



PURSUING PERFECTION



2015

PRODUCT CATALOGUE - AUSTRALIA



We are pleased to present you with this latest catalogue that we believe represents the cutting edge designs for small grains production. We further believe that the equipment in the catalogue provides the farmer with more value adding potential than any other competing equipment. This is because the equipment features industry leading technology incorporated into robust platforms. Farming is one of the most challenging endeavors on the planet because crops are so greatly influenced by the weather, which is both unpredictable and highly variable. No other industry has so many uncontrollable variables to factor into its decision making than farming. The equipment that is illustrated in this catalogue is designed to help minimise the impacts of variable weather and soil conditions on both farmers and crops. This applies especially to the air drills that are featured in this catalogue, given that of all the equipment on the modern farm, seeding equipment can have the greatest impact on the crop result. Obviously, all of the equipment on the modern farm has to be reliable in order to seed and successfully harvest a crop. However, the world's best tractor, combine harvester or sprayer cannot make up for a crop that has emerged

poorly and subsequently yielded poorly. All of the top producers are keenly aware of this fact and allocate their capital accordingly.

When weather conditions are good, it has been clearly demonstrated that most of the drills on the market will produce a good crop. However, when soil and weather conditions become more challenging, the performance differences, in the various types of seeding systems, emerge. The more difficult the conditions, the greater will be the benefits provided by the technology found on Bourgault's air drills. In wet conditions, independent openers, high flotation axles and wheels and the ability to reduce packing pressure all provide major benefits in allowing the farmer to seed into wetter conditions and still obtain good crop emergence. In dry conditions, high packing forces, minimal soil disturbance and having the nitrogen placed at a safe distance, away from the seed, can all have a dramatic impact on emergence and yield. Bourgault's 3320 line-up of air drills typically uses a single narrow opener to deposit the seed onto firm, moist soil, while creating minimal soil disturbance. Also, while producing minimal soil disturbance, the coulter type Mid Row Bander® system allows the nitrogen to be deposited safely away from the seed yet allows the nitrogen to be fully accessible to the plant when it needs it. The heavy duty construction allows for good soil penetration and for robust packing



pressures to be selected to ensure good seed to soil contact. The highest yields come from crops that emerge quickly and uniformly and in dry conditions, Bourgault's single opener and coulter type Mid Row Banding system clearly outperforms single and dual knife side banding systems.

After having been in business for more than 40 years, Bourgault Industries Ltd. remains totally committed to continuing to raise the bar on the technology that its equipment provides to its customers in order to help make farming easier and a more rewarding experience. Our designers are selected not only because they have outstanding talent, but also because they have a farm background and share a passion for making farming more rewarding. However, as an organization, everyone within it finds it very rewarding when they learn how our equipment has been instrumental in helping a farmer produce successful crops, year after year, but really coming through for that farmer when difficult conditions were encountered.

We hope that you take the time to inform yourself with the contents of this catalogue. Please feel free to visit our web site www.bourgault.com for more information or to contact your local Bourgault dealer.

A handwritten signature in black ink, appearing to be 'B. R. Gold'.

President's Message	2-3
3320 Paralink™ Hoe Drill (SE, QDA, XTC)	8-23
3720 Independent Coulter Drill	24-31
5810 Air Hoe Drill	32-37
Hi-Flotation (HF) Design Feature	38-39
Mid Row Bander III (MRB IIIs)	40-41
HVB - Hydraulic Variable Breakout System	42-45
7000 Series Air Seeders	46-57
<i>Auto Section Control (ASC)</i>	54-55
<i>Bulk Boom Product Transfer System</i>	53
6000 Series Air Seeders	58-65
X30 Apollo System	66-69
ISO Apollo System	69
8910 Cultivator	70-75
9400 Floating Hitch Chisel Plow	76
<i>Tillage Options</i>	77
Service/Bourgault Warranty	79

TABLE OF CONTENTS

Investing In Our Future.



BOURGAULT SEEDING SYSTEMS
NECESSITY DRIVES INNOVATION





40 years ago, Bourgault Industries Ltd. was formed in response to a local agricultural need for a cultivator that could effectively manage the rugged, stony terrain as well as heavy field residue. This same approach carries on today where seeding equipment is developed in response to need with the same guiding principles of simplicity, durability and productivity. Bourgault is continually developing better, more efficient ways to get your seed in the ground.

Bourgault Industries Ltd. remains totally committed to continuing to raise the bar on the technology that its equipment provides to its customers in order to help make farming easier and a more rewarding experience.

—GERRY BOURGAULT PEng

President of Bourgault Industries Ltd.



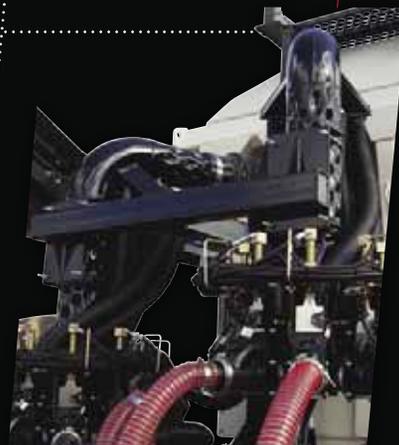
p 38

Hi-Flotation (HF)



p 54

auto section control



p 53

product transfer system



recent Bourgault innovations



EXPANSION TRANSLATES INTO ADDED VALUE TO YOU

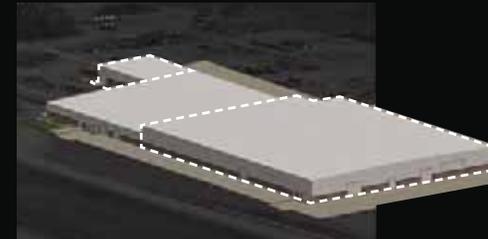
Bourgault is presently adding 1.82 Ha (4.5 acres) of production area to its facilities in St. Brieux, SK, Canada.

At the onset of this expansion, our goal was to develop systems that will allow us to more efficiently manufacture large equipment—equipment that will increase your productivity, crop yields and quality.

Bourgault has firmly established roots, and looks forward to working together to grow your farming operation.



Bourgault Building E prior to the 2013 expansion.



The white, serrated line outlines the new expansion; this expansion almost quadruples the present manufacturing square footage at building E.



Bourgault Australia Relocates to Better Serve You.

During 2014 Bourgault relocated their warehousing and distribution centre for eastern Australia from our old site at Parkes, New South Wales to Albury, New South Wales. Western Australian customers will continue to be served from our Armadale, WA warehouse and support team. The new 6.67Ha site at Albury will service the states of New South Wales, Queensland, Victoria and South Australia for product assembly, distribution and after sales parts support. The Albury/Wodonga area has long been recognised as an inland distribution hub, with its location along the Hume Highway that connects Sydney to Melbourne and other major highways toward northern New South Wales, Queensland, Victoria and South Australia. As part of this relocation, Bourgault Australia expects to be able to provide next day delivery service to most eastern states Bourgault dealers and customers.

expansion

3320 PHD Paralink™ Hoe Drill (SE, QDA & XTC)

BOURGAULT

3320 PARALINK™ HOE DRILL
INDEPENDENT SEEDING DIVERSITY





Different seeding operations require different seeding solutions. This is why Bourgault offers the 3320 PHD™ in three different configurations.



3320 SE Standard Edition

The 3320 SE provides a proven configuration for producers requiring a highly effective independent seeding system in a wide range of seeding conditions. The 3320 SE employs the 2:1 PHD Seed Opener Assembly.



3320 QDA Quick Depth Adjust

The QDA is the only drill on the market that offers both independent depth control and quick seed depth adjustment---allowing you to adjust your seed depth in a matter of minutes. The QDA uses the proven technology of the 2:1 PHD Seed Opener Assembly; the 2:1 contour ratio dampening opener movement and providing a consistent seed depth even when seeding at an angle to last year's furrows.



3320 XTC eXtra Terrain Contouring

The 3320 XTC independent seed drill is designed with the XTC Seed Opener Assembly. The 1:1 contour ratio of the XTC Seed Opener Assembly delivers superior contouring characteristics in uneven terrain.



1 Paralink™ OPENER DESIGN



The Bourgault Paralink™ design maintains the opener's attack angle, regardless of its position. This feature allows you to select

the seed opener that works best for your conditions and farming techniques. To minimise seedbed disruption as well as ensure good seed row coverage. *(Bourgault recommends using narrow seed knives for XTC systems.)*

While guidelines are provided to help achieve intended results, final opener selection and subsequent field performance is the sole responsibility of the opener manufacturer and the owner.

2 Durable CONSTRUCTION



The superior design of the heavy-duty, 127 mm x 127 mm (5" x 5") three-row frame ensures reliable service through many seasons.

3 Packer Options TO SUIT VARYING CONDITIONS

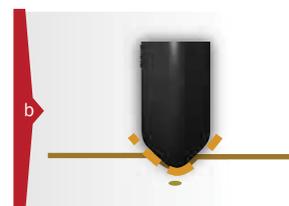
For optimum results, it is critical to match your opener with the right packer wheel. Please note that these are general guidelines and may not suit specific requirements for every operation.



122 mm (4.8") PNEUMATIC

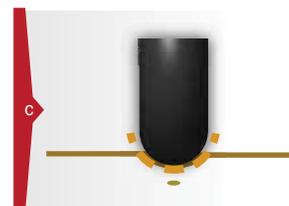
Excellent for a wide range of seeding conditions with various openers.

- ▶ 6-ply, 122 mm pneumatic packer (with tube)
- ▶ 83-345 kpa (12-50 psi)



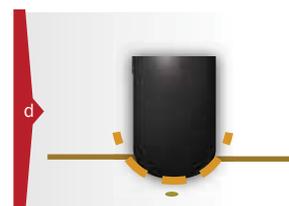
114 mm (4.5") V-STYLE SEMI-PNEUMATIC

The 114 mm V-style semi-pneumatic packer provides a more aggressive, narrow profile with excellent mud-shedding characteristics and is commonly used with narrow openers 19 mm to 51 mm (¾" to 2").



114 mm (4.5") SEMI-PNEUMATIC

The 114 mm semi-pneumatic provides a wide, rounded packing profile and is typically matched with a 19 mm to 51 mm (¾" to 2") wide opener.



137 mm (5.4") SEMI-PNEUMATIC

The 137 mm semi-pneumatic provides a wide, rounded packing profile and is typically matched with a 51 mm to 102 mm (2" to 4") wide opener.

4 Optional MID ROW BANDERS

Add optional Bourgault MRB IIIs to your Series 3320 PHD to achieve optimal seed-to-fertiliser placement and ensure maximum returns by minimising the risk of poor emergence. 3320's equipped with MRB IIIs and narrow seed openers allow for higher operating speeds with better field finish with more consistent seed placement compared to wide or double-shoot openers.

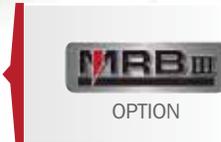
5 Reduced HYDRAULIC FLOW



3320 PHDs have full in-cab control of packing and tyne force. Set packing force from a low 25 kg (55 lb) (*Low Pack Mount*) to over 90 kg (200 lb). One click of the pressure control toggle will adjust system pressure by 345 kPa (50 psi). This translates into:

- ▶ 2.3 kg (5 lb) of packing and 6.4 kg (14 lb) of tyne force for the PHD Opener Assembly
- ▶ 1.8 kg (4 lb) of packing and 7.3 kg (16 lb) of tyne force for the XTC Opener Assembly.

The 3320 PHDs incorporate a 32 mm (1¼") diameter hydraulic cylinder on both variations of seed openers. These cylinders minimise hydraulic requirements for fast lift times in the headlands.



3320 PHD Paralink Hoe Drill (SE, QDA & XTC)



6 Excellent FLOTATION

Large castor wheels minimise the ground pressure resulting in low compaction, very good transport handling ability, as well as exceptional flotation in wet or soft conditions.



7 Optional Hi-Flotation Running Gear FOR WET CONDITIONS



Float above the competition with the Hi-Flotation (*HF*) option exclusive from Bourgault. Large, 800/65R32 main frame front tyres and 540/65R24 (*singles*) on the inner and outer wing castor wheels provide exceptional flotation through wet or soft spots. Large diameter wheels prevent the drill from “diving” into wet or soft soils and allow you to effectively manage turns with HF’s wagon-style steering.

HF is optional on 3320-60, 3320-66 and 3320-76 models and standard on the 3320-80 and 3320-86 models. See page 38 for more details.



3320 PHD QDA Quick Depth Adjust



SET YOUR
Seed Depth

in a matter of minutes.

The 3320 QDA allows you the peace of mind that your seed depth has been optimally set...and all in a couple of minutes.

Achieving the right seed depth for a given crop and current conditions is critical for optimal germination. When time is tight, the hassle of setting an independent depth seed drill encourages producers to find a “close-enough” depth that is an average of the range of optimal seeding depths for various crops and conditions. Bourgault recognised this trend as a detriment to the producer's bottom line and endeavored to offer a better solution. The result is the 3320 QDA—the only independent hoe drill with convenient and effective seed depth setting.

3320 QDA with HF option ▼



► Shim Pack Design MAKES SEED DEPTH ADJUSTMENT EASY

The 3320 QDA incorporates a frame height adjustment system that provides the ability to efficiently and easily adjust your seeding depth; an unexpected feature for an independent depth seeding system.

This feature is made possible by the 2:1 contouring ratio of the PHD Seed Opener Assembly where a change in frame height produces a change of half as much in seed depth. To capitalise on this, the 3320 QDA is equipped with a hydraulic cylinder and shim assembly on each front castor wheel and rear carrier wheel. To set the seed depth at the frame, these cylinders are extended to lift the frame, shims

are then slid in or out of position. Once the shims are set, the cylinders are retracted back into operational position. The 3320 QDA provides ten shims, each shim equals 3 mm ($\frac{1}{8}$ ") of seed depth adjustment for 32 mm ($1\frac{3}{4}$ ") of total quick depth change range. Seeding depth can still be set on the PHD Seed Opener Assembly to optimise the quick depth range and for adjustment of individual openers operating in wheel tracks.

A 6 mm ($\frac{1}{4}$ ") change of seed depth for the opener will produce a 13 mm ($\frac{1}{2}$ ") depth change for the MRBs. A change in MRB depth is not as critical as with seed openers, but should still be realised by the operator and adjusted if required.

THE HYDRAULIC SHIM ASSEMBLY ►



1 Frame in field operating position.



2 Divert hydraulic pressure to frame lift cylinders.



3 Raise frame to take pressure off to allow placement of shims



4 Remove retaining pin from shims.



5 Place desired number of shims into position.



6 Replace retaining pin to secure shims at new depth setting.



7 Frame can now be returned to operating position.



Individual adjustment for fine tuning in wheel tracks.

