

R1 FR SERIES

FRONT MOUNT ROTARY DISC



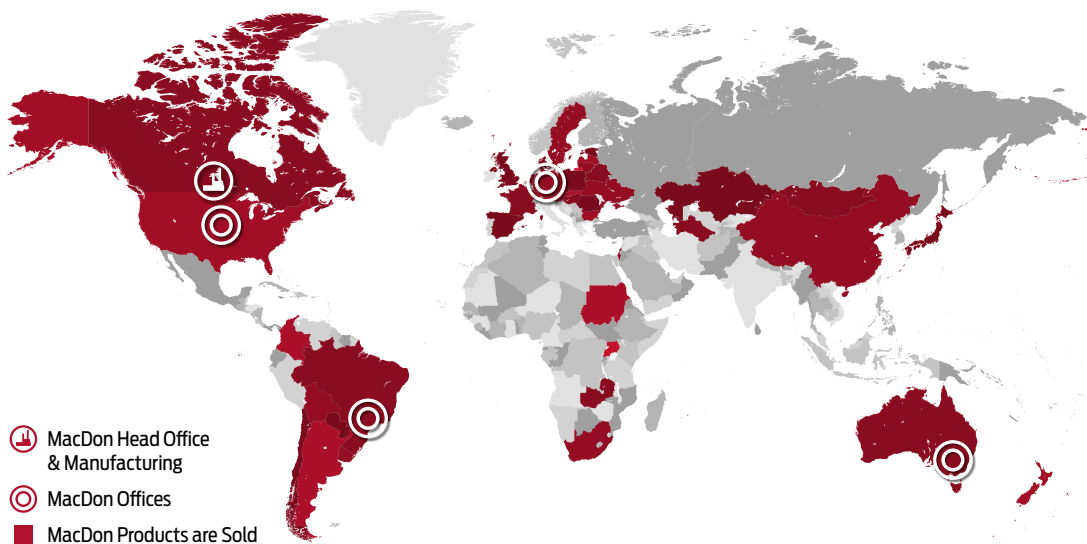
MacDon

The Harvesting Specialists.

HARVESTING PERFORMANCE

For over 75 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, 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 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 Industries Ltd.
680 Moray Street
Winnipeg, Manitoba, Canada R3J 3S3
t. (204) 885 5590 f. (204) 832 7749



Scan here for all
MacDon Global Offices



Connect with us on Social Media!





MACDON
WEBSITE



R1 FR SERIES

FRONT MOUNT ROTARY DISC

Up-Front Productivity

Get ready for high-quality output with minimal horsepower requirements. The R1 FR Series lays down well-formed, well-conditioned windrows with the industry's widest conditioning rollers, full-width baffle, and adjustable forming shields. Boost your productivity further by pairing the R1 FR with the R1 Pull-Type*; shared common parts between the two units make service and maintenance a breeze. Maximize your mowing potential and get more with the MacDon R1 Front Mount Rotary Disc.

**Using both Front Mount and Pull-Types together doubles your tractor horsepower requirements.*



R1 FR SERIES
WEBSITE







THE MACDON R1 FRONT MOUNT ROTARY DISC IS PACKED WITH HIGH-OUTPUT FEATURES TO MAXIMIZE YOUR MOWING PRODUCTIVITY.

A DOUBLE TIME!

Double your productivity by pairing the R1 FR with a MacDon R1 Pull-Type. This dynamic duo multiplies your capacity up to an impressive 32 feet of cutting width*. Common parts between the two units mean service and maintenance are a breeze, making this combination a no-brainer for those seeking efficient, high-quality output.

**Using both Front Mount and Pull-Types together doubles your tractor horsepower requirements. A 32-foot cutting width comes from pairing an R116 FR with an R116 PT.*

B SIXTEEN FEET OF EFFICIENCY

The FR is a seamless choice if you run your operation with a 16-foot cut-width. The R116 FR simplifies your raking and merging logistics by matching windrow spacing on border and pivot tracks, saving you on passes, time, and fuel costs.

C HIGH OUTPUT WITH LESS HORSEPOWER

Doing More with Less, the R1 FR only requires 100 horsepower for the 13-foot and 125 horsepower for the 16-foot models. Less horsepower means less fuel consumption.

D EASY HOOK-UP

The three-point hitch on MacDon's Front Mount Rotary Disc unit is compatible with category 2, 3, and 3N tractors. Cutting disc runs at 2652 rpm @ 1000 PTO; a PTO Completion Package is required and installed by your MacDon dealer.

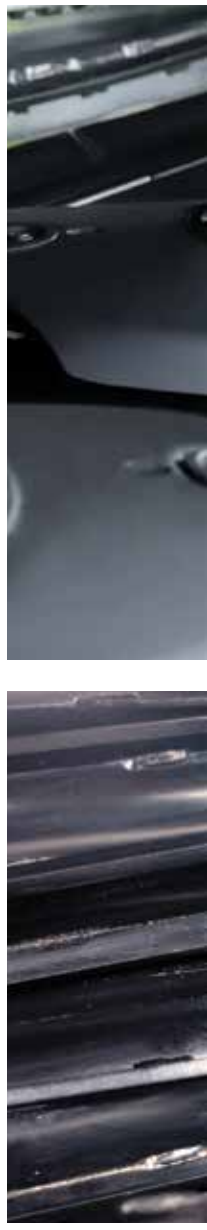
PTO options include:

