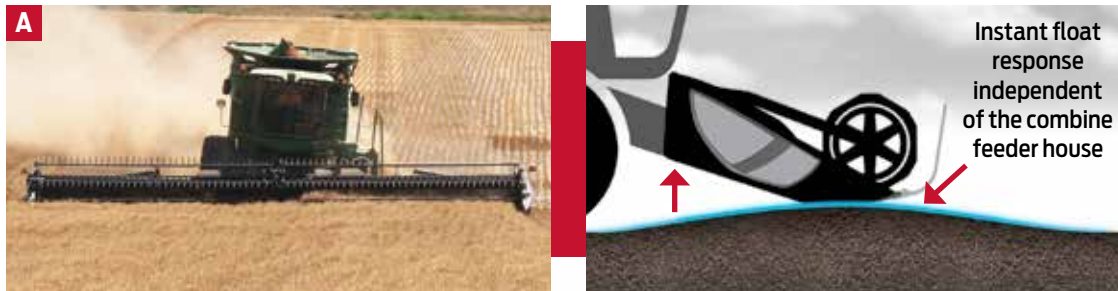
D1 & FD1 Series Draper Header Performance

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 pick-up performance of our reel, to the combine optimized 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.

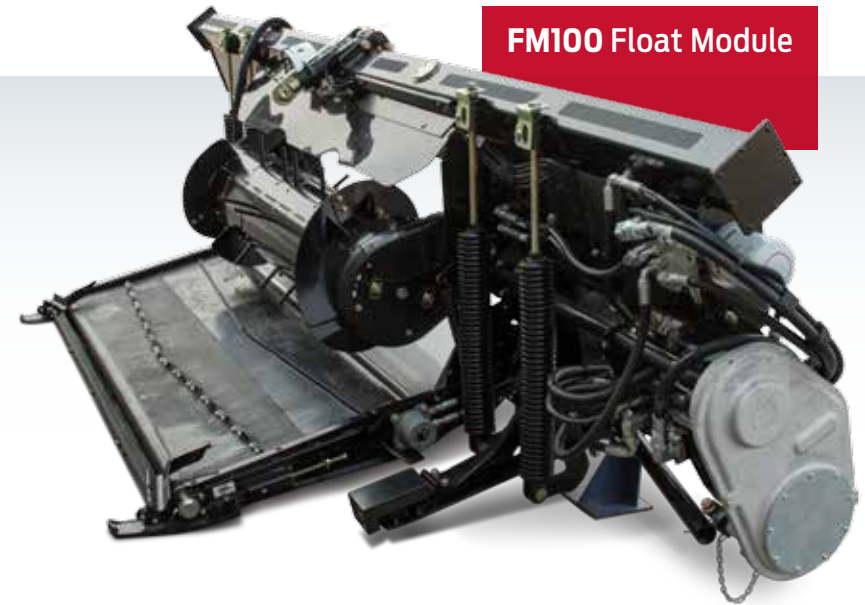


ANY COMBINE

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.

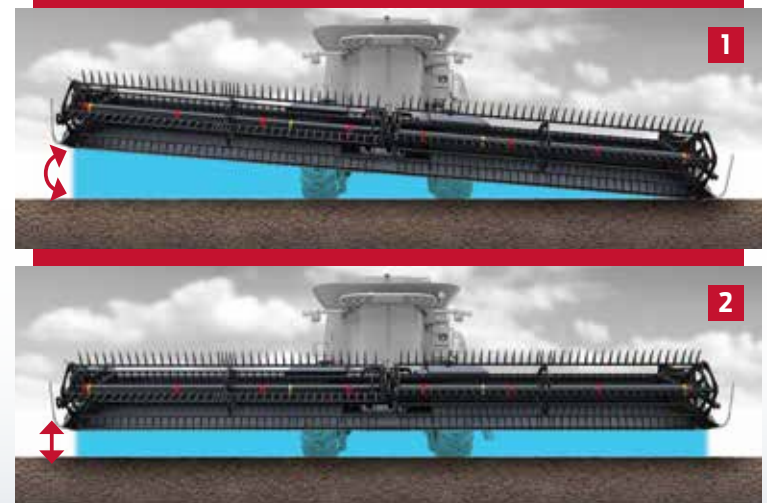


FM100 Float Module



LATERAL & VERTICAL FLOAT

HEADER SIZE	LATERAL FLOAT (1)	VERTICAL FLOAT (2)
9.1 m (30')	@ 4.8° = 406 mm (16")	178 mm (7")
10.6 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")



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 RTD (Retractable Tine Drum), 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 and feature adjustable timing to match the crop volume of any harvest condition. Altogether, the FeedMacX™ system works to optimize the performance of any combine in any crop.