3320 PHD Seed Opener Assembly (SE & QDA)



▶ 3320 PHD Seed Opener Assembly TRAILING ARM 2:1 PARALLEL LINK

The 2:1 contour ratio of the PHD Seed Opener Assembly is designed to deliver good contouring characteristics, excellent penetration and consistent results in a wide range of seeding conditions.

Another benefit of the 2:1 contour ratio is the dampening effect of a rough soil surface on the packer wheel. For every 25 mm (1") that the packer wheel moves, the seed opener will move 13 mm ($\frac{1}{2}$ "), resulting in consistent seed placement even with challenging residue, or seeding against old furrows.

2:1 Contour Ratio

1 Simple Depth Control

Bourgault incorporates an indexed pin depth adjustment that is simple and repeatable. Each position provides 4 mm ($\frac{1}{6}$ ") of adjustment, for a total range of 64 mm ($2\frac{1}{2}$ ").

2 Quick Hydraulic Response

The 3320 PHD utilises a 32 mm ($1\frac{1}{4}$ ") diameter cylinder for quick lifting in the headlands and reduced hydraulic demand.

3 Paralink™ Control

The Paralink™ design maintains the attack angle of the opener in the ground as the opener follows the ground profile, resulting in consistent soil flow and superior seed placement.

4 Superior Piston Seals

The hydraulic cylinder is equipped with double u-cup piston seals which offer excellent protection from wear and damage—the leading cause of internal leakage.

5 Lube-Free Bushings

Spend more time in the field and less time greasing. Bourgault incorporates high performance teflon lined composite bushings on chrome pins to ensure a long service life without the hassle of greasing.

6 Greater Opener to Packer Distance

The PHD Seed Opener Assembly is designed with an optimum opener-to-packer distance. This allows soil to flow into the seed row and aids residue to pass through the frame. You can achieve a consistent seed depth at greater seeding speeds for the given working conditions.

7 Choice of Seed Openers

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

Guidelines are provided to help achieve intended results, but, final opener selection and subsequent field performance is the sole responsibility of the opener manufacturer and the owner.

8 Choice of Packer Wheel

To suit your specific seeding requirements, Bourgault offers a range of packer wheel options to match your opener selection.

9 Built to Last

Strong, well-designed cast components resist bending and breaking, even when conditions are tough. You don't have to worry about bent seed arms tracking poorly resulting in erratic row spacing and possible seed damage.

10 Bolt-On Wheel Assembly

A packer wheel assembly can be quickly changed in the field. Get seeding again in minutes! (*Drill is equipped with a spare packer wheel.*)

3320 PHD XTC eXtra Terrain Contouring



SEED WITH
Precision

even in challenging terrain.

The design of the 1:1 contouring XTC Seed Opener Assembly ensures exact seed placement in a wider range of conditions than you could ever expect from the competitors' independent seeding units.



3320 XTC
with HF option



► Optimised Independent SEED DEPTH ADJUSTMENT



Precision farming requires seed depth changes to match your crop type and field conditions. Bourgault optimised the seed depth adjustment on the 1:1 XTC seeding arm to maximise both efficiency and accuracy. To adjust the depth, simply squeeze the handle on the opener adjustment and rotate the indicator to the new position.

► Edge-On SHANK



The edge-on style shank found on the 3320 PHDs allows the use of front delivery seed boot openers. This style of opener has proven to provide better, more consistent placement of the seed, while at the same time greatly reducing the risk of plugging in wet conditions.

The 3320 XTC operator can be confident that the seed-only knife and edge-on shank arrangement delivers greater residue clearance than the competition in the same conditions especially when equipped with residue cutting MRBs.



▶ 3320 XTC Seed Opener Assembly 1:1 PARALLEL LINK ASSEMBLY

1 Easy-Adjust Depth Control

To make seed depth adjustment as convenient as possible on the 3320 XTC, Bourgault incorporated a spring retained depth setting system for quick and repeatable depth setting across the whole unit.

2 Quick Hydraulic Response

The 3320 PHD utilises a 32 mm (1¼") diameter cylinder for quick lifting in the headlands and reduced hydraulic demand.

3 Land Following Paralink™ Control

The Paralink™ design maintains the attack angle of the opener in the ground as the opener follows the ground profile, resulting in consistent soil flow and superior seed placement.

For every 25 mm (1") of vertical movement of the packer wheel, the seed opener also travels 25 mm (1") thereby maintaining seed depth accuracy as the XTC opener seeds through rough terrain that varies by plus or minus 203 mm (8") over the depth of the drill.

4 Superior Piston Seals

The hydraulic cylinder is equipped with double u-cup piston seals which offer excellent protection from wear and damage that may cause internal leakage.

5 Lube-Free Bushings

Spend more time in the field and less time greasing. Bourgault incorporates high performance teflon impregnated composite bushings on chrome pins to ensure a long service life without the hassle of greasing.

6 Choice of Seed Openers* (Narrow Openers Recommended)

The XTC seed opener design guarantees consistent seed knife angle relative to the ground, regardless of its position. Equip your XTC with a narrow seed knife to achieve accurate placement even at shallow seeding depths [19 mm (¾") to 51 mm (2") maximum single-shoot opener recommended].

7 Tighter Opener to Packer Distance

The distance between the seed opener and packer wheel is set to gain consistent seed placement even with sharp changes in topography.

8 Choice of Packer Wheel

Bourgault offers a range of packer wheel options that will help you match your opener selection and suit your specific seeding requirements.

9 Built to Last

Strong, well-designed cast components resist bending and breaking, even when conditions are tough. You don't have to worry about bent seed arms tracking over fertiliser rows.

10 Bolt-On Wheel Assembly



A packer wheel assembly can be quickly changed in the field, allowing you to get seeding again in minutes!

* Guidelines are provided to help achieve intended results, final opener selection and subsequent field performance is the sole responsibility of the opener manufacturer and the owner.



The 1:1 contour ratio of the XTC Opener Assembly is designed to deliver good penetration and excellent contouring characteristics as the full parallel linkage allows the XTC opener to follow the field independent of the frame. The packer wheel and seed opener travel in unison for precise results, and, if the frame wheels sink in soft soils, the depth will not be affected.

1:1 Contour Ratio



3320 PHD Paralink Hoe Drill (SE, QDA & XTC)





3320 PHD Paralink Hoe Drill Specifications

Model	3320-30	3320-40	3320-50	3320-60	3320-66	3320-76	3320-80	3320-86
No. of Sections	3	3	5	5	5	5	5	5
No. of Rows	3	3	3	3	3	3	3	3
Working Widths								
254 mm (10") spacing	9.14 m (30'0")	12.2 m (40'0")	15.2 m (50'0")	18.3 m (60'0")	20.3 m (66'8")	23.4 m (76'8")	24.3 m (80')	26.4 m (86'8")
305 mm (12") spacing	9.14 m (30'0")	12.2 m (40'0")	15.8 m (52'0")	18.3 m (60'0")	20.7 m (68'0")	23.2 m (76'0")	24.3 m (80')	25.6 m (84'0")
327 mm (12.88") spacing	9.14 m (30'0")	-	-	-	-	-	-	-
381 mm (15") spacing	9.14 m (30'0")	-	-	-	-	-	-	-
Transport Width (max)	5.03 m (16'6")	5.9 m (19'5")	6.3 m (20'10")	7.4 m (24'4")	7.5 m (24'6")	7.6 m (25'1")	8.9 m (29'3")	8.9 m (29'3")
Transport Height (max)	3.91 m (12'10")	5.1 m (16'7")	4.9 m (16'1")	4.8 m (15'9")	5.3 m (17'5")	5.7 m (18'9")	6.1 m (20')	6.1 m (20')
Weight (estimates only - with standard running gear)								
254 mm (10") w MRBIII	9,117 kg (20,100 lb)	12,156 kg (26,800 lb)	15,286 kg (33,700 lb)	18,370 kg (40,500 lb)	20,638 kg (45,500 lb)	22,498 kg (49,600 lb)	28,580 kg (63,000 lb)	29,250 kg (64,500 lb)
305 mm (12") w MRBIII	8,482 kg (18,700 lb)	11,340 kg (25,000 lb)	14,061 kg (31,000 lb)	16,874 kg (37,200 lb)	18,960 kg (41,800 lb)	20,593 kg (45,400 lb)	27,000 kg (59,500 lb)	27,670 kg (61,000 lb)
327 mm (12.88") w MRBIII	8,301 kg (18,300 lb)	-	-	-	-	-	-	-
381 mm (15") w MRBIII	7,802 kg (17,200 lb)	-	-	-	-	-	-	-
Add approximately 3,402 kg (7,500 lb) to 60', 66', or 76' unit when the Hi-Flotation running gear option is added. The exception is the 86' where HF is standard and the 80' where the HF main frame is standard.								
Tyres								
Main Frame Front	11Lx15FI	13.5Lx15FI	13.5Lx15FI	16.5Lx16.1FI	16.5Lx16.1FI	16.5Lx16.1FI	800/65R32	800/65R32
Main Frame Rear	11Lx15FI	11Lx15FI	11Lx15FI	13.5Lx15FI	13.5Lx15FI	13.5Lx15FI	16.5x16.1FI	16.5x16.1FI
Inner Wing Front	11Lx15FI	11Lx15FI	11Lx15FI	13.5Lx15FI	13.5Lx15FI	13.5Lx15FI	13.5Lx15FI	540/65R24
Inner Wing Rear	11Lx15FI	11Lx15FI	11Lx15FI	11Lx15FI	11Lx15FI	11Lx15FI	11Lx15FI	11Lx15FI
Outer Wing Front	-	-	11Lx15FI	13.5Lx15FI	13.5Lx15FI	13.5Lx15FI	13.5Lx15FI	540/65R24
Outer Wing Rear	-	-	11Lx15FI	11Lx15FI	11Lx15FI	11Lx15FI	11Lx15FI	11Lx15FI

General Specifications

*all weights and transport dimensions are estimates and are subject to change.

Packer Options 122 mm (4.8") Pneumatic, 114 mm (4.5") V-style Semi-Pneumatic, 114 mm (4.5") Semi-Pneumatic & 137 mm (5.4") Semi-Pneumatic

Tyne Assembly Travel SE & QDA: + or - 152 mm (6")
XTC: + or - 203 mm (8")

Depth Adjustment SE: 4 mm (1/8") increments, 0 to 64 mm range (0 to 2 1/2")

QDA opener: 4 mm (1/8") increments, 0 to 64 mm range (0 to 2 1/2" range)

QDA frame adjustment: 3 mm (1/8") increments, 0 to 32 mm range (0 to 1 1/4" range)

XTC: 6 mm (1/4") increments, 0 to 83 mm range (0 - 3 1/4" range)

Front to Rear Wheel SE: 4.9 m (19'1") with MRBIII/ 4.3 m (16'9") w/o MRBIII / 5.6 m (21'9") with HF option

QDA: 4.9 m (19'1") with MRBIII/ 4.9 m (19'1") w/o MRBIII / 5.6 m (21'9") with HF option

XTC: 4.9 m (19'1") with MRBIII/ 4.3 m (16'9") w/o MRBIII / 5.6 m (21'9") with HF option

Rear Drop Hitch (optional) For pulling liquid or NH₃ tanks with lower hitch pull points

MRBIII Optional MRBs for optimal seed to fertiliser separation



3720 INDEPENDENT COULTTER DRILL ULTRA-LOW SEEDBED DISTURBANCE



Unparalleled PRODUCTIVITY Customers have provided a great amount of positive feedback on the performance of the 3710 ICD. They allow them to seed when competitors' drills were parked. The HF option, available on the 18.3 m (60') and 21.3 m (70'), further expands the seeding window to maximise results in wet conditions.

Achieve unbeatably accurate seed placement, in-cab on-the-fly hydraulic control of packer wheel downforce and exceptional productivity...all while maintaining your seedbed's integrity.

► **Exceptionally Consistent Seed Depth**
THE 3720 ICD PARALLEL WALKING COULTER ARM ASSEMBLY

The advanced patented parallel walking coulters arm provides both accuracy and consistency in varying field conditions. The parallel link design, combined with the walking axle cleaner/packer assembly, delivers unsurpassed depth control and contour-ability. Competitors that set the gauge wheel directly beside the

coulters are more prone to inconsistent seed depth; particularly in rough soil conditions or faster speeds. Expect consistent seed placement resulting in uniform emergence, even in challenging field conditions.



When going over rocks or uneven ground, for every 25 mm (1") that the cleaner wheel adjusts vertically, the seed depth moves only 10 mm ($\frac{3}{8}$ ").



For every 25 mm (1") that the packer wheel moves vertically, the seed depth moves only 16 mm ($\frac{5}{8}$ ").



When moving over smooth terrain, the seed boot will follow the combined vertical movement of the cleaner/packer wheel at a 1:1 ratio.

3720 IGD Independent Coulter Drill



► The 3720 ICD PARALLEL WALKING COULTER ARM ASSEMBLY

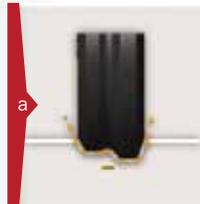
1 Cleaner Wheel Options

Two cleaner wheel options extend your 3720's customisation. The narrow option 76 mm (3") minimises damage to standing stubble, while the wider 114 mm (4.5") option provides increased stability in pre-worked or softer soils.

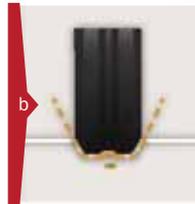
2 Packer Options

Two packer wheel options help ensure optimal results in your specific conditions. To further optimise performance, shims located on the packer wheel enable you to adjust its position relative to the opener.

Packer Options



► The 114 mm (4.5") Double-Shoulder Offset Semi-Pneumatic packer wheel is effective in directing soil over the furrow, as well as closing the flap.



► The 114 mm (4.5") Double-Shoulder Semi-Pneumatic Packer Wheel is highly effective when combined with the winged scraper.



3 Parallel Arms

Parallel Arms provide a consistent angle on the coulters' presentation to the soil. This ensures the low disturbance scraper maintains a constant attack angle to the ground providing optimum seed placement. Each arm provides +229 mm (+9") & -178 mm (-7") of travel from nominal position for 406 mm (16") of total opener travel.

4 521 mm (20½") Coulters

The large, 521 mm (20½") diameter x 5 mm (.197") thick single bevel boron steel coulters have very good wear characteristics, yet maintain flexibility to minimise breakage. The coulters cut through heavy residue to ensure consistent seed placement.

