

## Morris C2 Contour Drill Specifications and Options

Base Size	3 Frame Models				5 Frame Models					
	25' (7.62 m)	31' (9.45 m)	41' (12.5 m)	51' (15.54 m)	61' (18.59 m)	71' (21.64 m)	80' (24.38 m)	86' (26.21 m)	90' (27.43 m)	
Weight	- 10" Spacing 25.4 cm Spacing	14,738 lb 6,685 kg	16,025 lb 7,269 kg	20,928 lb 9,470 kg	24,622 lb 11,168 kg	31,392 lb 14,239 kg	35,441 lb 16,109kg	NA NA	NA NA	NA NA
	- 12" Spacing 30.5 cm Spacing	13,933 lb 6,320 kg	15,155 lb 6,874 kg	19,572 lb 8,856 kg	23,137 lb 10,495 kg	29,358 lb 13,317 kg	33,264 lb 15,120 kg	38,140 lb 17,300 kg	41,000 lb 18,600 kg	43,000 lb 19,505 kg
Working Width	- 10" (25.4 cm) Spacing	25' (7.62m)	30' (9.14m)	41.67' (12.7m)	50' (15.24m)	60' (18.29m)	70' (21.34m)	NA	NA	NA
	- 12" (30.5 cm) Spacing	25' (7.62m)	31' (9.45m)	41' (12.5m)	51' (15.54m)	61' (18.59m)	71' (21.64m)	80' (24.38m)	86' (26.21 m)	90' (27.43 m)
Number of Shanks	- 10" (25.4 cm) Spacing	30	36	50	60	72	84	NA	NA	NA
	- 12" (30.5 cm) Spacing	25	31	41	51	61	71	80	86	90
Frame Width	- Main	5' (1.524m)	5' (1.524m)	16' (4.88m)	16' (4.88m)	16' (4.88m)	16' (4.88m)	21' ( 6.40m)	21' ( 6.40m)	21' ( 6.40m)
	- Wing Inner	10' (3.048m)	13' (3.962m)	12' (3.66m)	17.5' (5.334m)	12' (3.66m)	15' (4.57m)	15' (4.57m)	15' (4.57m)	15' (4.57m)
	- Wing Outer	N/A	N/A	N/A	N/A	10' (3.05m)	12' (3.66m)	14.45 (4.4m)	17.75' (5.41m)	18.92' (5.77m)
Transport Position	- Width	9' 10" (3m)	9' 10" (3m)	20' 6" (6.25m)	20' 6" (6.25m)	20' 6" (6.25m)	20' 6" (6.25m)	25' (7.62m)	25' (7.62m)	25' (7.62m)
	- Height	13' 6" (4.12m)	15' 11" (4.85m)	15' 2" (4.62m)	15' 2" (4.62m)	15' 2" (4.62m)	17' 10" (5.44m)	17' 10" (5.44m)	17' 10" (5.44m)	17' 10" (5.44m)
	- Length	31' 6" (9.6m)	31' 6" (9.6m)	31' 6" (9.6m)	31' 6" (9.6m)	34' 10" (10.62m)	34' 10" (10.62m)	34' 10" (10.62m)	34' 10" (10.62m)	34' 10" (10.62m)
Tires	- Main Frame Wheels	(4) 12.5Lx15 FI Load Range F	(4) 12.5Lx15 FI Load Range F	(8) 11Lx15 FI Load Range F	(8) 11Lx15 FI Load Range F	(8) 12.5L x15 FI Load Range F	(8) 12.5Lx15 FI Load Range F	(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	Single Castor (2) 12.5SLx15 12 Ply Rating	Single Castor (2) 12.5SLx15 12 Ply Rating	Dual Castor (4) 11SLx15 12 Ply Rating	Dual Castor (4) 11SLx15 12 Ply Rating	Dual Castor (8) 12.5SLx15 12 Ply Rating	Dual Castor (8) 12.5SLx15 12 Ply Rating	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	(1 per wing) (2) 12.5SLx15 12 Ply Rating	(1 per wing) (2) 12.5SLx15 12 Ply Rating	(1 per wing) (2) 11SLx15 12 Ply Rating	(1 per wing) (2) 11SLx15 12 Ply Rating	(1 per wing) (4) 12.5SLx15 12 Ply Rating	(1 per wing) (4) 12.5SLx15 12 Ply Rating	(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
	- Optional Main Frame Wheels	NA	NA	NA	NA	(8) 16.5x16.1 FI Load Range E	(8) 16.5x16.1 FI Load Range E	NA	NA	NA
Opener	- Trip Out Force	Minimum 300 lbs 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" (30.5 cm)									
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									
Hitch Clevis	Standard - Category 4      Optional - Category 5									
Safety Chain	Standard									