UP TO
**20%
MORE
CAPACITY**

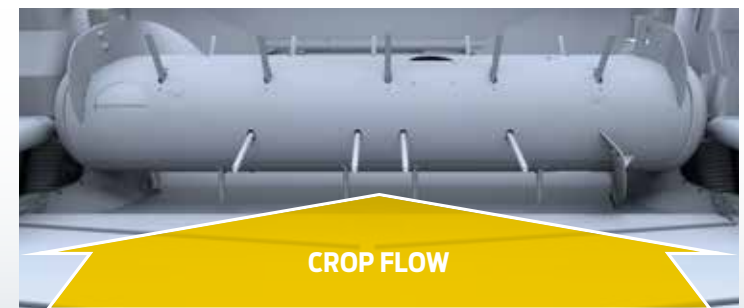
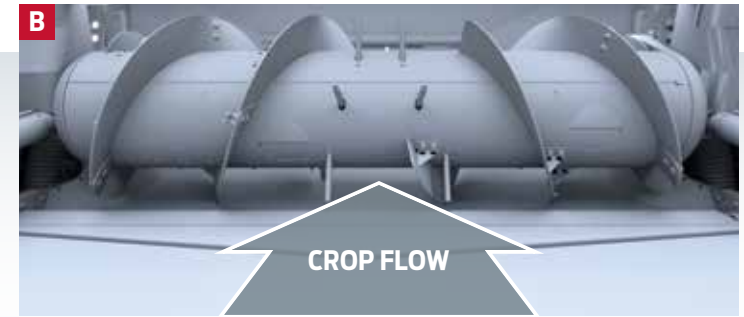
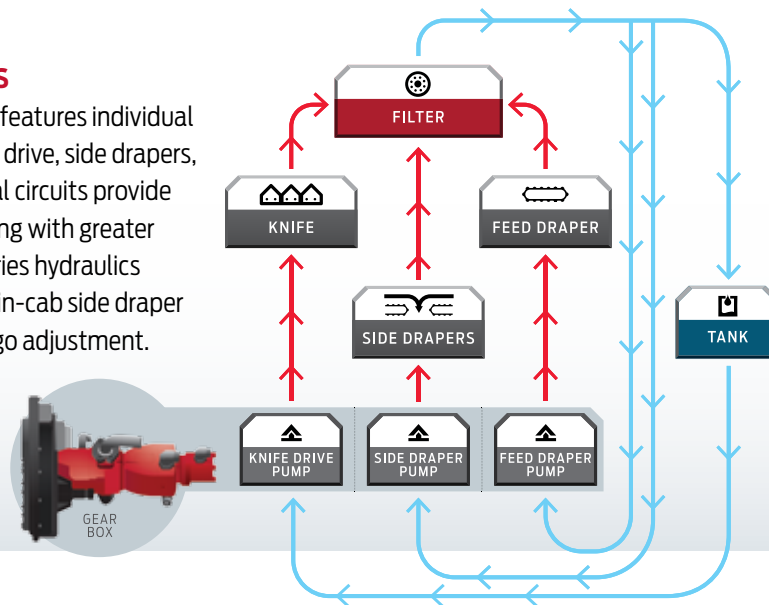
DURABILITY:

The strength and reliability of the FM100's RTD come 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