5 Packer Depth Adjustment

The Depth Adjustment provides seed depth changes in 6 mm (¼") increments for a total of 102 mm (4") of adjustment. The simple pin-style system includes a convenient handle.

6 Walking Axle



The walking axle is key to exceptionally consistent seed depth. When additional packing force is required or when there is concern of the cleaner wheel pulverising the soil, you have the option to engage the walking axle fixed link to lock the cleaner wheel up so that the packer wheel alone sets the opener depth.

7 Scraper Options

Bourgault offers 2 scraper options: 1/ the Winged Scraper* and 2/ the Low Disturbance Scraper (LD) (see page 29 for more information)

*The Winged Scraper is only available on 305 mm (12") spacing.

▶ On-The-Fly HYDRAULIC CONTROL

In response to changing soil and moisture conditions, the packing pressure on each individual opener can be conveniently set "on-the-go" allowing you to adjust the packer wheel downforce on each seed row from 32-104 kg* (70 to 230 lb*).

In the walking configuration, packing pressure is shared 70% to the packing wheel and 30% to the cleaner wheel. Lock the cleaner wheel into the "up" position to direct 100% of packing force to the packer wheel.



**packer wheel downforce may vary with field conditions and cleaner wheel orientation*

▶ Row Crop CONFIGURATION

The 191 mm (7.5") and 254 mm (10") spaced 3720 Independent Coulter Drills are available with a row cropping option to give you the flexibility to easily switch to 381 mm (15") and 508 mm (20") centres respectively.

Realize BIG PRODUCTIVITY.

For 2015, Bourgault ups the ante with the 21.3 m 3720 making it a true industry leader. If your farm needs big productivity, the 3720-70 may be just what you are looking for.



3720 ICD with HF option

REDUCED HAIRPINNING

The 3720 ICD arm mounts the 521 mm (20½") disk opener on a 5 degree horizontal and 10 degree vertical compound angle. This provides better cutting action through field residue and helps reduce hairpinning in the seed rows.



▶ Seedboot/Scraper OPTIONS

LOW DISTURBANCE SEED BOOT/SCRAPER



The narrow profile Low Disturbance scraper (LD) provides seed placement in a narrow cut seedbed. The result is an exceptional field finish that preserves the maximum soil moisture in order to foster germination.



WINGED SEED BOOT/SCRAPER



The Winged Scraper [offered on 305 mm (12") spacing only] provides additional seed protection by placing the seed away from the furrow created by the coulter where hairpinning can occur. Field finish is similar to that of a hoe drill.



In addition, the Winged Scraper can be used to separate seed and starter fertilisers. This ability can be especially useful when seeding legume crops such as soybeans. Legumes are susceptible to phosphate damage when P is seed placed. Placing the P off to the side and below the seed reduces damage to the Rhizobia bacteria in the seed trench—allowing for maximum N fixation by the plant.

It is recommended to use Mid Row Banders® for the placement of nitrogen fertiliser when using the 3720 ICD in a one-pass seeding operation.



► **Optimal
NUTRIENT PLACEMENT**

Placing the crops' nitrogen requirements mid row has proven to be the optimal location for a one-pass seeding operation. Only mid row banding gives you the peace of mind that your input investment is working to increase your profit margin.

Note: MRBs are not available on 18.3 m (60') and 21.3 (70') units with 191 mm (7.5") spacing.



Above: emergence from 2013



Above: field finish using the LD scraper and MRBs - July 2013

3720 ICD Independent Coulter Drill Specifications

Model	3720-30	3720-40	3720-50	3720-60	3720-70
No. of Sections	3	3	5	5	5
No. of Rows	2	2	2	2	2
Transport Width (max)	4.88 m (16'0")	6.0 m (19'10")	6.0 m (20'5")	6.1 m (20'0")	6.86 m (22'6")
Transport Height (max)	3.99 m (13'1")	4.7 m (15'3")	4.3 m (14'0")	5.3 m (17'5")	5.7 m (18'7")
Weight estimates only - with standard running gear					
191 mm (7.5") w/ MRB III	n/a	17,700 kg (39,000 lb)	23,600 kg (52,000 lb)	-	-
191 mm (7.5") w/o MRB III	11,476 kg (25,300 lb)	14,750 kg (32,500 lb)	19,800 kg (43,600 lb)	22,250 kg (49,000 lb)	-
254 mm (10") w/ MRB III	11,884 kg (26,200 lb)	15,250 kg (33,600 lb)	20,650 kg (45,500 lb)	23,150 kg (51,000 lb)	29,500 kg (65,000 lb)
254 mm (10") w/o MRB III	10,024 kg (22,100 lb)	12,800 kg (28,200 lb)	17,450 kg (38,400 lb)	19,450 kg (42,800 lb)	25,300 kg (55,700 lb)
305 mm (12") w/ MRB III	10,841 kg (23,900 lb)	14,100 kg (31,000 lb)	19,100 kg (42,000 lb)	21,350 kg (47,000 lb)	27,300 kg (60,100 lb)
305 mm (12") w/o MRB III	9,208 kg (20,300 lb)	12,000 kg (26,200 lb)	16,300 kg (35,800 lb)	18,144 kg (40,000 lb)	23,600 kg (52,000 lb)
Add for Centre HF	-	-	-	+2,680 kg (+5,900 lb)	Included Above
Add for Full HF	-	-	-	+3,520 kg (+7,750 lb)	+840 kg (+1,850 lb)

Front MF Wheels Double-walking castors standard on all main frames except 3720-70
Hi-Flotation centre option available on 3720-60, standard on 3720-70

Front Wheels, wings Single wheel castors standard on wings - 3720-30
Double-walking castors standard on inner & outer wings - 3720-40, 3720-50, 3720-60 & 3720-70.
Hi-Flotation full option available on 3720-60 and 3720-70

* all weights and transport dimensions are estimates and are subject to change.

Every effort has been made to ensure that the information is accurate/current at the time of production. For the latest product information check out our website at: www.bourgault.com

General Specifications

Opener Row Spacing	191 mm (7.5"), or 254 mm (10"), or 305 mm (12")
Coulter Assembly	Independent depth control with in-cab adjustable coulter force
Packing Force	32-104 kg (70-230 lb) walking configuration 45-150 kg (100-330 lb) locked configuration
Opener Depth Adjust.	Pin-style, 6 mm (¼") increments, 102 mm (4") total adjustment
Packer Options	114 mm (4.5") semi-pneumatic double shoulder, 114 mm (4.5") semi-pneumatic double offset shoulder
Cleaner Wheel Options	76 mm (3") wide wheel, 114 mm (4.5") wide wheel
Air Kits	Single-shoot or double-shoot

Blockage Monitors	Optical blockage monitors available in single run (1 per manifold) or full run (1 per tertiary line)
Row to Row Spacing	1.7 m (66")
Safety Chain & Lights	Standard
Wing Transport Locks	Standard
Row Cropping	381 mm w/ 191 mm (15" w/ 7.5"), 508 mm w/ 254 mm (20" w/ 10") Configuration (optional)
Rear Drop Hitch	For pulling liquid or NH ₃ tanks with (optional) lower hitch pull points
MRB III	Optional MRB III hydraulically actuated

5810 AHD Air Hoe Drill

BOURGAULT

5810 AIR HOE DRILL
PROVEN SEEDING TECHNOLOGY



A seed drill you can count on. The durable and proven technology of the 5810 AHD stands up to each season's demands with minimal service requirements.

► The Bourgault Spring Tyne A DEPENDABLE HISTORY.

The Bourgault spring tyne is a true combination of ingenuity, durability and simplicity. The Bourgault spring tyne cushion design utilises increasing force geometry, allowing the Bourgault air hoe drill to be effective where competitors' systems ride on top of the ground. Bourgault spring tyne assemblies will outlast competitors' by a factor of two or more. Should maintenance be required, the tyne assembly can be easily rebuilt, safely and economically using common tools.

You can choose from a variety of bolt-on or quick-change seed knives, spoon openers, vertical openers and spread tip openers to ensure you can achieve the results you need for optimal germination.



Double-shoot openers cannot guarantee seed and fertiliser separation in all conditions. Equip your 5810 AHD with seed-only openers and Bourgault MRBs® to achieve consistently better seeding results in a one-pass operation.

HYDRAULIC VARIABLE BREAKOUT SYSTEM

To match Australia's most challenging conditions, the HVBIII HD system has a maximum breakout force of up to 470 kg (over 1,000 lb). To meet this extra demand, the trip assemblies incorporate a strong tapered shank, heavy casting and trip pivot components, as well as, on average, a 15% increasing breakout force throughout the tripping action; this ensures the trip resumes its intended working position as soon as the obstruction has cleared. (Further details on the HVB Trip on page .)



▶ Robust Design & Construction Guarantees UNIFORM SOIL PENETRATION

The 5810 frame features strong 102 mm x 102 mm (4" x 4") ranks sandwiched between continuous members running on both the top and bottom of the full depth of the frame. This ensures that the drill's weight and working force is transferred efficiently guaranteeing uniform soil penetration.



▶ Optimise Your 5810 TO SUIT YOUR CONDITIONS.

Packer and opener combinations allow you to optimise your 5810 for different seasonal and soil conditions.

Packer Options



STEEL WHEEL 540 m m (21¼" in diameter)
Best for dry conditions where aggressive packing is required.

- ▶ Choice of 57 mm (2¼"), 89 mm (3½") and 114 mm (4½") widths:
 - 114 mm (4½") packer has a 6 mm (¼") steel cap
 - 89 mm (3½") packer has a 5 mm (³⁄₁₆") steel cap
 - 57 mm (2¼") packer has a 7 gauge cap
- ▶ Optional mud-scrappers are available
- ▶ Stone kickers standard



RUBBER-FACED SEMI-PNEUMATIC WHEEL
559 m m (22" in diameter)
Semi-pneumatic packers offer excellent mud shedding ability and offer good packing characteristics in a wide range of moisture conditions.

- ▶ Choice of 76 mm (3") and 102 mm (4") widths
- ▶ Stone kickers standard



PNEUMATIC WHEEL
521 m m (20½" in diameter)
Adjust pneumatic packers to match seeding conditions.
Best option for seeding in wet conditions.

- ▶ 140 mm (5½") width
- ▶ Tyre pressure can be adjusted from 42-310 kPa (6 to 45 psi)
- ▶ 4-ply tubeless tyre is installed with tyre sealant
- ▶ Tyre stem is protected from damage in the field



Optimally placed on the front row to cut through residue, the hydraulically actuated MRB III nitrogen and sulphur applicators create optimal seed to fertiliser proximity for nutrient uptake.

Great **FLOTATION.**

Large castor wheels minimise the ground pressure resulting in low compaction, very good transport handling ability, as well as exceptional flotation in wet conditions.

► Achieve a Consistent Seedbed with PRECISE LEVELLING.



The 5810's easy-to-access levelling adjustments let you accurately level your entire 5810 using one standardised procedure getting you into the field faster.

Adjustment wrenches are provided.

Detailed instructions are located near the point of adjustment.

► Single Point DEPTH ADJUSTMENT.



When time is of the essence, being able to set your seed depth quickly and accurately is a high priority. The 5810 AHD allows you to achieve optimal seed depth in minutes with the Quick Shift Depth Control system. Set, check, and adjust your seed depth in minutes!

General Specifications

Spacing	250 mm (9.8") & 320 mm (12.6")	
Packer Options	Steel - 57 mm (2¼"), 57 mm (3½"), 114 mm (4½") / Rubber - 76 mm (3"), 102 mm (4") / Pneumatic - 140 mm (5½")	
Openers	Quick-Change adaptors optional—refer to BTT for optional openers	
Seed Boots	Standard or wide spread seed boot available	
Air Kits	Single-shoot & double-shoot	
Blockage Monitors	Optical blockage monitors available for secondary and tertiary air lines.	
Wing Castors	Dual rigid (all sizes except 72'), or dual walking (all sizes)	
Tyne Assemblies	150 kg (330 lb) 25 mm (1") x 51 mm (2") shank	200 kg (450 lb) 32 mm (1¼") x 51 mm (2") tapered to 25 mm (1") x 51 mm (2") at the opener attachment location
		HVB III 32 mm (1¼") x 51 mm (2") tapered to 25 mm (1") x 51 mm (2") at the opener attachment location.
Clearance	Units up to 18.9 m (62')	21.9 m (72') Units
Tynes (In Field)	25 cm (10")	23 cm (9")
Tynes (Transport)	30.5 cm (12")	25 cm (10")
MRB/MRS (In Field)	20.3 cm (8")	17.8 cm (7")
MRB/MRS (Transport)	57.2 cm (22.5")	52.1 cm (20.5")
Hydraulic System	High quality master/slave series cylinders with in line hydraulic filter, double line lock/pressure reducing valve, slide action single-point quick shift depth control.	
Auto Clutch Switch	Optional	
Safety Chain & Lights	Standard	
MRB III	Optional on 320 mm (12.6") & 250 mm (9.8") spacings with NH3, dry, or liquid fertiliser tubes	
Mid Row Shanks II	Optional on 320 mm (12.6") spacing only - N/A for 72'	
Mid Row Shanks	Optional on 320 mm (12.6") spacing only - 72' Only	
Rear Tow Hitch	Standard	

Model	5810-32	5810-42	5810-52	5810-62	5810-72
No. of Sections	3	3	5	5	5 op./7 trans.
No. of Tyne Rows					
Without MRB	4	4	4	4	5
With MRB	3	3	3	3	4
Working Widths					
250 mm (9.8") Spacing	10.0 m (32'8")	13.0 m (42'6")	15.9 m (52'3")	18.9 m (62'1")	21.9 m (71'10")
320 mm (12.6") Spacing	10.2 m (33'7")	12.8 m (42'0")	16.6 m (54'7")	19.2 m (63'0")	22.4 m (73'6")
Transport Width at Top	6.8 m (22'3")	6.8 m (22'3")	7.2 m (23'8")	7.3 m (24'0")	7.1 m (23'5")
Transport Height (max)	3.9 m (12'8")	5.3 m (17'6")	4.9 m (16'1")	5.5 m (17'11")	5.8 m (18'11")
Weights estimates only					
250 mm (9.8") Sp. w/ MRB	11,340 kg (25,000 lb)	12,815 kg (28,250 lb)	16,330 kg (36,000 lb)	18,370 kg (40,500 lb)	22,135 kg (48,800 lb)
250 mm (9.8") Sp. w/o MRB	10,206 kg (22,500 lb)	11,340 kg (25,000 lb)	14,515 kg (32,000 lb)	16,190 kg (35,700 lb)	19,640 kg (43,300 lb)
320 mm (12.6") Sp. w/ MRB	10,705 kg (23,600 lb)	11,790 kg (26,000 lb)	15,310 kg (33,750 lb)	17,305 kg (38,150 lb)	20,505 kg (45,200 lb)
320 mm (12.6") Sp. w/o MRB	9,798 kg (21,600 lb)	10,660 kg (23,500 lb)	13,835 kg (30,500 lb)	15,605 kg (34,400 lb)	18,415 kg (40,600 lb)
Row to Row Spacing	62 cm (24.5")				
Frame Depth		197 cm (77.5")	197 cm (77.5")	197 cm (77.5")	259 cm (102")
Castor to Packer Depth (working at 25 mm (1") of seeding depth)		404 cm (159")	404 cm (159")	404 cm (159")	478 cm (188")
Tyres					
Main Frame Castors	13.5L x 15FI-F	13.5L x 15FI-F	13.5L x 15FI-F	13.5L x 15FI-F	16.5L x 16.1FI-E
Inner Wing Castors (double-walking)	13.5L x 15FI-C				
Inner Wing Castors (double)	11L x 15FI-C	11L x 15FI-C	11L x 15FI-C	11L x 15FI-C	N/A
Outer Wing Castors (double-walking)	-	-	13.5L x 15FI-C	13.5L x 15FI-C	13.5L x 15FI-C
Outer Wing Castors (double)	-	-	11L x 15FI-C	11L x 15FI-C	N/A
Rear Transport Wheels	13.5L x 15FI-F				

*all weights & transport dimensions are estimates & are subject to change.

