

3310 PARALINK™ HOE DRILL

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There are many reasons why the Bourgault 3310 PHD™ has become the most popular independent hoe drill in North America. Bourgault has applied many years of experience to the development of this practical, durable, and effective seeding system to achieve the most consistent seed placement in the widest range of seeding conditions.





SUPERIOR RESIDUE CLEARANCE

Many farmers feel that they are forced to adopt a wider row spacing to avoid uneven emergence caused by residue bunching. Paralink™ hoe drill owners comment about the outstanding residue clearance they experience at seeding. Features such as a seed-only opener on each shank, optimal seed opener to packer distance, edge-on shank design, and residue cutting MRB® coulters provide excellent trash flow in challenging conditions without having the compromise of a wider row spacing.



CONVENIENT HYDRAULIC CONTROL

You have full electric-over-hydraulic control of packing force from the tractor seat, from as low as 70 lb to an excess of 200 lb. One click of the pressure control toggle will adjust the hydraulic pressure by about 50 p.s.i. system pressure. This translates to about 7 lb of packing force and 20 lb of trip force.

The hydraulic arrangement has been designed with integrated line locks and may be configured to operate the banding coulters and seeding shanks either together, or independently.



CONSISTENT SEED DEPTH

The Paralink™ arm is designed to achieve a balance between independent contouring ability and stable opener operation. The 2-to-1 contour ratio of the Paralink™ arm will provide good land-following characteristics, yet not be over-sensitive to last season's seed runs or soil lumps. Get your seeding job done right seeding with, or across last year's furrows, while maintaining a very productive operating speed and obtaining excellent seed placement.

EQUIPMENT-FRIENDLY FIELD FINISH

Don't beat your equipment (*or your back*) up! The Bourgault 3310 PHD™ provides the best field finish in the independent depth hoe drill market. A smoother field finish means less bouncing in the sprayer or the combine and allows you to get every bushel off short or lodged crops more easily.

THE ABILITY TO PENETRATE

The 3310 PHD™ can penetrate soil conditions that the competitors only ride over! The same 2-to-1 contour ratio that stabilizes the PHD™ opener performance also allows up to two times the packing force to be available for penetration. That is over 400 lb of opener force! The durable frame construction and inner-wing down pressure feature ensures forces are transferred from the mainframe to the inner wing. Weight is added to the outer wings to ensure uniform penetration through the entire width of the drill.



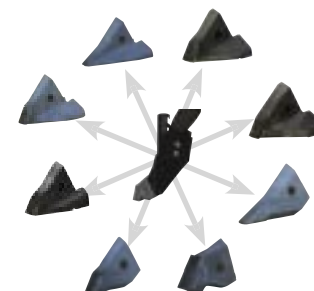
EFFECTIVE SEEDING SPEEDS

It is critical to not sacrifice your seedbed integrity by going too fast. It is also important for you to make the best use of a typically short seeding window. The 3310 PHD™ helps you get the best of both worlds by incorporating specific design parameters that allow you to maintain seedbed integrity at superior seeding speeds for the given conditions. Expect a greater degree of productivity with the 3310 than any other independent hoe drill.

CHOICE OF SEED KNIVES

The Paralink™ design guarantees consistent seed knife angle relative to the ground, regardless of its position. This allows you to select the seed knife or tip that works best for your farming operation.

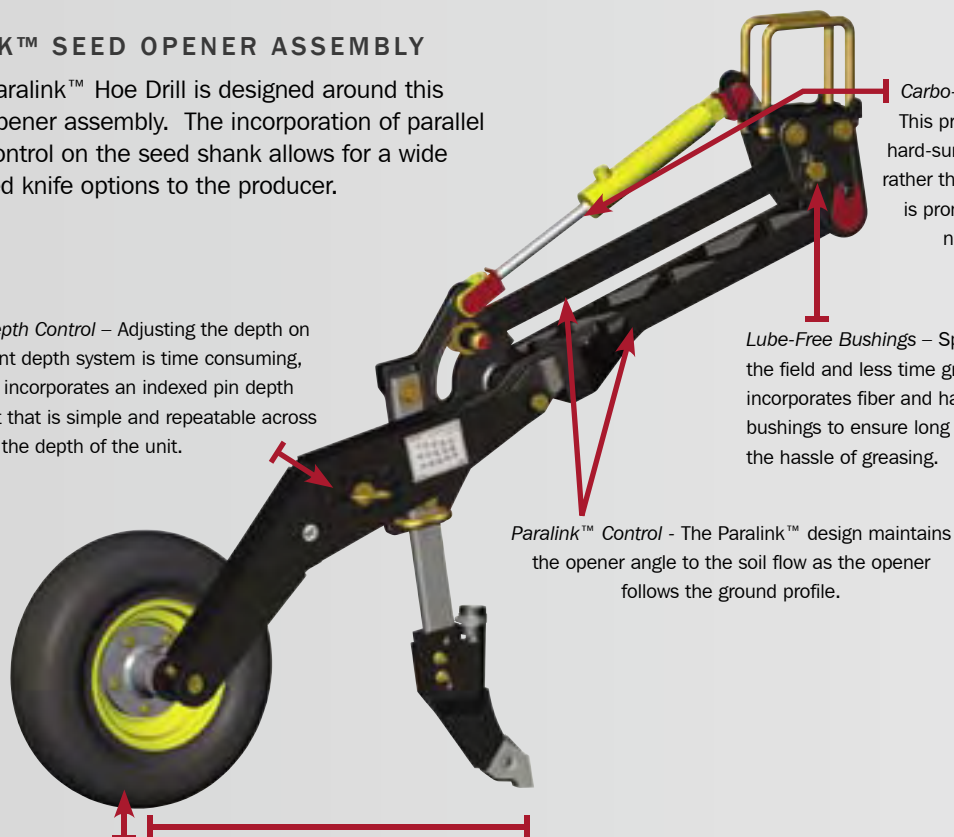
Use care in the selection of the right seed knife, boot or tip so as to achieve the desired results. A single-shoot seed-only knife is recommended for use with the 3310. Bourgault Mid Row Banders® are recommended if you are configuring a double-shoot, one-pass seeding system. The selection and subsequent performance of seed knives, boots or tips are solely the responsibility of the opener manufacturer and the operator.



