

MORRIS

RAZR



DISC DRILL

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CUTTING EDGE DISC DRILL TECHNOLOGY



The new Morris RAZR Disc Drill gives you a performance edge. The walking beam design provides excellent ground following, constant scraper to ground angle and positive furrow closing while creating weight transfer onto the disc blade for added ground penetration. The proven parallel linkage system delivers 10" of transport height while allowing 18" of operating travel and constant down force over the entire working range.

EVERY FEATURE MEASURES UP

The RAZR Disc Drill features a 20" diameter disc blade to give long wear in the field and allows for a reduced blade angle of 5 degrees while still forming the seed furrow. The 12" dual rib packer wheel connected to the walking beam closes the furrow and firms the soil over the seed. The 16" spoke gauge wheel that runs beside the disc, eliminates mud build up and plugging between the gauge wheel and disc blade. The carbide-equipped scraper provides extra wear life and durability.

EASY TO SET ADJUSTMENTS

And with the RAZR Disc Drill adjustments for depth, hydraulic pressure, closing wheel and the scraper are easy to set. The heavy duty 4" x 6" frame, non-greased composite linkage bushings with two 100-hour hub grease points per opener makes the drill robust and easy to service.

DOUBLE-SHOOT

Rear mounted center placed fertilizer placement ensures seed openers run in undisturbed conditions for optimum seed placement. The rear fertilizer discs can be locked up for single-shoot applications.

SEED AT FASTER FIELD SPEEDS

Aside from being able to work in tough conditions the RAZR Disc Drill offers the ability to seed at faster field speeds. Sizes of 40, 50 and 60 feet working widths are available with choice of 7.5", 10" or 15" spacing.



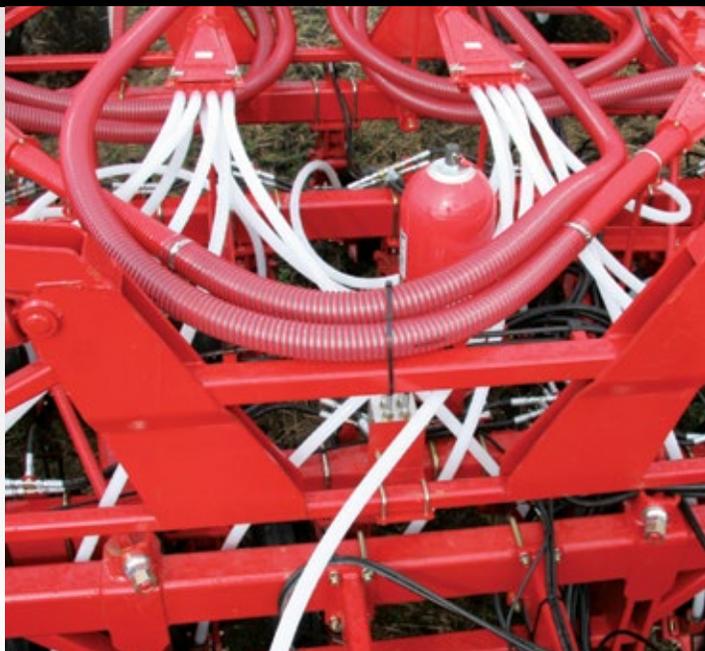
Double-Shoot

MORE EFFICIENT TRACTOR HYDRAULIC DEMAND

Pressure is maintained on the disc unit cylinders through a passive hydraulic system that uses a hydraulic accumulator. This acts as a cushion for the discs and considerably reduces tractor hydraulic demand compared to continuous flow designs. By adding or subtracting oil from the accumulator circuit through a tractor remote, pressure in the accumulator system can be raised and lowered which provides a corresponding increase in downward force and packing pressure.

FIRMER/CRUMBLER CLOSING SYSTEM

A new closing system available for RAZR disc drills enhances the seed placement precision across a broad range of seeding conditions. The new closing system is a seed firming wheel and a spoked closing wheel balanced on a walking arm arrangement. This walking arm arrangement serves as an alternative to the double ribbed packer currently offered and attaches at the same position on the RAZR opener. The 10" diameter V8 firming wheel firms seed onto the soil at the base of the disc furrow resulting in excellent seed to soil contact, reduced seed bounce and improved seed depth precision. The cast steel, spoked closing wheel crumbles loose soil from the furrow sidewall to close the furrow. The seed grows through loose friable soil resulting in rapid uniform crop emergence. This system has proven particularly effective in dry conditions where deeper seeding depths are required and with wet clay soils that are susceptible to over packing with a conventional packer tire.