Every effort has been made to ensure that the information is accurate/current at the time of production.

For the latest product information check out our website at: www.bourgault.com

HI-FLOTATION (HF) RUNNING GEAR..... STAY AFLOAT



Hi-Flotation Design Feature Availability

MODEL	FULL HF	CENTRE HF ONLY
3320 PHD <small>(SE, QDA, XTC)</small>		
3320-60	Optional	Not Available
3320-66	Optional	Not Available
3320-76	Optional	Not Available
3320-80	Available on Tow Behind Air Seeders only	Standard
3320-86	Standard	Not Available
3720 ICD		
3720-60	Optional	Optional
3720-70	Optional	Standard



LARGE DIAMETER WHEELS
PREVENT BULLDOZING



LOW PRESSURE FOR A LARGE
FOOTPRINT HELPS YOU FLOAT
THROUGH WET SPOTS



EFFECTIVELY MANAGE
TURNS WITH HF's
WAGON-STYLE STEERING



Float above the competition with the Hi-Flotation (*HF*) design feature from Bourgault. Large, 800/65R32 main frame front tyres and 540/65R24 (*singles*) on the inner and outer wing castor wheels provide exceptional flotation through wet spots.

- ▶ The Centre Hi-Flotation option provides large 800/65R32 front tyres on the main frame.
- ▶ The Full Hi-Flotation option includes 540/65R24 single front tyres on the inner and outer wings, in addition to the 800/65R32 main frame front tyres.
- ▶ Transporting the drill on rough, wet, or narrow roads becomes far less of a challenge with the HF tyre option.
- ▶ The hydraulic assisted, wagon-style hitch on the HF option provides superior tracking both in the field and in transport when negotiating narrow back roads and approaches. The large diameter of the front wheels help keep the drill from diving in soft soils and reduces draft.



BOURGAULT

MID ROW BANDERS III OPTIMAL SEED TO FERTILISER PROXIMITY

MRB III

Available Option on:

Series 3320 Paralink Hoe
Drills (SE, QDA, XTC)
the 5810 AHD,
and the 3720 ICD.





MRB® IIIs are the most advanced and durable mid row banding system offered by Bourgault. The extensive use of well-engineered cast components, convenient depth adjustment, and hydraulic engagement means more time for you in the field seeding and less time spent adjusting or maintaining.

► The Benefits of MID ROW BANDING NITROGEN AND SULPHUR WHEN ONE-PASS SEEDING

ONE-PASS SEEDING

The goal behind one-pass seeding is to apply all of the seed and fertiliser requirements in a single operation without the seeding operation itself incurring risk to the potential crop thereby maximising yield potential.

Key factors to consider are:

Seedbed Integrity—never compromise seedbed quality for a one-pass seeding operation. Seeding systems that disturb the seedbed and leave a rough field finish typically struggle to place seed uniformly at the depth set by the operator. The quality of the seedbed is paramount to ensuring the best start for the crop.

Root Dominant Environment—key to establishing a strong and healthy crop stand is to foster a root dominant environment in the soil. The more that is understood and achieved to encourage an extensive root system, the better the chances are for the crop to take advantage of the nutrients available.



MRB III ASSEMBLY

- 1 Hydraulic Actuation
- 2 Double-Tapered Roller Bearing Hub
- 3 Parallel Link Arrangement
- 4 Maintenance-Free Coulters Arm Pivots
- 5 Long Wearing 521 mm Diameter Coulters
- 6 Strong & Durable Cast Components
- 7 Simple & Easy Depth Adjustment

CLOSER TRIP OR RETAINING WHEEL OPTION (A OR B)

The outside closer tyne (A) is designed to clean the outside of the coulters allowing it to cut a clean groove in the soil. The closer tyne holds some residue against the disk to help keep it clean. If you require less soil disturbance, the retaining wheel (B) utilises a torsion spring to provide downforce running alongside the disk, keeping it clean while holding down the soil adjacent to the groove made by the coulters.

Retaining Wheel (*option B*) is only available on the 3720 Independent Coulters Drill.

MRB III - Optimal Seed to Fertiliser Placement When One-Pass Seeding



HVB III - HYDRAULIC VARIABLE BREAKOUT..... DURABLE, INTELLIGENT DESIGN

HVBIII

HVB III Availability

▶ All Bourgault 8910 Series Cultivators.
(Models as listed in the 8910 Cultivator Section)

▶ All Bourgault 5810 Series Air Hoe Drills.
(Models as listed in the 5810 Series AHD Section)

The unique Bourgault Hydraulic Variable Breakout System has been acclaimed by Australian farmers far and wide as a robust trip control system. To match Australia's most challenging conditions, the HVBIII HD system has a maximum breakout force of up to 470 kg (*over 1,000 lb*). To meet this extra demand, the trip assemblies incorporate a strong tapered shank, heavy casting and trip pivot components, as well as, on average, a 15% increasing breakout force throughout the tripping action; this ensures the trip resumes its intended working position as soon as the obstruction has cleared.

The Bourgault Positive Venting Chamber (PVC) provides for clean and dry air to enter the top port of each cylinder during trip breakout action. This prevents harmful contaminants such as dust particles, chemicals and atmospheric moisture from entering the cylinder barrel.

The high-quality HVB cylinder is designed and manufactured specifically for the harsh agricultural climate. Each cylinder is manufactured and inspected to strict quality control. The front mounted cylinder is always retracted during normal operation, thereby protecting the chrome cylinder shaft from contamination and corrosion eliminating premature seal failures.

The clevis is equipped with a ball-socket where it attaches to the HVB Lower Casting to minimise any side loading on the end of the cylinder rod during the tripping action.



The base of the HVB cylinder is secured to the top of the trip tower with a machined pin, allowing the cylinder to move forward and back during operation.

Front mounted retracted cylinders operate with low oil volume, significantly reducing hose and manifold pressure spikes as well as maximising the efficient use of accumulator capacity.

The HVB casting assembly transfers the force from the ground-engaging tool and trip to the HVB cylinder. The two castings pivot about a 25 mm (1") diameter grade 8 bolt and nylatron bushing. This long-lasting design does not require greasing, and will provide many seasons of reliable service.

A heavy-duty 32 mm (1 1/4") x 51 mm (2") tapered trip reduces flexing and ensures years of trouble-free operation. As before, this Bourgault shank has the industry leading 5 year full replacement warranty against shank breakage.

On-the-Go HYDRAULIC CONTROL

Take unprecedented control of your seeding results with in-cab adjustment of the breakout force. Improve the consistency of your crop emergence and increase your efficiency by easily adjusting the machine to suit the conditions of each paddock from the seat of your tractor.

Penetration in TOUGH CONDITIONS

The HVBIII HD is rated to a maximum of 470 kg (1,000 lb) breakout force when operating at 11,000 kPa (1,600 psi) pressure. This provides you with massive penetration power when you are working in even the very hardest soils!



Setting the TRIP BREAKOUT FORCE



An HVB pressure gauge is mounted on the front rank of the frame. It is used for reference when setting the desired breakout force for the trips. Designed for low operating pressures, maximum breakout of 470 kg (1,036 lb) is achieved with 11 mPa (1,600 psi) system pressure protected by a system relief valve.

Setting the TRIP BREAKOUT FORCE



HVB hydraulic manifolds distribute the hydraulic pressure from the accumulator to each HVB cylinder. Hydraulic pressure is delivered to individual HVB cylinders via one-way flow restrictor adaptors that eliminate high impact recoil of the trip assembly after the ground engaging tool and trip has tripped over an object.

Setting the TRIP BREAKOUT FORCE



The main restrictor valve manages the flow to the valve making the setting of the breakout force easier. This is especially important for tractors with high-flow hydraulic systems.

The main restrictor valve also prevents the backflow of hydraulic oil, thereby maintaining the oil pressure without relying on tractor remotes.

Setting the TRIP BREAKOUT FORCE



The HVB system utilises a piston accumulator with a capacity of 20 litres. Each 3-section bar is equipped with one accumulator, and 5-section bars are equipped with 2 accumulators of equal capacity.

HVB_{III} Specifications

Operating Pressure Range	700 to 11,000 kPa (100 to 1,600 psi)
Operating Breakout Range	45 kg to 470 kg (100 lb to 1,000 lb)
Accumulator	20 litres x 1 (3-plex), 20 litres x 2 (5-plex)
Trip	32 mm x 50 mm (1¼" x 2") tapered trip
Clearance	686 mm (27") frame to ground & 279 mm (11") obstacle
Pressure Relief Valve	11,000 kPa max. (factory set)
Hydraulic Line Lock	1 per system
One-Way Flow Restrictors	1 per trip



7000 Series air seeders



7000 SERIES AIR SEEDERS MAXIMISE YOUR PRODUCTIVITY

Bourgault maintains a relentless focus on designing air seeders that maximise productivity and enhance convenience—our job is to make your job as efficient and effortless as possible.



The Bourgault 7000 Series air seeder is available in a range of sizes —with one to suit your seeding operation.



L7800



7700



7550



L7550

MODEL

28,191 l (800 bu) Ttl. Vol.
29,600 l (840 bu) W/ Saddle Tank

7,400 l (210 bu) Tank 1

1,762 l (50 bu) Tank 2

4,229 l (120 bu) Tank 3

2,643 l (75 bu)
non-metering FLEX bin

12,157 l (345 bu) Tank 4

1,410 l (40 bu) Optional Tank 5
Saddle Tank

24,667 l (700 bu) Ttl. Vol.
26,077 l (740 bu) W/ Saddle Tank

10,396 l (295 bu) Tank 1

2,114 l (60 bu)
non-metering FLEX bin

3,700 l (105 bu) Tank 2

1,057 l (30 bu) Tank 3

7,400 l (210 bu) Tank 4

1,410 l (40 bu) Optional Tank 5
Saddle Tank

19,381 l (550 bu) Ttl. Vol.
20,086 l (570 bu) W/ Saddle Tank

2,995 l (85 bu) Tank 1

8,281 l (235 bu) Tank 2

1,938 l (55 bu) Tank 3

-

6,167 l (175 bu) Tank 4

705 l (20 bu) Optional Tank 5
Saddle Tank

19,381 l (550 bu) Ttl. Vol.
20,085 l (570 bu) W/ Saddle Tank

2,995 l (85 bu) Tank 1

6,167 l (175 bu) Tank 2

1,938 l (55 bu) Tank 3

-

8,281 l (235 bu) Tank 4

705 l (20 bu) Optional Tank 5
Saddle Tank

Tank Volumes

Following are some of the main features of Bourgault 7000 Series air seeders; features that maintain Bourgault's position at the top of air seeder technology.



**Industry-Exclusive
INTEGRAL TANK DESIGN**

The patented KNEX integral tank system allows you to optimise your tank capacity resulting in added convenience and time saved in the field.



Below is an example of a common configuration:

7700 Model

EXAMPLE 1

Product	Tank Volumes	Volume in Litres	Rate kg/ha	Density t/m ³	Litres per Ha	Ha per Fill
Wheat	Tank 1	10,396	80	0.829	97	108
Phosphate	Tank 2, 3 + Flex Bin	6,871	60	1	60	115
Urea	Tank 4	7,400	50	0.7	71	104
	Tank 5 (optional)	1,410				

HOW IT WORKS.

The KNEX system allows all four main tanks to meter individually, or, several tanks can be combined to meter as one. A non-metering, FLEX bin further increases your ability to optimise distribution. Combine the contents of the FLEX bin with tank 1, or divert its contents to tank 2 in only a matter of minutes!

SADDLE TANK & PALLET STORAGE PLATFORM

Further your product carrying capacity and increase distribution flexibility with the optional 5th tank (*Saddle Tank*). The Saddle Tank makes seeding bagged product such as canola or granular inoculant as easy as possible. The capacity of the Saddle Tank is 1,410 l (40 bu) for the 7700 and L7800; 705 l (20 bu) for the 7550 and L7550.

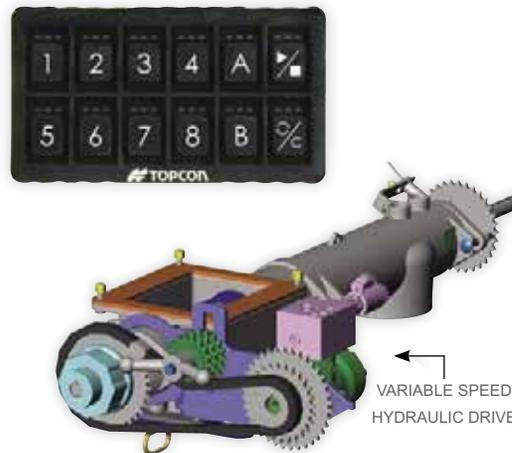
To minimise the time and effort it takes to collect bagged product from your truck, Bourgault has developed a pallet storage platform. This feature again increases efficiency and elevates convenience when time really counts!



The HYDRAULIC METER DRIVE

The 7000 series air seeders incorporate a hydraulic metering system capable of driving up to 5 metering augers. The hydraulic drive motors provide near instant rate changes maximizing the benefits of a variable rate seeding operation.

