

MORRIS

C2
CONTOUR



**INDEPENDENT
OPENER**

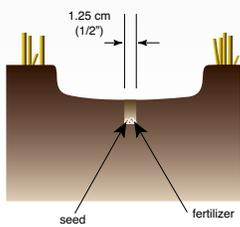
morris-industries.com



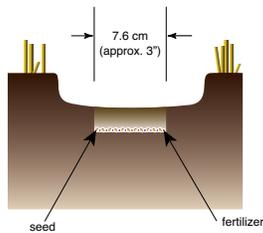
The C2 Contour – Ready, Set, Grow

The C2 Contour independent opener features parallel linkage and easy opener adjustments for ultra-precise seed and fertilizer placement. Adjustable packing pressure lets you pull through damp spots. Opener spacing options are 10” and 12”.

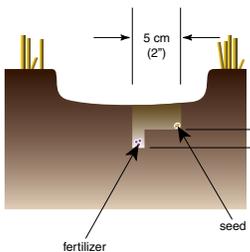
At the heart of the C2 Contour’s improved ability to shed trash is the design of the single shank. The reclined 12-degree angle moves trash up and off the shank faster. The distance from the ground level to the catch point has been increased to 21 inches on the C2 Contour, greatly reducing the potential for straw bunching.



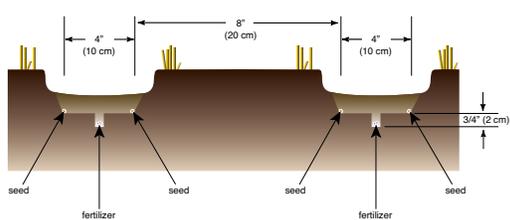
The **narrow knife single-shoot opener** is a single-shoot opener that places a narrow 1/2” (1.25 cm) ribbon of seed in each seed row. This opener cuts a smooth narrow channel for seed to be placed, and has the lowest soil disturbance of the openers available. This opener has proven to be a popular choice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



The **spread tip single-shoot opener** places a 3” (7.6 cm) 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 **side band double-shoot opener** first places a distinct seed row 2” (5 cm) to the side of the knife followed by a fertilizer band which is placed directly behind the knife and 3/4” (2 cm) below the seedbed. This patented design results in outstanding fertilizer - seed separation and improved seed bed consistency by minimizing soil fracturing.



The **patented paired row double-shoot opener** places two distinct rows of seeds 4” (10 cm) apart with fertilizer placed centrally and 3/4” (2 cm) below the seed rows. The 12” (30 cm) shank spacing, paired row opener combination provides an 8” (20 cm) seed row spacing. Narrow row spacing closes the crop canopy more rapidly setting the stage for improved sunlight capture, water use efficiency and crop competition. Angled carbide faces on the opener minimizes soil fracturing for excellent seed bed consistency and outstanding seed to fertilizer separation. Available only on 12” spacing.

The C2 Contour IP opener system is designed to improve opener wear and durability.



Wear life – 32% increase in the tungsten carbide applied to the highest wear regions of the opener.

Reduced opener length – Smaller surface area for soil build-up and reduced force requirements for penetration.

Improved soil flow – The low friction properties and narrow profile of the polymer boot minimizes the opener travelling through the soil.

Reduced build-up inside openers – the polymer reduces build-up of fertilizer and seed treatment dust inside openers in high humidity.



The polymer opener system is designed to apply granular, liquid or gas.

A special hose holder is used with the polymer openers to secure secondary hoses.