Down force can be adjusted from 200 to 690 lbs depending on spacing and available frame weight



In-cab pressure control



Firmer/Crumbler Closing System



Hydraulic valve manifold for opener pressure

RAZR DISC DRILL
Specifications and Options

Base Size	3 Frame Models	5 Frame Models	
	40' (12.19 m)	50' (15.24 m)	60' (18.29)
Weight - 7.5" (19 cm) Spacing	30313 lbs (13750 kg)	42768 lbs (19399 kg)	51827 lbs (23508 kg)
- Single Shoot - 10" (25.4 cm) Spacing	27081 lbs (12284 kg)	38344 lbs (17393 kg)	46514 lbs (21098 kg)
- 15" (38.1 cm) Spacing	24051 lbs (10909 kg)	34890 lbs (15826 kg)	42333 lbs (19202 kg)
Working Width - 7.5" (19 cm)	38' 4.5" (12 m)	49' 4.5" (15.05 m)	59' 4.5" (18.10 m)
- 10" (25.4 cm)	39' 2" (11.93 m)	49' 2" (14.99 m)	59' 2" (18.03 m)
- 15" (38.1 cm)	40' (12.19 m)	50' (15.24 m)	60' (18.29 m)
Number of Openers - 7.5" (19 cm)	63	79	95
- Single Shoot - 10" (25.4 cm)	47	59	71
- 15" (38.1 cm)	32	40	48
Number of Openers - 7.5" (19 cm)	NA	NA	NA
- Double Shoot - 10" (25.4 cm)	71	89	107
- 15" (38.1 cm)	NA	NA	NA
Frame Width - Main	14' 3.5" (4.356m)	14' 3.5" (4.356m)	14' 3.5" (4.356m)
- Wing Inner	11' 11.5" (3.645m)	11' 11.5" (3.645m)	11' 11.5" (3.645m)
- Wing Outer	NA	5' 4.84" (1.647m)	9' 11.25" (3.029m)
Transport Position - Width	20' 3" (6.17m)	20' 3" (6.17m)	20' 3" (6.17m)
- Height	15' 11" (4.85 m)	15' 11" (4.85 m)	15' 11" (4.85 m)
- Length	31' 7" (9.63 m)	35' 8" (10.87 m)	35' 8" (10.87 m)
Tires - Main Frame Wheels	(8) 16.5x16.1 FI Load Range E	(8) 16.5x16.1 FI Load Range E	(8) 16.5x16.1 FI Load Range E
- Wing Frame Front Castor Wheels	Dual Castor (8) 12.5SLx15 12 Ply Rating	Dual Castor (8) 12.5SLx15 12 Ply Rating	Dual Castor (8) 12.5SLx15 12 Ply Rating
- Wing Frame Rear Wheels	(2 per wing) (8) 12.5SLx15 12 Ply Rating	(2 per wing) (8) 12.5SLx15 12 Ply Rating	(2 per wing) (8) 12.5SLx15 12 Ply Rating
Opener - Disc Down Force	Adjustable from 200 lbs (90.7 kg) to a maximum of 7.5" Spacing – 465 lbs* (210.9 kg)* 10" Spacing – 550 lbs* (249.5 kg)* 15" Spacing – 690 lbs (313 kg) *Limited by available frame weight		
- Packing Force	Increases proportionally with Disc Down Force - 66 lbs to 150 lbs (30 kg - 68 kg)		
- Disc Size	1/4 x 20" (0.63 cm x 50.8 cm) at 5 Degree Angle		
- Gauge Wheel	4 1/2 x 16 x 3 Spoke		
- Packer Wheel	4 x 12 Dual Rib		
Opener to Ground Clearance	10" (25.4 cm)		
Rank to Rank Spacing	59" center to center		
Number of Ranks	2 Rows		
Shank to Shank Spacing	15" (38.1 cm) on 7.5" (19 cm) Spacing 20" (50.8 cm) on 10" (25.4 cm) Spacing 30" (76.2 cm) on 15" (38.1 cm) Spacing		
Weight Kit	Optional		
Safety Lights	Standard		
Hitch Clevis	Standard - Catagory 4		Optional - Catagory 5
Safety Chain	Standard		

Specifications are estimates and subject to change.