The on-tank control box allows you to select which tank you want to calibrate without going back to the tractor cab.



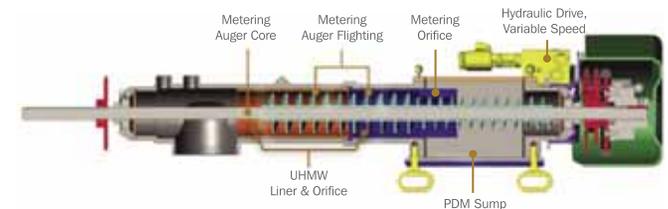
An Advanced Metering System—THE PDM PRO

Fundamental to the accurate metering of Bourgault air seeders is the PDM Pro.

The PDM Pro provides the highest degree of metering accuracy while still providing gentle seed handling.

To combat the issue of freshly treated seed or fertiliser sticking in humid conditions, the PDM Pro features a UHMW liner and orifice that minimises even these troublesome products from sticking to the inside of the housing.

Tank Cleanout - the PDM Pro auger meters to an amazingly low 1.7 l (7 cups) of product allowing you to efficiently seed expensive crops such as canola. When switching products simply remove the sump plate on the PDM Pro to direct content into the unload auger/conveyor or conveniently back into the bag it came from.



1 Large Tyres For INCREASED FLOTATION

Reducing compaction is important to ensure that germination and plant emergence is not impeded. When fully loaded, the L7800 can weigh up to 40,823 kg (90,000 lb) so compaction is kept down by the use of four large 850/80 R38 tyres. Each tyre provides a large footprint, especially when operating at an amazingly low 124 kPa (18 psi) inflation pressure. The combination of very large 2.3 m (90") diameter tyres and low ground pressure gives the L7800 very good flotation and minimises draft loads—key factors when operating a tank of this size.

2 Safe Access TO THE TOP PLATFORM

Despite their size, you will feel safe working on the 7000 series air seeders. The staircase is accessible from either side of the tank with secure hand rails and comfortable 61 cm (24") wide grated cast steps that minimise slipping even in muddy conditions. The wide tank top catwalk incorporates safety rails and slip-resistant grating beside and between each of the tank fill lids. The grating also allows loose product to fall through. The stairs are also made to break-away in case of ground contact.



Hydraulic Brake System

(Optional on 7700 air seeder, standard on L7800 air seeder.)



3 Two Fan Options TO MEET CAPACITY REQUIREMENTS



Today's larger seeding systems require a large volume of air for accurate and consistent product rates. Bourgault utilises a two fan product delivery system for double-shoot air kits to maximise efficiency, simplify settings, and to minimise any plugging problems.

Bourgault has additional fan options to match your drill width and target application rates:

The High-Speed Fan-- the high-speed fan allows increased fan speed (5,000-6,000 rpm) to boost application rates.

The High-Capacity Fan-- the high-capacity fan is a larger fan better matched to the air requirements of our largest drills.

Hydraulic Note: 19 mm (3/4") hydraulic tractor couplers are required to maximise the performance of the high-speed and high capacity fans.

4 Closely Monitor Product Levels AND REAR TRAFFIC

The 7000 Series comes standard with a stand-alone camera system and a 7" (18 cm) LCD screen. Each tank compartment is equipped with a separate camera to monitor product levels and a rear view camera allows you to watch for approaching vehicles when transporting from field to field.



5 Class A STRAIGHT THRU PRIMARY LINE

The Straight-Thru Primary Distribution design makes it easy for you to configure the Bourgault air seeder to match your needs for the given crop.

Bourgault Air Seeders can be outfitted for:

Single-Shoot—one primary distribution line is used for supplying the boots on the shanks with one or a combination of products. If mixing seed and fertiliser, a spread boot may be required to help reduce the danger of fertiliser damage.

Double-Shoot—two sets of primary distribution lines are used, one feeding seed shanks and one feeding a fertiliser application device such as MRBs. It is important to have a dedicated fan for each line in order to have proper air speed control.

Product from any metering auger can be directed to either primary line.



6 Load QUICKLY AND EFFECTIVELY

The 7700 air seeder is available with either a 25 cm (10") diameter conveyor with a 38 cm (15") belt, or a 30 cm (12") diameter deluxe auger. Both the conveyor and auger are controlled by a remote control. (As a precautionary measure, a manual backup control is located on the tank.) The L7800 air seeder is available with the 30 cm (12") diameter deluxe auger only; the 7550 and L7550 are available with a 25 cm (10") diameter deluxe auger only.



7700 air seeder with
auger option

Efficiently Fill Your 7000 series air seeder with the OPTIONAL BULK BOOM PRODUCT TRANSFER SYSTEM

The BulkBoom product transfer system makes light of transferring heavy bulk product.

When it comes time to get the seed in the ground, productivity is paramount. Efficiently filling the air seeder can be one of the biggest challenges when time is limited.

The Bulk Boom makes loading bulk bags of seed, fertiliser or inoculant both convenient and efficient.

EXTREME LIFTING CAPABILITY AND ARM SPAN

The Bulk Boom is designed to lift up to 1,089 kg (2,400 lb) from the ground or truck box, to the Saddle Tank or into tank 2 (on the L7800) in the main air seeder body. The boom can also reach the storage platform which allows you to carry an extra bulk bag between fills. Whether you prefer 500 kg (1,102 lb) mini-bulks, or 1,000 kg (2,204 lb) bulk bags or seed totes, Bourgault has you covered!

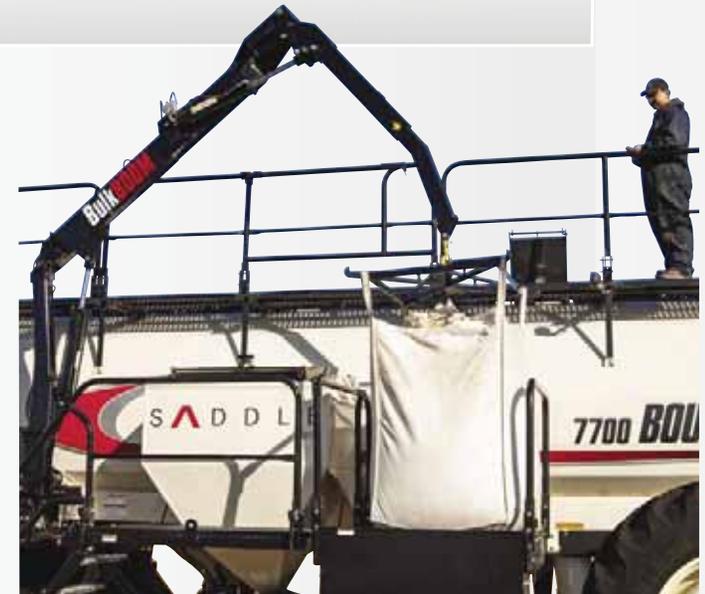
NO NEED FOR ADDITIONAL SUPPORTING EQUIPMENT

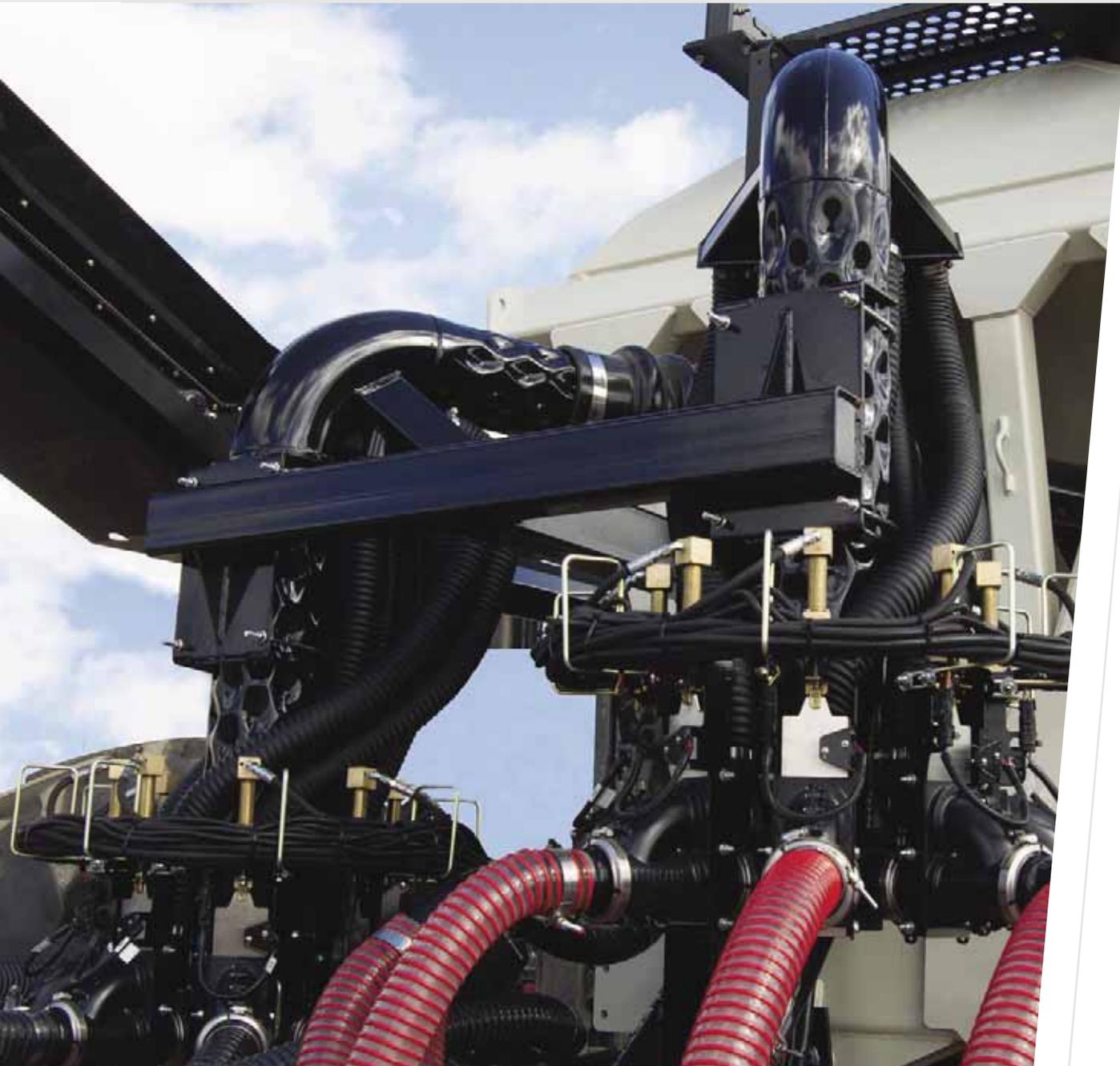
The Bulk Boom allows you to fill the Saddle Tank with bulk bags without having to worry about transporting a forklift to the field.

With the Bulk Boom's dedicated remote control, the operator can manoeuvre the Bulk Boom while another user controls the auger or conveyor on the other side of the machine. If man power is limited, both remotes can be operated from the top of the tank while maintaining visibility of both sides.

The Bulk Boom option is available on the 7700 and Leading 7800 air seeders.

(The Bourgault BagLift System is also an available option for loading bagged product quickly and efficiently. Note: the BagLift system is not compatible with the Saddle Tank.)

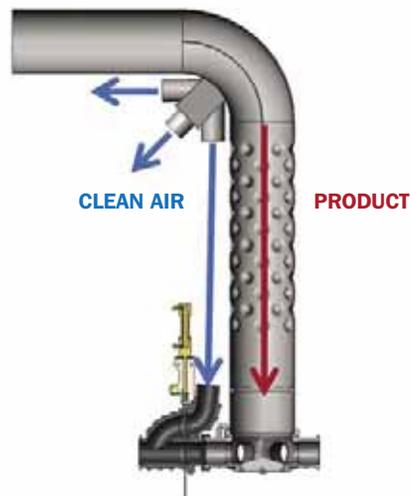




Reduce input costs with Auto Section Control (ASC). The ASC system is designed to work with the Topcon X30 Seed Rate Controller (SRC) to manage product distribution across the drill when it overlaps a seeded section of the field.

When ASC senses a seeding overlap the system shuts product flow off to one or more secondary manifolds, yet maintains the set product rate and velocity to the remaining open secondary manifolds. The “clean air” return system diverts clean air (*no product*) into the secondary line when product for that line is shut off. Not only is the air velocity maintained, but any remaining product is purged from that section, preventing possible blockages.

▶ How ASC Works



- Product flows through primary elbow:
- ▶ Product follows outside radius of elbow,
 - ▶ Clean air (*free from product*) is allowed to exit via the clean air plenum when the product flow is blocked.

Hydraulic Supply - ASC is hydraulically actuated off of fan #1 hydraulic circuit.

▶ The Knife-Style Valve



Seeding Position:

- ▶ Cylinder is extended,
- ▶ Product flow open,
- ▶ Clean air blocked

■ CLEAN AIR ■ PRODUCT



Closed Position:

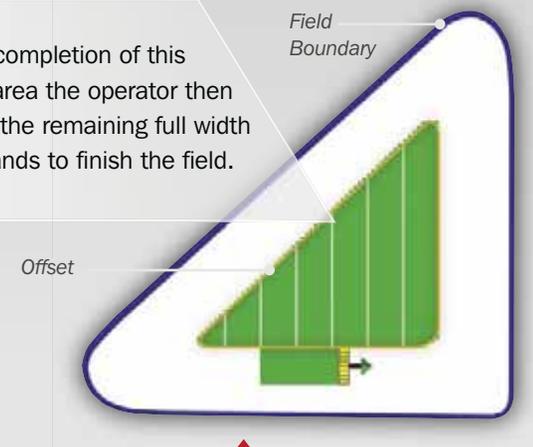
- ▶ Cylinder retracted,
- ▶ Product flow blocked,
- ▶ Clean air open

Number of Sections - ASC is capable of controlling 6, 8, or 10 drill sections, depending on drill size and spacing.

▶ Headland Manager

Seeding the headlands last is just a couple of button clicks away with a 7000 series Bourgault air seeder equipped with ASC.

Upon completion of this inner area the operator then seeds the remaining full width headlands to finish the field.



A predefined field boundary can be used or simply seed the outer headland first to create a field boundary.

So that the ASC system seeds within the inner area only, the X30 SRC can be set to offset this boundary with the desired number of headland passes (*i.e.* 2 or 3).

Additional information on the X30 and ASC is available on our website at: www.bourgault.com

Large, leading air seeders ensure minimum compaction.

