

**ACRA POINT OPENER (S32350)**  
The Acra Point opener is used on "Edge-on" shanks. This opener has a replaceable chrome tip (Eagle Beak). The Eagle Beak makes a "V" opening for minimal seed spread. Use this opener in most soil conditions and with either 8.9 cm (3 1/2 in) or 11.4 cm (4 1/2 in) packer wheels. This assembly allows the interchange of the Eagle Beak or cast sweep.

**8.9 cm (3 1/2 in) shovel (S32010)**  
A replaceable chrome tip for extended wear. The seed spread is 7.6 cm (3 in) with this opener. With the increased seed bed utilization, higher rates of nitrogen can be placed with the seed. Use this opener in most soil conditions with 8.9 cm (3 1/2 in) or 11.4 cm (4 1/2 in) packer wheels. This assembly allows the interchange of the Eagle Beak or cast sweep.

**HOE POINT OPENER (S30495)**  
The Hoe Point opener has a chrome tip for added wear. The Hoe Point opener has a seed spread of approximately 4 cm (1 5/8 in). Use this opener in all soil conditions and with either 8.9 cm (3 1/2 in) or 11.4 cm (4 1/2 in) packer wheels.

**"GUMBO BOOT" - Paired Row (S28158) "Edge-on" Shank**  
Replaceable chrome tip extends wear. The fertilizer is placed between and at an adjustable depth of 2 - 3.8 - 5.7 cm (3/4 - 1 1/2 - 2 1/4 in) below seed rows. The seed is placed in two rows 6.3 cm (2 1/2 in) apart with a seed spread of approximately 2.5 cm (1 in). Use with either 8.9 cm (3 1/2 in) or 11.4 cm (4 1/2 in) packer wheels.

**"GUMBO BOOT" - Side Band (S29000) "C" Shank**  
Fits shanks with 4.4 cm (1 3/4 in) or 5.7 cm (2 1/4 in) hole spacing. Features a replaceable chrome tip. Fertilizer is placed between and at an adjustable depth of 2 - 3.8 - 5.7 cm (3/4 - 1 1/2 - 2 1/4 in) below seed rows. Seed is placed in two rows 6.3 cm (2 1/2 in) apart (3 1/2 in) or 11.4 cm (4 1/2 in) packer wheels.

**"GUMBO BOOT" - Side Band (S29140) "C" Shank**  
Fits shanks with 4.4 cm (1 3/4 in) or 5.7 cm (2 1/4 in) hole spacing. Features a replaceable chrome tip. Fertilizer is placed 3 cm (1 1/4 in) to the side - at an adjustable depth of 2 - 3.8 - 5.7 cm (3/4 - 1 1/2 - 2 1/4 in) below the seed rows. Use with 8.9 cm (3 1/2 in) or 11.4 cm (4 1/2 in) packer wheels.



**8.9 cm (3 1/2 in) Packer Wheels**  
Morris offers a full range of durable rubber and steel packer wheels to give you the flexibility to operate in a variety of soil and moisture conditions. Rubber packer wheels are effective in heavy or sticky soil conditions, helping prevent soil build-up. On-row packing ensures excellent seed-to-soil contact for quicker, more uniform germination. Individual packer wheels and the use of narrow openers, reduces weed competition between the seed rows.

**11.4 cm (4 1/2 in) Packer Wheels**  
Narrow packer wheel gangs allow superior contouring. They feature a simple and very durable pivoting system for low maintenance and added life. Heavier packer tubes add to the durability. The packer wheels compliment a full range of Morris openers that you can incorporate in your seeding operations.

**SIDE PLATE KIT (S30927) - "C" Shank (S30928) - "Edge-on" Shank**  
Designed for existing Morris Gumbo Boots (S25962, S28158, S29000, S29140) & (S25962C, S28158C, S29000C, S29140C). The side plates will protect the sides of the openers in abrasive soil conditions, greatly extending the life of the opener body.

The application of NH3 or liquid fertilizer is available with Morris double shoot openers. Note: Safe levels of actual nitrogen will vary with soil conditions. Consult your local agronomist for recommended levels in your area.

For "Edge-on" shank openers a grommet insert provides a positive seal for the 1.27 cm (1/2 in) poly tube. On conventional "C" shank openers the poly tube inserts down the standard fertilizer tube providing a positive seal.

**Type of Farming Practiced**

Tillage	Min-Till	No-Till
Medium Soil Disturbance	Medium Soil Disturbance	Medium Soil Disturbance
Low Soil Disturbance	Low Soil Disturbance	Low Soil Disturbance
Ultra-Low Soil Disturbance	Ultra-Low Soil Disturbance	Ultra-Low Soil Disturbance

**Mud Scrapers**  
The mud scraper option eliminates build-up on packer wheels which may affect seeding depth and result in uneven germination. Mud scrapers are available for both steel and rubber packer wheels.