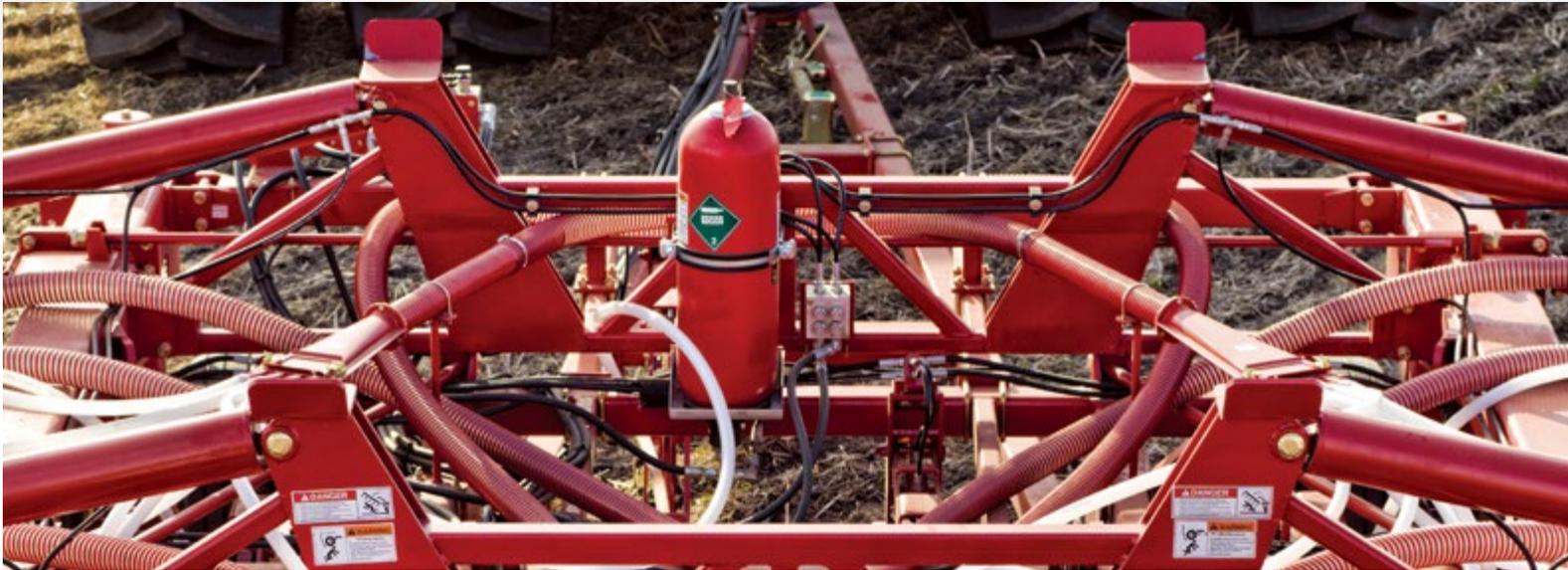




The C2 Contour opener cam is higher and away from the ground so opener adjustments are much easier to make. The notched cam-and-pin system is at 1/4 inch intervals. Rotate the cam by hand and insert the pin to lock in the desired seeding depth.



The true one-to-one parallel linkage maintains a constant opener angle relative to the soil and constant opener depth relative to the packer wheel throughout its 17-inch range of travel. The opener can contour up 10 inches and down 7 inches.



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, 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 300 lbs to 700 lbs @ 1200 psi, the opener packing force increases proportionally from 80 lbs to a maximum of 200 lbs.



A hydraulic valve manifold providing all operator adjustments is conveniently located on the front bar of the drill.



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



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



Packer wheel options: 5.50" x 16" Semi-Pneumatic, 4.80" x 16" Pneumatic, 4.80" x 16" Semi-Pneumatic, 4.50" x 16" Semi-Pneumatic Otico tire, 5.50" x 16" Semi-Pneumatic Otico tire and 4.00" x 16" "V" Crown.

C2 CONTOUR DRILL Specifications and Options



Optional mud guards reduce soil build-up on double-shoot openers. Optional air hose grommets for double-shoot openers prevent straw and debris from falling into the top of the opener ports.



An enclosed shield and seal protects the hub bearings from mud and debris.

Base Size	3 Frame Models		5 Frame Models	
	25' (7.62 m)	31' (9.45 m)	80' (24.38 m)	90' (27.43 m)
Weight	- 10" Spacing 25.40 cm Spacing	14,738 lb 6,685 kg	16,025 lb 7,269 kg	NA NA
	- 12" Spacing 30.48 cm Spacing	13,933 lb 6,320 kg	15,155 lb 6,874 kg	38,140 lb 17,300 kg
Working Width	- 10" (25.40 cm) Spacing	25' (7.62 m)	30' (9.14 m)	NA
	- 12" (30.48 cm) Spacing	25' (7.62 m)	31' (9.45 m)	80' (24.38 m)
Number of Shanks	- 10" (25.40 cm) Spacing	30	36	NA
	- 12" (30.48 cm) Spacing	25	31	80
Frame Width	- Main	5' (1.52 m)	5' (1.52 m)	21' (6.40 m)
	- Wing Inner	10' (3.05 m)	13' (3.96 m)	15' (4.57 m)
	- Wing Outer	N/A	N/A	14.45 (4.40 m)
Transport Position	- Width	9' 10" (3.00 m)	9' 10" (3.00 m)	25' (7.62 m)
	- Height	13' 9" (4.19 m)	16' 2" (4.93 m)	18' 1" (5.51 m)
	- Length	31' 6" (9.60 m)	31' 6" (9.60 m)	34' 10" (10.62 m)
Tires	- Main Frame Wheels	(4) 12.5Lx15 FI Load Range F	(4) 12.5Lx15 FI Load Range F	(8) 16.5x16.1 FI Load Range E
	- Wing Frame Front Castor Wheels	Single Castor (2) 12.5SLx15 12 Ply Rating	Single Castor (2) 12.5SLx15 12 Ply Rating	Dual Castor (8) 12.5SLx15 12 Ply Rating
	- Wing Frame Rear Wheels	(1 per wing) (2) 12.5SLx15 12 Ply Rating	(1 per wing) (2) 12.5SLx15 12 Ply Rating	(2 per wing) (8) 12.5SLx15 12 Ply Rating
	- Optional Main Frame Wheels	NA	NA	NA
Opener	- Trip Out Force	Minimum 300 lbs (136 kg) at 450 psi (3102 kPa) to Maximum 700 lbs (317 kg) at 1200 psi (8274 kPa)		
	- Packing Force	80 lbs to 200 lbs (36 kg - 91 kg)		
	- Packer Wheel	4.50" x 16" Semi Pneumatic Otico tire 4.80" x 16" Semi Pneumatic or Pneumatic 5.50" x 16" Semi Pneumatic Otico tire 5.50" x 16" Semi-Pneumatic 4.00" x 16" "V" Crown		
Opener to Ground Clearance	12" (30.48 cm)			
Frame to Ground Clearance	32" (81.28 cm)			
Frame Depth	94" (238.76 cm) center to center			
Rank to Rank Spacing	47" (119.38 cm) center to center			
Number of Ranks	3 Rows			
Shank to Shank Spacing	30" (76.20 cm) on 10" (25.40 cm) Spacing 36" (91.44 cm) on 12" (30.48 cm) Spacing			
Weight Kit	Optional			
Safety Lights	Standard			
Hitch Clevis	Standard - Category 4		Optional - Category 5	
Safety Chain	Standard			

Specifications are estimates and subject to change.



Narrow transport models in 25 feet and 31 feet widths. This is an ideal option for front wheel assist tractors in the 200 horsepower range.