The L7800 and L7550 air seeders offer all the versatility, reliability and durability of the 7000 Series tow behind models.



The hydraulic jack on the leading air seeders can easily be adjusted from the tractor cab using the remote.



7000 Series Air Seeders Specifications

MODEL	L7800	7700	7550	L7550
Total Tank Volume	28,191 l (800 bu) <i>29,600 l (840 bu) w/ Saddle Tank</i>	24,667 l (700 bu) <i>26,077 l (740 bu) w/ Saddle Tank</i>	19,381 l (550 bu) <i>20,085 l (570 bu) w/ Saddle Tank</i>	19,380 l (550 bu) <i>20,085 l (570 bu) w/ Saddle Tank</i>
Tank Volume	7,400 l (210 bu) Tank 1	10,396 l (295 bu) Tank 1	2,995 l (85 bu) Tank 1	2,995 l (85 bu) Tank 1
Tank Volume	1,762 l (50 bu) Tank 2	2,114 l (60 bu) non-metering FLEX bin	8,281 l (235 bu) Tank 2	6,167 l (175 bu) Tank 2
Tank Volume	4,229 l (120 bu) Tank 3	3,700 l (105 bu) Tank 2	1,938 l (55 bu) Tank 3	1,940 l (55 bu) Tank 3
Tank Volume	2,643 l (75 bu) non-metering FLEX bin	1,057 l (30 bu) Tank 3	-	-
Tank Volume	12,157 l (345 bu) Tank 4	7,400 l (210 bu) Tank 4	6,167 l (175 bu) Tank 4	8,281 l (235 bu) Tank 4
Tank Volume (optional Saddle Tank)	1,410 l (40 bu) Tank 5	1,410 l (40 bu) Tank 5	705 l (20 bu) Tank 5	705 l (20 bu) Tank 5
Overall Length	12 m (39'5")	13.6 m (44'9")	12.2 m (40'0")	11.0 m (36'0")
Transport Height	4 m (13'2")	3.8 m (12'4")	3.8 m (12'4")	3.8 m (12'4")
Field Height (top of raised handrail with tanks full)	4.9 m (15'11")	4.6 m (15'0")	4.6 m (15'0")	4.6 m (15'0")
Overall Width	6.2 m (20'3") (duals)	14'3" (singles) 20'1" (duals)	4.4 m (14'5") (singles) 5.5 m (18'1") (duals)	6.2 m (20'3") (duals)
Weight	12,927 kg (28,500 lb) (duals)	11,113 kg (24,500 lb) (singles)	9,070 kg (20,000 lb) (singles)	8,845 kg (19,500 lb) (duals)
Load/Unload Augers	30 cm (12") Auger	30 cm (12") Auger or 38 cm (15") Conveyor	25 cm (10") Auger	25 cm (10") Auger
Tyres	850/80R38 duals standard (124 kPa)	850/80R38 singles rear (117 kPa) & 710/70R42 singles front (117 kPa) 710/70R42 duals opt. rear (83 kPa)	900/60R32 singles rear (165.5 kPa) 28Lx26 singles front (117 kPa) 650/75R34 duals opt. rear (110 kPa)	800/65 R32 duals standard (110 kPa)
Scale	Standard	Optional	Optional	
Brakes	Standard	Optional	-	

General Specifications

Drive	Hydraulic Drive 17.8 cm (7") Straight-Thru Primary Line
Seed Rate Controller	X30 SRC - Standard on all 7000 Series air seeders, ISO - Apollo - Optional on all 7000 Series air seeders
Camera(s)	Standard on all 7000 Series a/s
Front Hitch	L7800 - Cat. 5, L7550 - Cat. 4
Auto Section Control	Available option on all 7000 Series air seeders.
Bulk Boom	Available on L7800, and 7700 Series air seeders as a factory or after market option (not available on the 7550 or L7550)

*all weights and transport dimensions are estimates and are subject to change.

Every effort has been made to ensure that the information is accurate/current at the time of production. For the latest product information check out our website at: www.bourgault.com



6000 Series air seeders

BOURGAULT

6000 SERIES AIR SEEDERS
ENGINEERING THAT WORKS FOR YOU



When you speak to current 6000 Series owners, they will tell you about compartment flexibility, simple and accurate metering, and other features that are convenient, time saving and increase productivity. Once you see what the 6000 Series can offer, you will agree it is the right air seeder for you.

MODEL



6550AU



6450AU



6350ST



6280ST

Tank Volumes

19,380 l (550 bu) Total Volume

5,814 l (165 bu) Tank 1

5,814 l (165 bu) Tank 2

7,752 l (220 bu) Tank 3

Trailing or Leading

15,860 l (450 bu) Total Volume

4,758 l (135 bu) Tank 1

4,758 l (135 bu) Tank 2

6,344 l (180 bu) Tank 3

Trailing or Leading

12,330 l (350 bu) Total Volume

4,932 l (140 bu) Tank 1

2,466 l (70 bu) Tank 2

4,932 l (140 bu) Tank 3

Trailing or Leading

9,870 l (280 bu) Total Volume

3,948 l (112 bu) Tank 1

5,922 l (168 bu) Tank 2

-

Trailing

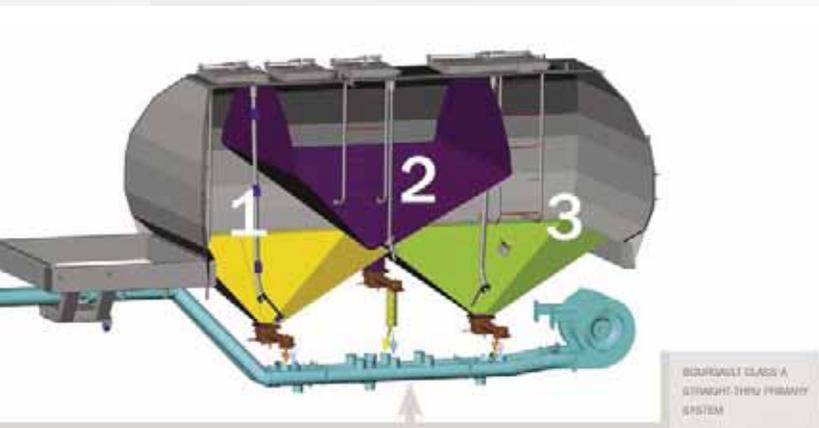
L6455 model also available by special factory order. Visit www.bourgault.com for specifications and information on the L6455.

▶ Industry-Leading TANK FLEXIBILITY

The patented Bourgault KNEX™ integral tank design provides unprecedented flexibility to farmers. Simply open or close the inter-connect ports between the three or four tank compartments for quick and simple tank reconfiguration. Regardless of the product combination, you can make the most efficient use of the tank volume to minimise the number of fills.

When the tank is set to the required rates, you have the ability to direct it to the desired air kit. The Bourgault Class A Straight-Thru Primary System offers the flexibility to meter product from any tank into any primary line.

Bourgault air seeder's flexibility is unmatched in the market, saving time and headaches each and every time you change products while seeding.



Configuration Example
Model 6450AU & 6550AU

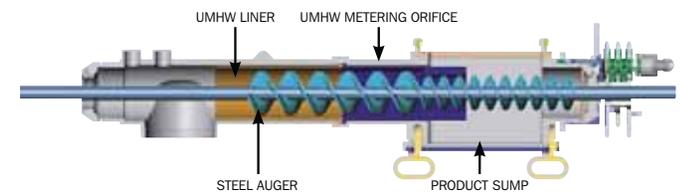
REQUIREMENT	CONFIG.	VOLUME SPLIT
3 Products		30% - 30% - 40%
2 Products	divert 2 into 1	60% - 40%
2 Products	divert 2 into 3	30% - 70%
1 Product	divert 2 into 1 & 3	100%

Whether you are seeding sorghum, lupins, wheat, or canola, you can make the most efficient use of the tank volume to minimise your number of fills.

▶ Accurate PRODUCT METERING

The PDM Pro metering system is the heart of 6000 Series air seeders. Plated steel metering augers are matched with machined UHMW poly lined orifices for accurate, consistent metering with low maintenance. The poly liner of the PDM Pro takes the successful PDM Plus to the next level by reducing the chances of sticky product buildup on the auger housing.

The PDM Pro auger draws product from a sump to ensure precise metering—even at low tank levels. The competitors' use of wide metering rolls may result in uneven product draw as product shifts or piles. The sump also allows for easy and complete tank clean out and metering auger inspection.



▶ Variable SPEED TRANSMISSION



Maintain precise metering rates with Bourgault's variable speed transmission. The variable speed transmission is:

- ▶ a ground driven metering system,
- ▶ infinitely adjustable allowing you to lock in the exact rate,
- ▶ is protected by a self-resetting torque limiting clutch.

In case of electrical problems, the variable speed transmissions can easily be converted to manual adjustment to ensure no downtime.

▶ In-Cab RATE ADJUSTMENT



The application rate can be adjusted for each metering auger at the push of a button from

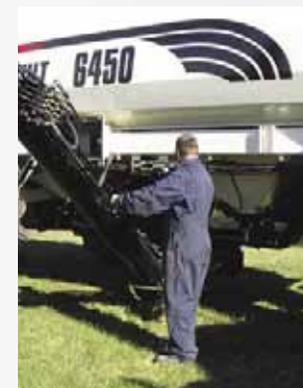
the tractor cab. An electric actuator mounted on each transmission remotely adjusts the rate setting when activated by the operator. A second control panel is located on the tank for convenient rate setting during calibration.

▶ Patented Hydraulic CALIBRATION SYSTEM



Obtain a product sample quickly and easily with the simple turn of a ball valve. The speed and ease of calibration allows you to obtain a larger sample for more accurate rate settings. Tune the speed of the hydraulic calibration drive to match seeding speed for enhanced precision.

▶ Quick and Easy TANK CLEANOUT



To clean out a Bourgault tank, simply remove the two bolts holding the sump plate and allow the product to neatly drop into the auger hopper.

► **Dual and High Speed FAN OPTIONS**



Today's larger seeding systems require a large volume of air for accurate and consistent product rates. Bourgault uses a two fan product delivery system for double-shoot air kits to maximise efficiency, simplify settings and to minimise any plugging problems.

If you are planning to apply high rates with larger drills, Bourgault has the High-Speed fan option. *(Hydraulic Note: 19 mm (3/4") hydraulic tractor couplers are recommended.)*

► **Optional Bag LIFT SYSTEM** (6350 – 6550ST)



Don't strain yourself by lugging seed bags or calibration boxes up the tank stairs—simply hydraulically lift heavy bagged product to the top of the air seeder platform 113 kg (250 lb) capacity.

► **Reliable and Intuitive MONITORING SYSTEM**



The 591 Air Seeder Monitor provides instantaneous feedback on air seeder operations including fan speed,

application rate, bin levels, area sown and ground speed.

Upgrade to the X30 Apollo System for up to 6 product variable rate control, section control for NH₃ or liquid and for applied mapping. The ISO Apollo System is also an available option.

6000 Series Air Seeders Specifications

MODEL	6550AU L6550AU	6450AU L6450AU	6350 L6350	6280
Total Tank Volume	19,380 l (550 bu)	15,860 l (450 bu)	12,330 l (350 bu)	9,870 l (280 bu)
Tank 1 Volume	5,814 l (165 bu)	4,758 l (135 bu)	4,932 l (140 bu)	3,948 l (112 bu)
Tank 2 Volume	5,814 l (165 bu)	4,758 l (135 bu)	2,466 l (70 bu)	5,922 l (168 bu)
Tank 3 Volume	7,752 l (220 bu)	6,344 l (180 bu)	4,932 l (140 bu)	-
Transport Height	3.8 m (12'5")	3.8 m (12'5")	3.8 m (12'5")	3.7 m (12'2")
Field Height (Top of Handrail)	4.6 m (15'0")	4.6 m (15'0")	4.6 m (15'0")	4.3 m (14')
Overall Width (Singles)	4.2 m (13'9")	4.2 m (13'9")	4.2 m (13'9")	4.0 m (13'9")
Front to Rear Axle (Tow Only)	4.7 m (15'6")	4.7 m (15'6")	3.8 m (15'6")	3.8 m (12'6")

MODEL	6550AU	6450AU	6350ST	6280
	L6550AU	L6450AU	L6350ST	
Hitch Pin to Rear Tow Hitch Pin	9.9 m (32'7")	10 m (32'10")	9.1 m (29'10")	9.1 m (29'10")
Leading Units	9.2 m (30'2")	9.2 m (30'2")	8.3 m (27'3")	-
Weight Estimates Only	7,031 kg (15,500 lb)	6,350 kg (14,000 lb)	4,627 kg (10,200 lb)	4,627 kg (10,200 lb)
Max Hitch Load - Leading	3,900 kg (8,600 lb)	3,900 kg (8,600 lb)	3,400 kg (7,500 lb)	-
Front Tyre Spacing	1.5 m (5'0") <i>Optional 3.0 m available.</i>	1.5 m (5'0") <i>Optional 3.0 m available.</i>	1.5 m (5'0") <i>Optional 3.0 m available.</i>	1.5 m (5'0") <i>Optional 3.0 m available.</i>
Rear (Single)	3.3 m (10'10")	3.3 m (10'10")	3.3 m (10'10")*	3.3 m (10'10")**
Load/Unload Augers	25 cm (10") Dlx.	25 cm (10") Std./Dlx.	20 cm (8") Std.	20 cm (8") Std.
Loading Rates	85 bu/min***	2,467 l/min-2,995 l/min*** <i>(70/85 bu/min)*</i>	1,057 l/min (30 bu/min)***	1,057 l/min (30 bu/min)***
Tyre Options				
Front Axle (Tow Only)	540/65R24 R1-W Lug	540/65R24 R1-W Lug	19.5 x 24 Traction Lug	460/70R24
	-	-	540/65R24 R1-W Lug	-
Rear Axle (Singles)	900/60R32 R1-W Lug (Tow Only)	30.5L x 32 R1 Lug	520/85R38 R1 Lug	520/85R38 R1 Lug (Row Crop)
	-	900/60R32 R1-W Lug	30.5L x 32 R1 Lug	480/80R38 R1 Lug (Row Crop)
Rear Axle (Duals)	650/75R34 R1-W Lug	650/75R34 R1-W Lug	-	-

* AU Model: L6350ST is 3.3 m / 6350ST is 3 m on standard tyre package.

