



6m & 9m NO-TILL AIR DRILLS

The second generation Spartan has been evolved to further increase durability and ease of use. Hydraulic metering allows push-button calibration and on-the-go rate adjustment. The Spartan is in a class of it's own when it comes to working in undulating ground thanks to the unique implement mounting and hydraulic weight transfer system.



6m & 9m NO-TILL AIR DRILL MODELS

6m & 9m No-Till Air Drills	Working Width	Transport Width	Transport Height	Engine H.P. Required	Row Spacing	Weight (kg)
NTA607-2	6m	3m	3.96m	170+	6", 7.5"	10,200-15,800
NTA907-2	9m	3m	3.96m	250+	6", 7.5"	15,330-21,500

See www.greatplainsag.com for complete specifications.



ADDITIONAL STANDARD FEATURES

- Cat. 3 or 4 hitch
- 2 x 2,885 litre hoppers (NTA607-2)
- 2 x 3,500 litre hoppers (NTA907-2)
- Double-shoot as standard
- Blockage monitors
- Hydraulic weight transfer
- 3-section, vertical folding, pull-type
- High-flotation tires
- Variable-rate hydraulic drive
- Weight kits
- Half-width shutoff (NTA607-2 only)
- Push-button seed calibration
- LED safety lighting

*only available by ordering through Parts

OPTIONS

(see website for complete list of features & options)



PRESS WHEEL SCRAPERS W/O HARROW



GAUGE WHEEL SCRAPER



ROW MARKERS



HYD. OR MANUAL AUGER (NTA907-2)

FEATURES & BENEFITS

COULTER-ASSISTED OPENER SYSTEM

This system splits no-till seeding into two operations: penetration and seed placement. Preloaded at 204kgs, frame-mounted coulters get the job done by working at the desired depth to ensure optimum seed placement for a uniform stand. Increase coulters depth to penetrate hard, dry soils, or reduce coulters depth in soft conditions. This allows the 07 Series double-disc openers to properly place the seed. Seeding depth is set by the 18-position T-handle at the rear of the opener. Coulters choices include ¾" wavy, 5/8" Turbo, or a 5/16" fluted blade, no coulters, if desired.



UNIFORM SEED DISTRIBUTION

A single fan supplies air to a divided manifold where the star-wheel meters drop the seed into the airflow of each tower. The towers use a transition cone to uniformly divide the seed to individual rows. Full-length seed tubes complete the process, delivering seed to the bottom of the trench.

INTEGRAL BIN & IMPLEMENT

The integrated cart-to-implement design offers exceptional maneuverability when backing into a storage shed or the corners of a field. Active hydraulic weight transfer maintains even, consistent penetration across the entire width of the implement.



HYDRAULIC METERING DRIVE

Hydraulic drive metering allows push-button calibration and on-the-go rate adjustment.



NARROW TRANSPORT WIDTH

These highly productive air drills fold to under 10' wide for easy transport along roadways and between fields.



ROW SPACING CHOICES

Choose either 6" or 7.5" row spacing with the ability to manually shut off individual rows

SPARTAN COMPONENTS

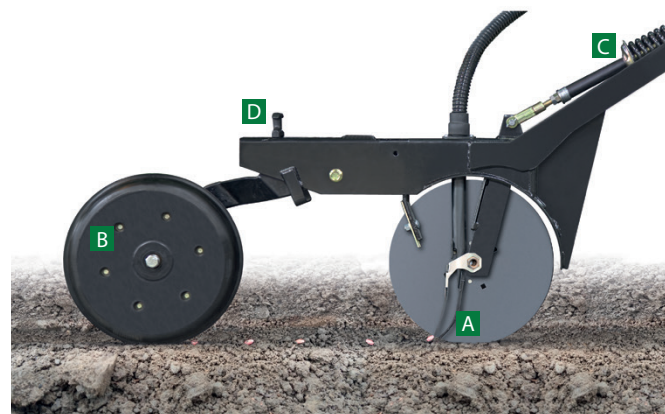
07 SERIES OPENERS | COULTERS | CLOSING WHEELS

Every Great Plains opener has been computer-designed, CNC machined, laser cut, and robotically welded to ensure exact tolerances and excellent reliability. Materials and components are selected for their strength and durability. For example, nut bars and depth-wheel arms are in forged steel. Areas subject to stress, such as pivot points, are reinforced with protective, hard-wearing bushes. Secondary bushes are manufactured in Nylatron, a material with high mechanical strength and excellent wear and fatigue resistance.

