



On row packing provides excellent seed to soil contact. Rubber packer wheels are effective in minimizing soil build-up.



Packer wheel options: a 4.80 x 16 semi-pneumatic and pneumatic, a 5.50 x 16 semi-pneumatic and a 4.00 x 16 "V" Crown.



Twin guards are standard on all models to protect the hub bearings from mud and debris.

Narrow Transport Contour Drill Specifications and Options			
Base Size	25' (7.62 m)	31' (9.45 m)	
Weight	- 10" Spacing	14,738 lb	16,025 lb
	25.4 cm Spacing	6,685 kg	7,269 kg
	- 12" Spacing	13,933 lb	15,155 lb
Working Width	30.5 cm Spacing	6,320 kg	6,874 kg
	- 10" (25.4 cm) Spacing	25' (7.62 m)	30' (9.14 m)
Number of Shanks	- 12" (30.5 cm) Spacing	25' (7.62 m)	31' (9.45 m)
	- 10" (25.4 cm) Spacing	30	36
Frame Extensions	- 12" (30.5 cm) Spacing	25	31
	- 2 Ft (61 cm)	1 (12" spacing only)	1
Frame Width	- Main	5' (1.524 m)	5' (1.524 m)
	- Wing	10' (3.048 m)	13' (3.962 m)
Transport Position	- Width	9' 10" (3 m)	9' 10" (3 m)
	- Height	13' 6" (4.12 m)	15' 11" (4.851 m)
	- Length	31' 6" (9.6 m)	31' 6" (9.6 m)
Opener to Ground Clearance	12" (30.5 cm)	12" (30.5 cm)	
Tires	- Main Frame Wheels	(4) 12.5L x 15 FI Load Range F	(4) 12.5L x 15 FI Load Range F
	- Wing Frame Front Castor Wheels (1 per wing)	(2) 12.5SL x 15 8 Ply Rating	(2) 12.5SL x 15 8 Ply Rating
	- Wing Frame Rear Wheels (1 per wing)	(2) 12.5SL x 15 8 Ply Rating	(2) 12.5SL x 15 8 Ply Rating
	Opener	- Trip Out Force	Increases proportionally with Packing Force to a maximum of 600 lbs (272 kg)
	- Packing Force	Adjustable from 70 lbs to 170 lbs (31.7 kg - 77.1 kg)	
	- Packer Wheel	4.80" x 16" Semi-Pneumatic or Pneumatic 5.50" x 16" Semi-Pneumatic	
Frame to Ground Clearance	32" (81 cm)		
Frame Depth	94" (238.8 cm) center to center		
Rank to Rank Spacing	47" (119.4 cm) center to center		
Number of Ranks	3 Rows		
Shank to Shank Spacing	30" (76.2 cm) on 10" (25.4 cm) Spacing		
	36" (91.4 cm) on 12" (30.5 cm) Spacing		
Weight Kit	Optional		
Safety Lights	Standard		
Safety Chain	Standard		

Specifications are estimates and subject to change.



On larger farms, the Narrow Transport Contour Drill makes an ideal addition to your existing drill line for precision planting of your oilseeds.

Narrow Transport[®]

Contour Drill



*Independent Opener Drill
Folds very narrow for safe, efficient
transport and off-season storage.
Ideal for tractors in the 200
horsepower range.*

The **Narrow Transport Contour Drill** folds to a very slim three meters for safe, efficient road transport and off-season storage. This independent opener drill is ideal for smaller acreage farms looking to upgrade to a minimum-till precision seed placement drill. It is an ideal size for front wheel assist tractors in the 200 horsepower range.

The independent contour opener with TRUE parallelogram linkage maintains a constant opener angle relative to the soil and constant opener depth in relation to the packer wheel throughout its range of travel (Opener contour range is 25.4cm [10"] above ground level to 17.8cm [7"] below ground level). This provides consistent ground penetration and constant seeding depth control over changing field terrain resulting in quick, even germination.

The single shank design has lower draft requirements than most double-shoot air hoe drills and disc drills. Less horsepower equals significant fuel savings. Opener spacing options are 25.4 cm (10") and 30.5 cm (12").



Pressure is maintained on the opener cylinders through a passive hydraulic system that uses a hydraulic accumulator. This unique hydraulic accumulator system acts as a hydraulic cushion for the trips, and being a passive system, it greatly reduces the demand on the tractor hydraulics compared to the continuous flow required by similar drills. By adding or subtracting oil from the accumulator circuit, through a tractor remote, pressure in the accumulator system can be raised or lowered, which provides a corresponding increase or decrease in trip out force and packing pressure.