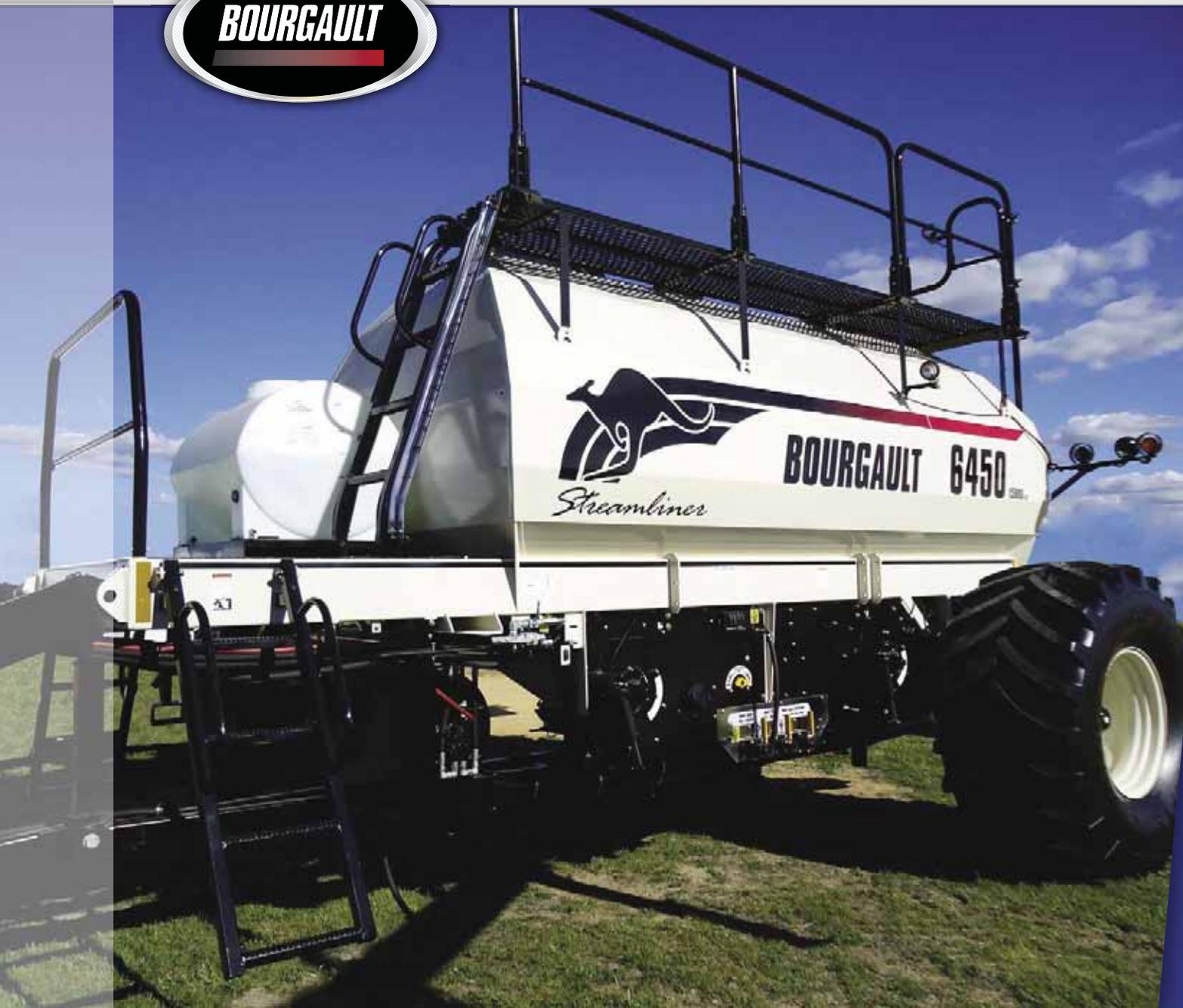
** AU 6280ST is 3 m rear track as standard.

*** Based on dry barley @ 48 lb/bu

The 2200 Air Seeder is also available. Visit: www.bourgault.com for information on the 2200.

Streamliner 6000 Series air seeders

BOURGAULT



6000 Series Streamliner air seeders are built around the legendary 6000AU series air seeders. The Streamliner features state of the art liquid capabilities and control without complication. Each Streamliner model features two tanks for dry, granular products, as well as one well-proportioned liquid tank for a complete streamlined all-in-one air seeder package.

Streamliner

The Streamliner's design, with its centrally positioned liquid tank, helps to provide optimum stability for the entire air seeder. The heavy-duty tank construction ensures that products with a high bulk density such as liquid nitrogen (which has a bulk density of 1:32 t/m³) is fully supported and



Mounted under the liquid tank, out of harm's way, is the tough and reliable John Blue pump. This pump is simple to set up and provides accurate, consistent flow for liquid distribution. The ground-driven pump features an electric clutch to engage and disengage the liquid application as desired. The pump has a motion speed sensor to inform the operator when the pump is running through the standard 6000 Series model 591 monitor. An optional X30 monitor provides a full colour touch screen display of all dry and liquid product monitoring as well as dry product control.



Convenient features such as a well-positioned, 250 litre increment sight gauge running up the side of the top platform access ladder provides the operator a clear view whether filling or seeding.



The standard 6000 Series air seeder hydraulic calibration system is also employed to calibrate the liquid flow rate easily when required. Another added benefit of this feature is that operators can draw clean water from a 500 litre clean water flush tank to rinse through the pump, distribution lines and nozzles when stationary. This feature is not only useful for checking the nozzles, maintaining pump and system cleanliness, but also prevents corrosive liquid fertiliser from dripping onto the seeding implement when the unit is folded for transport.

evenly distributed to all of the tyres. The liquid tank is lined with a 100% solid, spray-applied, rapid curing, polyurea coating that exhibits excellent chemical, impact and abrasion resistance, as well as elongation and tear strength.

The liquid fill docking station and tank top panels are made of 4 mm, grade 316, stainless steel for long life and corrosion resistance from spills. The easy to access docking station features 51 mm (2") ports for main tank fill and flush tank clean water fill. A high volume overflow port protects the unit during filling and allows excess product to be returned to a nurse tank.

For easy headland turning, all Streamliner models can be equipped with an optional auto clutch switch for automatic control of the air seeder. The switch is solid-state eliminating any possible dust contamination or wear issues. The proximity clutch switch is available for both the 591 Monitor and the X30 Seed Rate Controller system.

Specifications

Trailing/Leading Models	6450LIQ	6550LIQ
Total Tank Volume	15,600 l (443 bu)	19,060 l (541 bu)
#1 Tank Volume (Dry Product)	4,760 l (135 bu)	5,810 l (165 bu)
#2 Tank Volume (Wet Product)	4,500 l (128 bu)	5,500 l (156 bu)
#3 Tank Volume (Dry Product)	6,340 l (180 bu)	7,750 l (220 bu)

BOURGAULT

X30 APOLLO SYSTEM* LEADING EDGE CONTROL

Together, Bourgault and Topcon Precision Agriculture have developed the most flexible, accurate and responsive variable rate control system available on the market today. From the large 30.7 cm (12.1") screen, to the simultaneous multi-function capability, the X30 Apollo System makes your job easier while ensuring that input costs are minimised.



X30 Apollo | System

The X30's large color touch screen interface allows you to capture your current settings at a glance. Air seeder functions are customisable to suit your viewing needs. Switch view priority with ease by simply "dragging and dropping" or save customised screens and load the view you'd like to make as your priority—this functionality is available without having to switch back and forth between screens increasing overall convenience and efficiency!

"Mini-View" indicating current air seeder functions

Detailed graphics showing multi-section boom for up to 10 sections



Primary screen can be switched with ease by simply dragging and dropping desired priority.



Save custom screens to easily flip between displays. Custom screens save time by providing convenient access to essential information.

The X30 Screen

* the X30 Apollo System is an available option for all 2015 - 6000 and 7000 Series Air Seeders

The X30 Apollo System is designed to be a true hub for the complete functionality of your seeding system. Following are just a few examples from the extensive list of X30 capabilities:



▶ Products

VR Control of up to 6 products (fixed or variable) – factory configurations of up to 5 granular products plus a 6th (liquid or anhydrous).

▶ Variable Rate Control

A feedback loop ensures a fixed target rate is maintained, or gain an agronomic advantage by controlling a variable rate based off of a prescription map of up to 6 products.

▶ Tank Optimiser

The Tank Optimiser gives recommendations on unit setup based on products and rates in order to maximise hectares per fill.

▶ Multi-Tank Calibration

Collect large samples, regardless of product rate, for accurate calibrations by having remote control of each meter back at the air seeder.

▶ Job Export

Record and manage your day-to-day seeding operations with detailed reporting functions.

▶ Pre-Load Feature

This is a useful feature that starts applying product for a set time prior to the seeder moving forward---this eliminates seeding misses (available on 7000 Series air seeders only).

▶ Headland Manager

Allows you to seed headlands last for optimal emergence and gain benefits of ASC (see page 54 for additional information on ASC and Headland Manager).

▶ Coverage Maps

Integrate a GPS signal and display and record coverage maps for multiple products, along with individual sections (granular and liquid/anhydrous).



▶ Auto Section Control (ASC)

Using the coverage map, control individual sections of multiple products to minimise product application overlap.

▶ THE ISO APOLLO SYSTEM OPTION

▶ Remote Support	Using a cellular phone wi-fi connection, have remote support available from your dealership – let them see what you see!
▶ Master Clutch Control	Using the coverage map, automatically start and stop the air seeder accurately to ensure product is at the openers only when needed.
▶ Calibration Wizard	Calibration Wizard provides the operator with an easy to follow step by step guide for completing a multi-tank calibration.
▶ Head's-Up Dashboard	Heads-Up dashboard is customisable to view up to 8 air seeder functions with 3 viewable items per function.
▶ Master Clutch Status	The status of the master clutch is easily identified by color.
▶ Auto Steer	Add required components to an “Auto Steer Ready” tractor and connect the X30 for complete steering control.
▶ Quick Start Menu	The QuickStart menu allows the operator to access pre-set operations at a glance. A simple “tree” structured menu makes it easy to find and make changes.

The X30 Apollo System is a comprehensive seeding operating system. Detailed instructions and videos covering the set up and operation of the X30 Apollo System are available on the Bourgault website under: Monitor Training.



The ISO Apollo System is an ISO compatible display option for those operators who want a simplified solution for putting their seed in the ground.

ISO Apollo | System

The ISO Apollo System allows you to:

- ▶ meter up to 4 tanks with control rate capability (*while the ISO Apollo System controls to a target, it does not offer variable rate control capability*);
- ▶ conveniently store data for up to 16 products including calibration factors—this feature eliminates the need to have to tediously enter/re-enter existing product and calibration data saving you time when time really counts;
- ▶ easily calibrate from the frame or in-cab;
- ▶ easily upgrade from the ISO Apollo to the X30 Apollo System should you desire to; since both the ISO Apollo and the X30 Apollo share the same harnessing requirements, upgrading from one to the other is simple and efficient;

Different operators have different priorities—for some, maximum capability is the highest priority; for others, simplicity presents the best solution; this is why Bourgault offers different seed rate controller options to meet your individual requirements.

NOTE: the ISO Apollo System does not support Auto Section Control (ASC) capability.

BOURGAULT

8910 CULTIVATOR SEEDING AND TILLAGE VERSATILITY



No other seeding system can be set up for tillage, then reconfigured into an effective direct seeding system. The clean and simple floating hitch design, durable construction and superior residue flow characteristics have made this tool bar a mainstay throughout the small grain regions of Australia.

▶ **Outstanding
BOURGALT DURABILITY**

The 8910 frame features five ranks of 102 mm x 102 mm x 6 mm (4" x 4" x .250") wall tubing. These are connected with continuous members above and below the ranks, creating a deep profile for high strength and many years of trouble-free operation. Forces are transferred effectively throughout the frame to ensure uniform soil penetration and consistent seed placement, even in tough soils.



▶ **Configure Your 8910 for
DIRECT SEEDING**

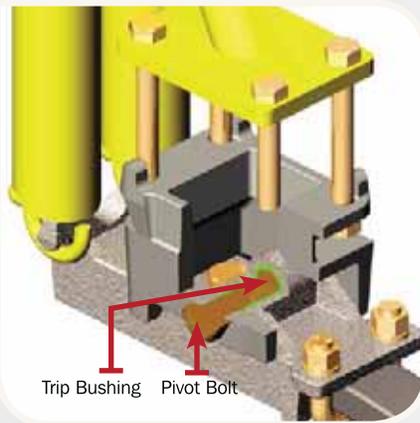
Equip with your choice of mounted packer wheel options, low-disturbance seed openers, and optional Series 25 Mid Row Banders for an effective one-pass seeding system. You have the ability to adjust the packing pressure of the on-row mounted

packer wheels with the Titan arms to suit the seeding conditions. The Culti-Drill configuration is equipped with heavy-duty packers that can be adjusted from 18 kg to 41 kg (40 lb to 90 lb) per wheel.



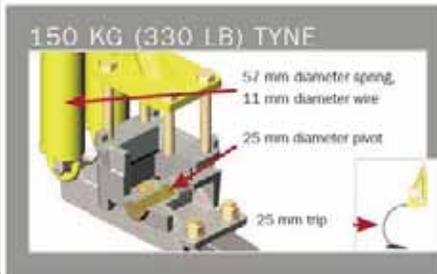
Versatile tillage and seeding unit

► Resilient
TYNE ASSEMBLY PIVOT



The Bourgault Spring Tyne Assembly features a 25 mm (1") diameter grade 8 pivot bolt and an extremely durable greaseless nylon bushing. The simple and durable design provides years of service with low maintenance.

Not only are Bourgault spring tyne assemblies more durable than the competition, you will appreciate the low cost of parts when maintenance is required.



Bourgault HVB Tyne -
Details on the HVB Tyne
found on page 42.