Specifications are estimates and subject to change.



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.



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.

# C2 CONTOUR Independent Opener Drill





## The C2 Contour sheds trash like never before

The next generation C2 Contour lets you cut through trash and makes opener adjustments easier. The independent opener features parallel linkage for ultra-precise seed and fertilizer placement. Adjustable packing pressure lets you pull through damp spots. Opener spacing options are 10" and 12".

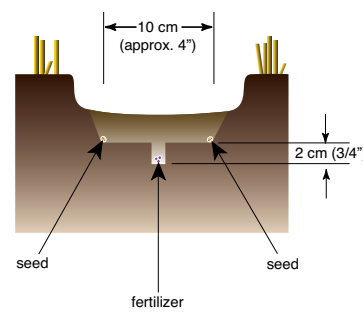
At the heart of the C2 Contour's improved ability to shed trash is the design of the single shank. The reclined 12-degree angle moves trash up and off the shank faster. The distance from the ground level to the catch point has been increased to 21 inches on the C2 Contour, greatly reducing the potential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



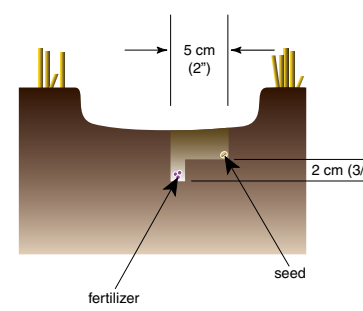
The C2 Contour opener cam is higher and away from the ground so opener adjustments are much easier to make. The notched cam-and-pin system is at 1/4 inch intervals. Rotate the cam by hand and insert the pin to lock in the desired seeding depth.



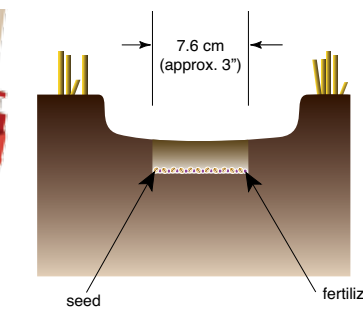
The true one-to-one parallel linkage maintains a constant opener angle relative to the soil and constant opener depth relative to the packer wheel throughout its 17-inch range of travel. The opener can contour up 10 inches and down 7 inches.



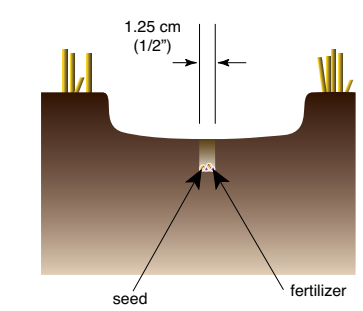
The **paired row double shoot opener** places 2 distinct rows of seed 10 cm (4") apart. Seed is first placed in two distinct rows 5 cm (2") to each side of the knife followed by a fertilizer band that is placed directly behind the knife and 2 cm (3/4") below the seedbed. This patented design results 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. This opener has proven to be a popular choice with growers with sticky, high clay content soils.

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 adjusted 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.