PARALINK™ SEED OPENER ASSEMBLY

The 3310 Paralink™ Hoe Drill is designed around this innovative opener assembly. The incorporation of parallel link depth control on the seed shank allows for a wide range of seed knife options to the producer.

Easy-Adjust Depth Control – Adjusting the depth on an independent depth system is time consuming, so Bourgault incorporates an indexed pin depth adjustment unit that is simple and repeatable across the depth of the unit.



Carbo-Nitrided Shafting – This processed shafting is hard-surfaced for protection, rather than hard-plated which is prone to damage from nicks and wear.

Lube-Free Bushings – Spend more time in the field and less time greasing. Bourgault incorporates fiber and hardened steel bushings to ensure long service life without the hassle of greasing.

Paralink™ Control - The Paralink™ design maintains the opener angle to the soil flow as the opener follows the ground profile.

Packer Wheel Choice – Choose from a variety of tire options to match your seeding requirements.

Efficient Seeding – Optimal opener-to-packer distance allows soil to flow into the seed row. You can achieve a consistent seed depth at productive seeding speeds for the given conditions.

EFFICIENT & EFFECTIVE HYDRAULIC SYSTEM

The hydraulic configuration on the 3310 PHD™ efficiently utilizes the tractor's closed-centre hydraulic system. Hydraulic flow is minimal during the seeding operation. The biggest draw is in the headland turns with the raise and lower action controlled at the Model 400 control box.

BOURGAULT MID ROW BANDERS®

One of the defining features of the 3310 Paralink™ Hoe Drill is the optional hydraulic Mid Row Banders®. MRBs® allow you to place nitrogen fertilizer and sulphur between every other seed row without danger of seed contact. The growing use of Variable Rate Technology means that fertilizer rates will vary throughout your field. High rates of fertilizer placed near your seed will run the risk of seed damage or mortality. Maximize your returns and minimize your risks when one-pass seeding with MRBs (*for more information on MRBs see page 32*).

Farmers who choose 12" spaced 3310s now have the option of the Mid Row Shank II (*see page 37 for more information on the MRS II*). This banding option provides optimal nutrient placement with less moving parts.

PACKER WHEEL SELECTION

You can choose a packer wheel that best suits your choice of knife. The 4.8" pneumatic packer (*with tube*) can be adjusted from 16 to 50 psi to match changing soil conditions. The 5.4" semi-pneumatic provides a wide packing profile, while the 4.5" V-Style semi-pneumatic provides a more aggressive, narrow profile. The 4.5" semi-pneumatic is also available. Both the 4.5" semi-pneumatic and the 5.4" semi-pneumatic have a round profile.



Specifications

MODEL	3310-40	3310-48	3310-55	3310-65	3310-75
No. of Sections	3	5	5	5	5
Working Widths					
10" spacing	40'0"	48'4"	55'0"	65'0"	75'0"
12" spacing	40'0"	48'0"	54'0"	66'0"	74'0"
Transport Width	20'8"	22'6"	22'6"	24'3"	24'3"
Transport Height (max)	16'3"	14'1"	16'3"	17'3"	18'6"
*Weight (approx)					
10" w mrb	26,200 lb	30,950 lb	34,450 lb	44,000 lb	48,000 lb
12" w mrb	24,500 lb	28,800 lb	31,950 lb	40,500 lb	44,500 lb
Tires (available options: a = single wheel, b = dual wheel fixed, c = dual wheel pivot, d = dual wheel walking)					
Main Frame Front	13.5Lx15FI (d)	13.5Lx15FI (d)	13.5Lx15FI (d)	16.5Lx16.1FI (d)	16.5Lx16.1FI (d)
Main Frame Rear	11Lx15FI (c)	11Lx15FI (c)	11Lx15FI (c)	13.5Lx15FI (c)	13.5Lx15FI (c)
Inner Wing Front	11Lx15FI (b,d)	11Lx15FI (b,d)	11Lx15FI (b,d)	13.5Lx15FI (d)	13.5Lx15FI (d)
Inner Wing Rear	11Lx15FI (a,b)	11Lx15FI (a,b)	11Lx15FI (a,b)	11Lx15FI (b)	11Lx15FI (b)
Outer Wing Front	N/A	11Lx15FI (b,d)	11Lx15FI (b,d)	13.5Lx15FI (b,d)	13.5Lx15FI (b,d)
Outer Wing Rear	N/A	11Lx15FI (a,b)	11Lx15FI (a,b)	11Lx15FI (a,b)	11Lx15FI (a,b)

* all weights are estimates and are subject to change

Additional Specifications

Trip Assembly Travel	+ or - 6"
Packing force	In-cab adjustment from 70 to 200 lb
Opener depth adjustment	Pin style (0-2.5")
Packer Options	4.8" pneumatic, 4.5", 5.4" round semi-pneumatic, 4.5" V semi-pneumatic
Pneumatic Tire Pressure	16 to 50 psi
Front to Rear Wheel	191" with MRB / 169" without MRB
Row Crop Config. (opt.)	20" with 10" / 24" with 12"
Rear Drop Hitch (opt.)	For pulling liquid or NH ₃ tanks with lower hitch pull points