Designed to take the toughest no-till conditions in stride, 07 Series openers feature an integrally mounted 432mm coulters and row unit combination with the opener moving independently of the coulter. The trailing double-disc opener features 330mm x 4mm blades, 205 triple-lip seal bearings, and a 6.5mm leading opener blade.



CONSISTENT, PRECISE SEED PLACEMENT IN ALL CONDITIONS



- A. The unique planter-style seed tube carries seed all the way to the bottom of the slot formed by the double-disc opener. This design creates an ideal growing environment by eliminating seed bounce and ensuring that every seed is placed precisely and consistently at the same depth in the bottom of the seed trench.
- B. The close-coupled press wheel serves two purposes. First, it provides depth control and second, it firms the soil around the seed slot. This facilitates perfect soil-to-seed contact to ensure consistent seed germination and even emergence, which are vitally important if pre-emergence spraying is necessary.
- C. Connecting the spring directly to the forged nut bar provides between 30 and 110kg of constant down pressure applied directly over the center of the disc, where it matters most. As a result, the opener arm remains parallel to the soil at all times. This ensures that the double-disc opener is presented to the soil at the optimum angle, which reduces smearing and soil movement. Down pressure exerted over the coulters is between 180 and 250kg.
- D. The Spartan® range has individual opener depth control from 6mm to 102mm. Adjustments are made quickly and easily with a simple T-handle, allowing each coulter to be set to suit soil conditions. Up to 18 settings are available to guarantee superb seed depth control.



The Turbo Blade is exclusive to Great Plains' vertical tillage and seeding products. Its uniquely patented fluted design increases its ability to penetrate, improving its cutting performance. The 432mm-diameter blade enters the soil vertically where its flutes perfectly cultivate into the residue. As the flutes exit the soil horizontally, the cultivated soil is discharged behind, leaving a mini-seedbed for the opener to utilize. Ideal for use on reduced tillage and no-till systems, this blade is also a great option for seeding into cover crops or heavy residue, or anywhere minimal disturbance is required.



This 51mm x 330mm single press wheel design presses soil directly over the seed, aggressively firming the soil surrounding the seed at the precise depth selected.



This 76mm x 330mm center rib press wheel is designed to firmly press the soil directly over the seed with the center rib of the wheel, creasing the soil. This crease allows the crust to crack open for even seed emergence.

ZONAL CULTIVATION & SEEDING



“Zonal Cultivation and Seeding” is a unique concept proven across the Great Plains no-till drill line, including the Spartan[®].

Ultimately, the performance of any drill is measured by the accuracy with which it places the seed and the consistency of emergence that is achieved as a result. It’s a key area and is one in which Great Plains’ design and engineering team excels.

Ongoing product development over many years has led to a number of important yield-improving advances that have become standard features in many Great Plains drills and are making a real difference for growers around the world. One such innovation is a unique zonal cultivation and seeding system, at the heart of which are Great Plains patented Turbo Coulter discs.

This technology ensures that every seed is placed at the optimum depth in an ideal environment to facilitate consistently even germination. This is an integral part of the widely acclaimed and highly successful no-till drill range from Great Plains



This picture shows seed placement and minimal disturbance of soil ahead of trench closure by the press wheel.



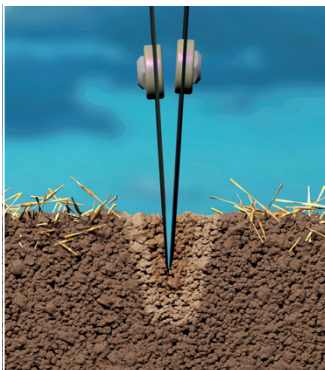
The drills work on pre-cultivated land, no-till systems, and cover crops.



The Turbo Coulter precisely cultivates zonally, creating the ideal environment for the double-disc opener to place seed.



The ground is worked vertically with straight blades in a 10-50mm strip of soil.



The flutes of the Turbo Coulter clear crop residue away from the seeding zone so the double-disc opener can precisely place the seed.



The press wheel firms the soil around the seed, optimizing seed-to-soil contact. This creates the ideal situation for germination and leads to consistent emergence.



The cultivated area is darker and warms faster than the uncultivated area.



By rooting into coultured soil, this proven system creates the ideal conditions for healthy growth and high yields.