**Rock Deflectors**  
Maximize your machine's life with a solid rock deflector attachment, designed to prevent rock intervention and damage to the packer wheels.

**Maxim II & III Air Drills**

**Xpress™ Double Disc Air Drill**

**Never Pin™ Disc Air Drill**



Paired with the Morris EIGHT Series Air Cart, the Maxim III is triple shoot capable. Flat fan divider heads, with no 90-degree bends, provide an extremely low profile, gentle, accurate distribution system. Get more acres in, on time... all in one pass.



Choose variable rate metering as an alternative to mechanical drive metering. The Morris variable rate option is quick, responsive and accurate for on-the-go rate changes. You have a choice of two monitor systems - the CanLink 3000 system from FarmScan or the Morris system.

The CanLink 3000 is GPS ready with a wide variety of options to suit your needs - product application recording and full auto rate control (prescription seeding). All functions appear on one easy to read screen.



Fan speed, shaft rotation, bin levels, acres seeded and other critical data is at your fingertips with the easy to read Morris monitoring system.

Rate changes are instantaneous with the push of a button, giving you complete control of your seeding system.

Maxim III Air Drill Specifications and Options			
Base Size	3 Frame Models		5 Frame Models
	40' (12.19 m)	50' (15.24 m)	60' (18.29 m)
Weight (3 1/2" Steel Packers with C-Shank)			
- 7 1/2" Spacing	26,073 lb	32,825 lb	39,404 lb
- 19.0 cm Spacing	11,851 kg	14,920 kg	17,911 kg
- 10" Spacing	24,273 lb	30,524 lb	36,440 lb
- 25.4 cm Spacing	11,033 kg	13,875 kg	16,564 kg
- 12" Spacing	23,338 lb	29,047 lb	34,968 lb
- 30.5 cm Spacing	10,608 kg	13,203 kg	15,890 kg
Working Width			
- 7 1/2" (19.0 cm) Spacing	40' (12.19 m)	50' (15.24 m)	60' (18.29 m)
- 10" (25.4 cm) Spacing	40' (12.19 m)	50' (15.24 m)	60' (18.29 m)
- 12" (30.5 cm) Spacing	40' (12.19 m)	50' (15.85 m)	60' (18.29 m)
Number of Shanks			
- 7 1/2" (19.0 cm)	64	80	96
- 10" (25.4 cm)	48	60	72
- 12" (30.5 cm)	40	52	60
Frame Width			
- Main	15 1/2' (4.72 m)	15 1/2' (4.72 m)	15 1/2' (4.72 m)
- Inner Wing	12' (3.66 m)	9 1/2' (2.9 m)	12' (3.66 m)
- Outer Wing	-	6 1/2' (1.98 m)	10' (3.05 m)
Transport Position			
- Width	19' 10" (6.05 m)	19' 10" (6.05 m)	19' 10" (6.05 m)
- Height	17' 4" (5.28 m)	16' 2" (4.93 m)	17' 4" (5.28 m)
- Length	31' 6" (9.6 m)	31' 6" (9.6 m)	31' 6" (9.6 m)
Opener to Ground			
- Hoe Point	13 3/4" (35 cm)	13 3/4" (35 cm)	13 3/4" (35 cm)
- Double Shoot/Knife	9 1/2" (24 cm)	9 1/2" (24 cm)	9 1/2" (24 cm)
Tires			
- Main Frame Castor Wheel	(4) 12.5L x 15 FI Load Range F	(4) 12.5L x 15 FI Load Range F	(4) 12.5L x 15 FI Load Range F
- Inner Wing Frame Castor Wheel (2 per wing)	(4) 12.5SL x 15 8 Ply Rating	(4) 12.5SL x 15 8 Ply Rating	(4) 12.5SL x 15 8 Ply Rating
- Outer Wing Frame Castor Wheel (2 per wing)	N/A	(4) 12.5SL x 15 8 Ply Rating	(4) 12.5SL x 15 8 Ply Rating
- Main Frame Transport Wheels	(4) 12.5L x 15 FI Load Range F 8 Bolt Hub	(4) 12.5L x 15 FI Load Range F 8 Bolt Hub	(4) 12.5L x 15 FI Load Range F 8 Bolt Hub
Dual Castor Wheels on Wings	Standard	Standard	Standard
Number of Ranks	7 1/2" (19.0 cm) Spacing - 4 row "Z" Pattern 10" (25.4 cm) & 12" (30.5 cm) Spacing - 4 row "Z" Pattern		
Trip Mechanism Options	400 lb (180 kg) Spring Cushion Trip with 1 (2.54 cm) x 2" (5.1 cm) shank 550 lb (248 kg) Spring Cushion Trip with 1 (2.54 cm) x 2" (5.1 cm) shank		
Shank Options	Forged Edge-On Conventional "C" Shank (1 3/4" (4.4 cm) hole spacing) (47 Degree tillage tools)		
Packer Wheel Options	3 1/2" (8.9 cm) Steel or Rubber - (7 1/2" (19.0 cm), 10" (25.4 cm) & 12" (30.5 cm) Spacing) 4 1/2" (11.4 cm) Steel or Rubber - (10" (25.4 cm) & 12" (30.5 cm) Spacing ONLY)		
Frame to Opener	Vertical Clearance - 27 1/2" with Regular Hoe Point - 30 1/2" with Double Shoot/Knife Openers		
Rank to Rank Spacing	23 1/2", 23 1/2", 27 1/2"		
Shank to Shank Spacing	30" (76.2 cm) on 7 1/2" (19.0 cm) Spacing, 40" (101.6 cm) on 10" (25.4 cm) Spacing, 48" (122 cm) on 12" (30.5 cm) Spacing		
Frame Depth	78 1/2" (1.99 m) (4 ranks)		
Harrow	Optional		
Coulters - Fertilizer (Plain)	Optional - Front Row Mount on Row Centers - (20" (50.8 cm) Diameter) (Not available on 60ft - 7 1/2" spacing)		
Packer Mud Scrapers	Optional (For both Steel and Rubber Packers)		
Rock Deflectors	Optional (7 1/2" (19.0 cm), 10" (25.4 cm) & 12" (30.5 cm) Spacing)		
Safety Lights	Standard		
Safety Chain	Standard		