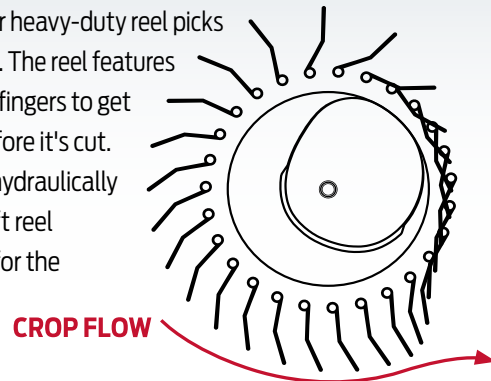
MacDon's new hydraulic system features individual fully filtered circuits for the knife drive, side drapers, and feed draper. These individual circuits provide increased side draper speed, along with greater capacity and reliability. The 1 Series hydraulics make it possible for an optional in-cab side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





D AMAZING REEL PERFORMANCE

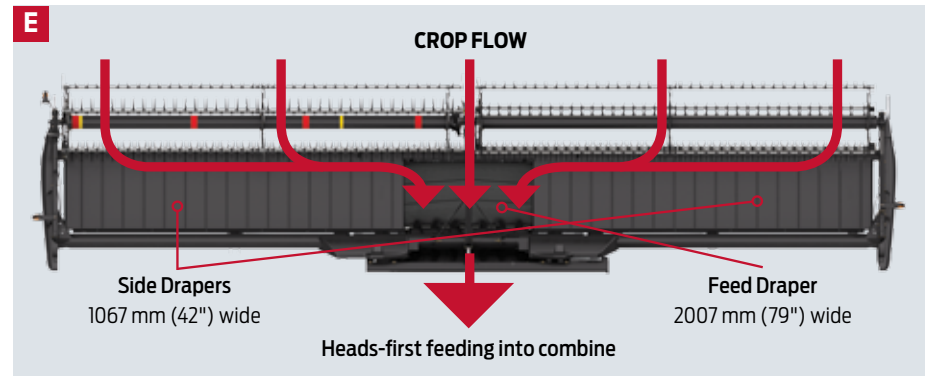
Unlike other headers, the movement of our heavy-duty reel picks up and gently places crop onto the drapers. The reel features a uniquely shaped cam, which allows the fingers to get underneath lodged crop and pick it up before it's cut. Along with the header tilt control, which hydraulically angles the 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.

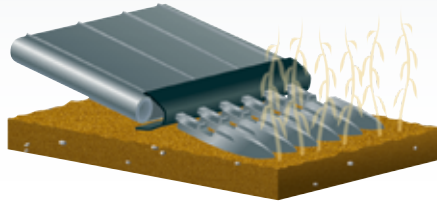


E



G A CONSISTENTLY CLOSE SHAVE

MacDon's patented 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.



G



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 Retracting Tine Drum (RTD) 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.

H



I SELF-CONTAINED TRANSPORT

Our Slow Speed Transport package allows you to tow your D1 and FD1 Series Headers up to 20 mph (32 km/h)*. This option also adds the advantage of spring-loaded stabilizer wheels.

I



**Always follow local traffic laws and regulations.*



FD1 Series FlexDraper® Headers



ANY CROP
ANY CONDITION
ANY COMBINE



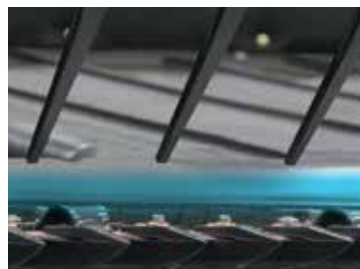
Imitated but never duplicated

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®

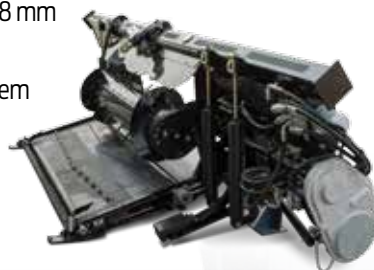
A CLOSE REEL-TO-CUTTERBAR RELATIONSHIP

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 FlexDrapers now feature tight, 4" reel finger spacing on all header sizes.



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.



SPECIFICATIONS

D1 DRAPER HEADER SPECIFICATIONS

Size	25' (7.6 m)	30' (9.1 m)	35' (10.6 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				

**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.

FD1 FLEXDRAPER® SPECIFICATIONS

Size	30' (9.1 m)	35' (10.6 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.		



MacDon®



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

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