Trip out force can be adjusted from 45.3 kg (100 lbs) to 272 kg (600 lbs), the opener packing force increases proportionally from 31.7 kg (70 lbs) to a maximum of 77.1 kg (170 lbs).



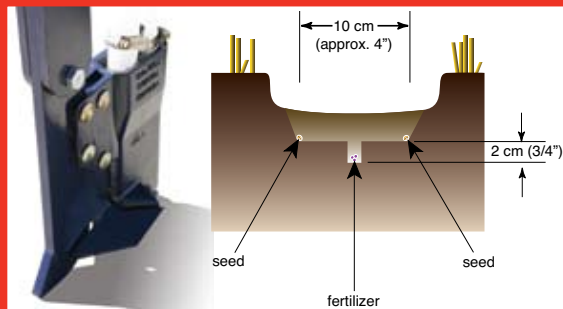
A double acting hydraulic cylinder raises and lowers the opener from working to transport position.

Initial trip out pressure and packing pressure is dialed in and locked on the drill.

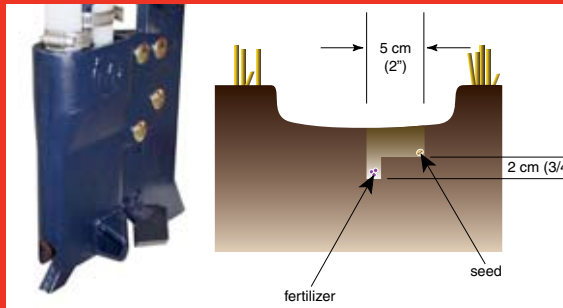
Once set, pressure can be adjusted from the tractor cab on a convenient digital display.

Narrow Transport Contour Drill Openers

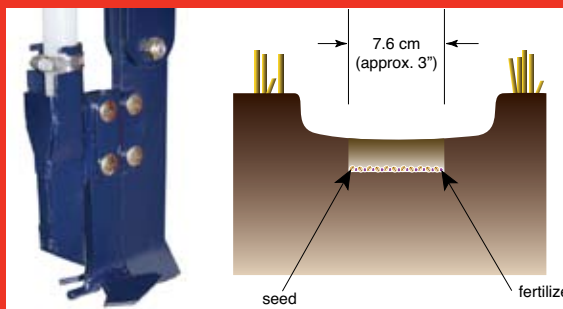
Optimal seed depth ranges from 1.27cm (1/2") to 5.08 cm (2") in 0.6 cm (1/4") increments.



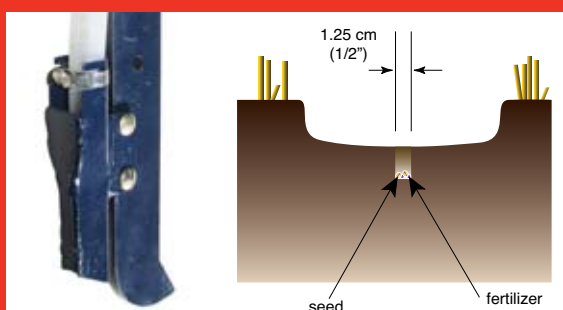
The **paired row double shoot opener** places 2 distinct rows of seed 10 cm (4") apart. Seed is first placed in two distinct rows 5 cm (2") to each side of the knife followed by a fertilizer band that is placed directly behind the knife and 2 cm (3/4") below the seedbed. This patented design results in outstanding fertilizer - seed separation and improved seed bed consistency through minimizing soil fracturing.



The **side band double shoot opener** first places a distinct seed row 5 cm (2") to the side of the knife followed by a fertilizer band which is placed directly behind the knife and 2 cm (3/4") below the seedbed. This patented design results in outstanding fertilizer - seed separation and improved seed bed consistency by minimizing soil fracturing.



The **spread tip single shoot opener** places a 7.6 cm (3") wide ribbon of seed in each seed row. This opener cuts a smooth level seedbed resulting in very consistent seed placement and has been designed to minimize soil disturbance. The spread tip opener, with its high seed bed utilization is an excellent choice for farmers who apply low to moderate fertilizer rates with the seed.



The **narrow knife single shoot opener** is a single shoot opener that places a narrow 1.25 cm (1/2") ribbon of seed in each seed row. This opener cuts a smooth narrow channel for seed to be placed, and has the lowest soil disturbance of the openers available on the Morris Contour Drill. This opener has proven to be a popular choice with growers with sticky, high clay content soils.



The Morris paired row opener allows more efficient use of your land by providing better seed bed utilization - on 25.4 cm (10") spacing the distance between rows is approximately 15.2 cm (6") and on 30.5 cm (12") spacing the distance is approximately 20.3 cm (8"). And, the paired row ensures an excellent stand for swathing.



Narrow transport width for transport safety and convenient storage.