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The policy of MORRIS INDUSTRIES LTD. is one of continuing improvement; therefore, the company reserves the right to change specifications without notice.



**MAXIM III**  
Precision Air Drills



New enhanced frame members on the Maxim III easily handle up to 18 m (60 ft) of air drill loaded with fertilizer coulters and all the other options you require for today's one pass seeding. For added durability, the center frame has no wear points. The patented frame coupling on the wings let each wing section float freely to maximize flexibility and contourability. The Maxim III is available as a three or five frame unit.



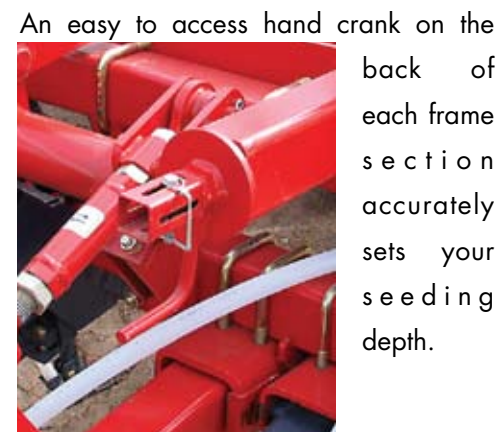
Dual casters on the front gauge wheels ensure a smooth, even ride.



**Expect More! Morris delivers more dependability with the new Maxim III.** Rely on the Maxim III to provide the flexibility, coverage and options you need to quickly and efficiently seed, fertilize and pack... all in one pass.



The Maxim III Air Drill is very easy to level... simply adjust the turnbuckles to level front-to-back and side-to-side... level it and it stays put.



An easy to access hand crank on the back of each frame section accurately sets your seeding depth.

Depth control is easy to adjust.



**Morris has manufactured the first true front row fertilizer coulters design on the Maxim III.**

Placing all the fertilizer coulters up front to run on undisturbed soil gives you optimum trash clearance and reliable, precise fertilizer placement.

Center place higher rates of fertilizer between the seed rows. Fertilizer depth is adjustable up to 8.9 cm (3 1/2 in) deep. Apply liquid, granular, or NH3 in a tight band where it is needed most.

Morris' unique scraper, with carbide option, allows for longer life in abrasive soils.



Morris coulters feature two cleaning options: a tyne for wetter field conditions and a rubber wheel for dryer ground.



Fertilizer depth is controlled by the soil retaining wheel and a simple ratchet assembly for precise incremental adjustment.



The Angle Disc Fertilizer Coulters are easy to access for adjustment, positioning and service. The coulters can be quickly and easily locked up when not required.

## Maximum strength, maximum flexibility

# Maxim III - cover more acres in one pass... on time

You will gain stability and save time when transporting the new Maxim III Air Drill. Over-center wings eliminate the use of wing locks making fold-up quick and compact. Transport wheels lock into place automatically. Transport pins can be manually installed for added safety.



Low profile distribution on the five frame Maxim III allows for a tight, compact transport.

New 550 lb Trip makes its debut. After millions of acres, the Morris Spring Cushion Trip has proven its durability. The 160 kg (400 lb) and now 250 kg (550 lb) trip assemblies can take the punishment of your toughest fields. Standard 2.54 cm (1 inch) shanks are available as a "C" shank or "Edge-on" to match your trash and opener requirements.



Only Morris' trip reduces pressure as it lifts higher minimizing stress on shanks, trip components and the frame.



Morris 250 kg (550 lb) trip features a 2.54 cm (1 inch) shank for extra durability.



Morris trips are available with traditional "C" shanks and "edge-on" shanks