- 1.375-inch (35 mm) diameter 21-tooth PTO
- 1.375-inch (35 mm) diameter 6-tooth PTO
- 1.75-inch (44.5 mm) diameter 20-tooth PTO

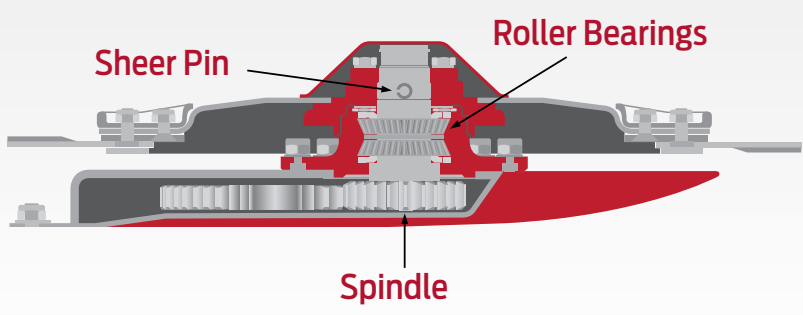




A



D





B

A RESPONSIVE FLOAT DYNAMICS

Using minimal ground pressure, the R1 FR's Responsive Float System moves the unit "up and back" as it encounters bumps in the field. This dynamic movement results in true ground following and helps ensure a clean, even cut of your fields.

B CLEAN CUT WITH A 3-YEAR CUTTERBAR WARRANTY

MacDon's low-profile forward-mounted cutting discs provide a flat header angle, resulting in a clean, even cut. MacDon's 3-Year Cutterbar Warranty ensures worry-free harvesting performance.

C SERIOUS CONDITIONING

The R1 FR Series lays down well-formed, well-conditioned windrows with the industry's widest conditioning rollers at 129 inches (328cm) with Steel Inter-Meshing rollers to handle your crop's dry-down requirements.

Steel Inter-Meshing Rolls:

- Ideal for stiff or solid plant stems.
- Creates well-conditioned windrows across various widths.
- Suited for high-volume crops requiring aggressive feeding.
- Promotes even plant dry down in smooth-stemmed crops.
- Durable steel rolls with minimal maintenance.

D OVERLOAD PROTECTION

Each disc spindle on the R1 FR Series cutterbar features a shear pin designed to shear if it comes in contact with a large object in the field. Once sheared, the disc moves up and out of the way of the other discs, reducing the risk of severe damage to the cutterbar. Operators can replace shear in-field and get back to mowing in a short time.

E WINDROW FORMATION

With a full-width baffle mounted to the conditioner and protective forming shields that can be adjusted to a narrow 5-foot (1.5 m) opening, the R1 FR is ready to lay down well-formed, tailored windrows to meet your needs.



C



E

SPECIFICATIONS

	13 FT	16 FT
CUTTERBAR		
Effective cutting width	13'0 (3978 mm)	16'2 (4942 mm)
Number of cutting discs	8	10
Number of blades per disc	2	2
18 deg bevel down knives	S	S
Offset spur gear cutterbar	S	S
Geartrain protection - Shearpin (safecut)	S	S
Service tool (wrench) for spindles	S	S
Cutting disc rpm @ 1000 PTO	2652 rpm	2652 rpm
Knife tip speed	188 mph (84.7 m/s)	188 mph (84.7 m/s)
Steel on Steel chevron conditioner rolls	0	0
Roll Length	129" (3275 mm)	129" (3275 mm)
Roll outside diameter on 7.0" (179 mm) O.D. tube	9" (229 mm)	9" (229 mm)
Roll Speed	896 rpm	896 rpm
FORMING SHIELDS		
Full width baffle mounted to conditioner	S	S
Header mounted assembly with adjustable side deflectors	S	S
DRIVES		
Gearbox and driveline		
Conditioner Drive - 4HB		
1.375" dia. 21 T. PTO	O ₀	O ₀
1.375" dia. 6 T. PTO	O ₀	O ₀
1.75" dia. 20 T. PTO	O ₀	O ₀
Hydraulic Header Angle Kit		
Double acting cylinder (2 nd hydraulic remote required)	O ₀	O ₀
Mechanical turbuckle (installed in shipping configuration)	S	S
Transport Lights: two red c/w 7 pole connector	S	S
Transport Width Including header (w/out conditioner or other optional kits)	160" (4063 mm)	198" (5027 mm)
ATTACHMENTS & ACCESSORIES		
Tractor Requirements		
Power	75 kW (100 horsepower)	93 kW (125 horsepower)
Hydraulic Capacity	2000 psi (13714 kPa)	2000 psi (13714 kPa)
3pt Hitch Requirement	Category 2, 3, 3N	
Hydraulic Front Couplers (pairs)		
Base model header (float lockout)	1	1
Base plus hydraulic header angle	2	2
NOTE: TRACTOR MUST BE EQUIPPED WITH A TRAILER CONNECTOR WITH 12V POWER		
NOTE: TRACTOR MUST BE EQUIPPED WITH A CAB		

Note for Front Rotary and Pull Type double the horsepower requirement.

S : standard / O₀ : optional (dealer installed)



MACDON
WEBSITE



MacDon®

The Harvesting Specialists. 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. *RI FR Front Mount Rotary Disc Brochure - MY2024 - ENG A4 - 02-26-24 Part# 262589*