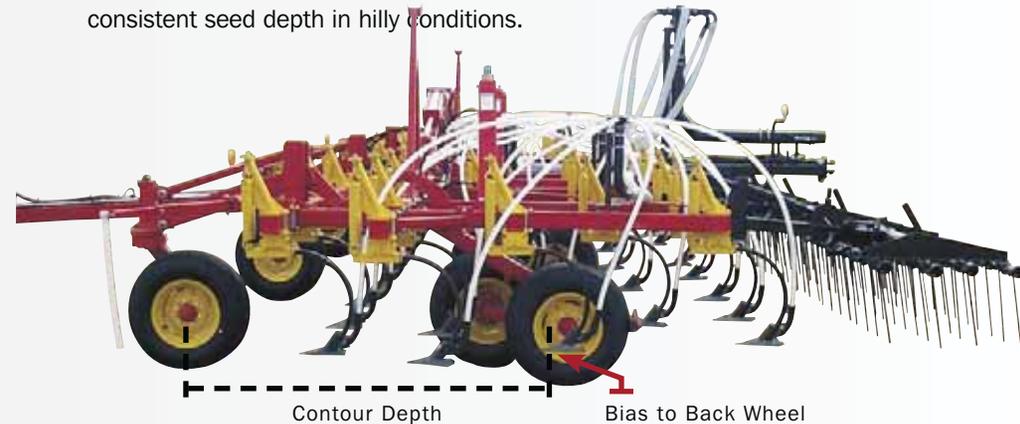
► The Bourgault Spring Tyne Assembly
A WIDE OPERATIONAL RANGE

The Bourgault Spring Tyne Assembly is designed for a wide operational range. Mount narrow knives for a smooth, high quality seedbed, or sweeps for cultivation and weed kill. Choose from a wide variety of bolt-on or quick-change seed knives, spoon openers, vertical openers and spread tip openers.

► Superior
RUNNING GEAR DESIGN

The 8910 Cultivator incorporates walking in-frame running gear that is slightly biased to the back wheel. The front wheel will not have a tendency to “dip down” in wetter conditions, minimising your chances of getting stuck.

Field demonstrations have proven that the ability to follow field contours is primarily related to frame depth and wheel positioning. The in-frame running gear also minimises the distance to the front castor wheels, so you can achieve consistent seed depth in hilly conditions.



▶ Excellent RESIDUE CLEARANCE



The 8910 Cultivator provides excellent residue clearance with five rows of shanks. Special attention is given to clearance around the in-frame wheels of the implement, where plugging is typically most prevalent.

▶ Quick Set DEPTH CONTROL



The patented Quick Shift Depth Control makes single point depth control effective and easy. Simply slide the guide along the scale to the appropriate depth and lock. Set, check, and adjust your seeding depth in minutes!

▶ Level WITH EASE



Levelling locations are easily accessed. Wrenches are provided for side-to-side adjustment at the top of the depth control cylinders and front-to-back adjustment at the screw jack between the in-frame running gear and castor wheel.

▶ Precise DEPTH CONTROL



A precision line lock valve helps ensure that working depth never changes during operation. Bourgault's valve ensures any hydraulic leaks at the tractor are isolated from the cultivator.

▶ Dependable HYDRAULIC SYSTEM

Bourgault tillage units feature a high quality single-series depth control system and quality hydraulic components for accurate and consistent depth control and long service life.

Bourgault tillage units are designed with a single-series master-slave system to control the operating depth. This approach avoids the use of complex linkage systems that wear and stretch, dramatically affecting the depth control.

8910 Cultivator Specifications

Models	8910-30	8910-35	8910-11/15*	8910-48	8910-54	8910-70
No. of Sections	3	3	3	5	5	5
No. of Rows	5	5	5	5	5	5
Working Widths (in metres)						
203 mm (8") spacing	8.9, 9.8	10.6, 11 11.4, 11.8 12.2	11, 11.4, 11.8 12.2, 12.6, 13 13.4, 13.8, 14.2 14.6, 15	14.6, 15 15.4, 15.8	16.7, 17.1 17.5, 17.9 18.3	n/a
254 mm (10") spacing	9.1, 10.2	10.7, 11.2 11.7, 12.2	11.2, 11.7, 12.2 12.7, 13.2, 13.7 14.2, 14.7, 15.2	14.7, 15.2 15.7	16.8, 17.3 17.8, 18.3	20.3, 21.3
305 mm (12") spacing	9.1, 9.8	10.7, 11.3 11.9, 12.5	11, 11.6, 12.2 12.8, 13.4, 14 14.6, 15.2	14.6, 15.2 15.8	16.5, 17.1 17.7, 18.3	20.1, 21.3
Frame Widths (in metres)						
Main Frame	4.3	4.3	4.7	4.7	4.7	4.7
Inner Wing	2.4	3.2	3.2	2.7	3.4	4.7
Outer Wing				2.4	2.5	3.1

General Specifications

Wheel System Offset walking tandem axles under all frames.

Wheel Standards Walking Axles & Castors - triple-lip seals on 2,268 kg (5,000 lb) hubs / 48'-70' main frame walking axles - triple-lip seals on 2,722 kg (6,000 lb) hubs

Packer Options Optional poly-gang style, or poly-independent mounted packer wheels, or heavy-duty gang style 254 mm (10") spacing only

Mud Scrapers Optional fixed or spring-loaded style

Openers Quick-Change and Speed-Loc adaptors are optional. Refer to Bourgault Tillage Tools for optional openers.

Air Kits Single-Shoot, Double-Shoot and Granular Air Kits are available.

Tyne Mounted Harrows Optional 3 or 4 bar harrows.

Models	8910-30	8910-35	8910-11/15*	8910-48	8910-54	8910-70
--------	---------	---------	-------------	---------	---------	---------

Transport Width	5.8	5.8	6.2	7.6	7.9	7.8
Maximum Transport Height* <i>with C-frame extension</i>	4.1	5	5.4 6.4	4.4	5.4	6.2
Weights kg (estimates only) <i>Base unit configured with 204 kg double-spring tyres.</i>						
203 mm spacing with C-frame extension	5,261	5,942	6,441 7,166	8,845	9,752	n/a
254 mm spacing with C-frame extension	4,989	5,533	6,123 6,758	8,436	8,981	10,115
305 mm spacing with C-frame extension	4,808	5,352	5,851 6,395	7,983	8,663	9,661
Tyres						
Main Frame	11L-15FI(4)	11L-15FI(4)	11L-15FI(4),	12.5-15FI(4)	12.5-15FI(4)	12.5-15FI(4)
Inner Wing	11L-15FI(4)	11L-15FI(4)	11L-15FI(4)	11L-15FI(4)	11L-15FI(4)	11L-15FI(4)
Outer Wing				11L-15FI(4)	11L-15FI(4)	11L-15FI(4)
Main Frame Castors	11L-15FI(2)	11L-15FI(2)	11L-15FI(2)	11L-15FI(2)	11L-15FI (2)	12.5-15FI(2)
Inner Wing Castors	11L-15FI(2)	11L-15FI(2)	11L-15FI(2)	11L-15FI(2)	11L-15FI(2)	11L-15FI(2)
Outer Wing Castors				11L-15FI (2)	11L-15FI (2)	11L-15FI (2)

Notes
*Maximum height will vary with the type of openers/sweeps on shanks

Contour Depth 2.18 m (7'2") between the castor wheels and the walking axle pivot

Depth Control Hydraulic series rephasing cylinders, "Quick-Shift" depth control, Variable Depth/Precision Control Valve

Mid Row Banders Optional with NH3, dry or liquid fertiliser tubes [not available on 21.3 m (70') units]

Clearance

Frame to Ground	686 mm (27")
Obstacle	279 mm (11")
Row to Row Spacing	635 mm (25") min.

Row Shank Spacing

203 mm (8") Spacing	813 mm (32") min.
254 mm (10") Spacing	1,016 mm (40") min.
305 mm (12") Spacing	914 mm (36") min.



BOURGAULT

9400 FLOATING HITCH CHISEL PLOW..... EFFECTIVE FOR DEEP TILLAGE

The Bourgault 9400 CP is designed to be the cleanest, most effective floating hitch chisel plow on the market. The solid frame design allows you to achieve even and effective ground penetration in the hardest soils.

9400 Floating Hitch Chisel Plow Specifications

MODEL	9400-46	9400-54
No. of Sections	5	5
Working Widths	14 m, 15.24 m (46', 50')	16.46 m, 18.29 m (54', 60')
Transport Width	7.47 m (24'6")	8.08 m (26'6")
Transport Height	5 m (16'5")	5.11 m (16'9")
Frame Depth	2.72 m (8'11")	2.72 m (8'11")
Weights (base unit)		
227 kg (500 lb) tynes	7,950 kg (17,530 lb)	8,613 kg (18,990 lb)
272 kg (600 lb) tynes	8,695 kg (19,100 lb)	9,452 kg (20,840 lb)
Tyres	9.5Lx15FI and 11Lx15FI (based on unit size and wheel location)	

For further information on the 9400 FHCP available at: www.bourgault.com.

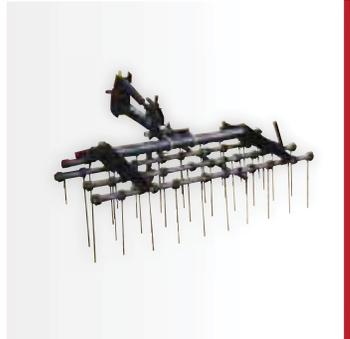
The 9800 Rigid Hitch Chisel Plow is also available for extreme tillage. Further information is available at: www.bourgault.com.

▶ Tillage Options for Bourgault 8910 Cultivators, 9400 FHCPs and 9800 RHCPs.

▶ The Titan Quick Detach Arm



Bourgault Titan Quick-Detach Arms are designed for quick and easy attachment, or interchange of mounted harrows and packers to accomplish various operations with the same unit. You can manually adjust the downforce on each arm and the two-stage spring arrangement ensures the set downforce remains constant regardless of the mounted option.



▶ Mounted Tyne Harrows

Mounted tyne harrows allow you to break lumps and/or lightly seal the seedbed in a seeding operation. Five different tyne settings allow you to set the angle to match your operation and conditions.

- ▶ Four Bar Harrows feature 11 mm x 406 mm ($7/16$ " x 16") long tynes on a 51 mm (2") overall spacing.
- ▶ Three Bar Heavy-Duty Harrows provide 13 mm x 58 mm ($1/2$ " x 20") long tynes on a 67 mm ($2^{5/8}$ ") overall spacing.

Note: Three bar heavy-duty harrows, four bar harrows, & mounted packers can be interchanged.



▶ Gang-Style Poly Mounted Packers

Gang style poly-packers are ideal for 8910 or 9400 seeding systems where moderate packing is required for breaking soil lumps and sealing the seedbed. The 58 mm (20") diameter durable polyethylene packers are mounted on a 25 mm (1") shaft and heavy-duty pillow block bearings.



▶ Independent Poly Mounted Packers

Independent poly-packers provide even packing behind your 8910 or 9400. Each wheel is mounted on a gang with its own spring cushion and sealed ball bearings. Independent movement on each wheel ensures more uniform packing for a more consistent crop emergence.



▶ Heavy-Duty Mounted Packers

Achieve near-drill like packing results with your 254 mm (10") spaced 8910 seeding system. The 559 mm (22") diameter packers are available in 57 mm ($2^{1/4}$ ") and 89 mm ($3^{1/2}$ ") steel, 51 mm (2") and 76 mm (3") semi-pneumatic and 140 mm ($5^{1/2}$ ") wide pneumatic wheels.

Mid Row Banders, or a weight kit is required to offset the weight of the packers.

Bourgault Seeding Systems

DRILLS



▶ 3320 Paralink™ Hoe Drill



The 3320 Paralink™ Hoe Drill is available in: Standard Edition (SE), Quick Depth Adjust (QDA) and eXtra Terrain Contouring (XTC). With three models to choose between there is one to meet your individual requirements.



▶ 3720 Independent Coulter Drill

Available in sizes up to 70', the new 3720 Independent Coulter Drill provides increased productivity without compromising seedbed integrity.



▶ 5810 Air Hoe Drill

The 5810 Air Hoe Drill features the proven Bourgault trip assembly. This simple, yet durable spring trip is available in 330 lb, heavy duty 450 lb or HVB options.

Mid Row Banders optimally place your Nitrogen and Sulphur fertilisers mid row to avoid the risk of fertiliser burn, as well as to maintain your seedbed integrity. The MRB III option is available for all Bourgault drills.



AIR SEEDERS



▶ 7000 Series air seeders

Available in sizes up to 29,600 litres (with optional Saddle Tank), 7000 Series air seeders provide unsurpassed product efficiency with design features that increase both productivity and convenience.



▶ 6000 Series air seeders

Available in a range of sizes from 9,870 l to 19,380 l, the Bourgault 6000 Series air seeders present both size and configuration options for your operation.

As an economical alternative, the 2200 air seeder is also available. Visit: www.bourgault.com for additional information.

3-Year Limited Warranty Repair Period and Remedies

Bourgault will repair or replace, at its option, without charge for parts or labour, any defective part of the equipment for a period of twelve (12) months from delivery to the first retail purchaser.

Bourgault will repair or replace, at its option, without charge for parts, any Bourgault Manufactured Part that is found to be defective for the period of thirteen (13) months to twenty-four (24) months from delivery to the first retail purchaser.

Bourgault will repair or replace, at its option, for a charge of 50% of the parts, any Bourgault Manufactured Part that is found to be defective for the period of twenty-five (25) months to thirty-six (36) months from delivery to the first retail purchaser.

NOTE: A Bourgault Manufactured Part is any part which has been manufactured by Bourgault Industries. Parts purchased from an outside supplier are not considered to be manufactured by Bourgault. Purchased parts would include monitors, hydraulic cylinders, sprayer pumps, bearings, fasteners, etc. Any parts that are covered by an Extended Warranty published by Bourgault are an exception to the Basic Policy and are to be warranted as per the details of the Extended Warranty document. The extended warranty policy may change from time to time without prior notice from Bourgault.

Extended Warranty

BOLT-ON CULTIVATOR & PARALINK HOE DRILL SHANKS are warranted 100% against breakage for five (5) years from date of machine delivery to the first retail customer. Breakage after the fifth year will be covered at 50% warranty. Shanks are not warranted against bending; however, a bent shank policy is in place to cover bent shanks at 50% warranty for the life of the machine to the original owner, excluding contractors. All replacement shanks are warranted as per original delivery date of the machine to the first retail customer only. Note: this extension does not include the Paralink trailing arm assembly or seed opener.

Bourgault's Commitment to Quality

Our mission is to design, manufacture and distribute the highest quality, most durable and reliable farm equipment in the world, that is affordable and meets or exceeds the expectations of our most demanding customers.

Bourgault Care Package...

Bourgault offers a complementary "care package" containing equipment specific parts. This care package is especially beneficial for those farmers who farm in isolated locations far away from their local dealer.

(Australian Head Office)

Box 696, Armadale, WA 6992

Ph: 08-9399-9700

Street address: 16 Eliot Road

Armadale, WA 6112

Australian Sales Inquiries:

salesaustralia@bourgault.com

(Bourgault Industries Ltd.)

Corporate Headquarters

Box 39, 500 Highway 368 North

St. Brieux, SK Canada S0K 3V0

For a complete Bourgault dealer listing visit: www.bourgault.com

Every effort has been made to produce this catalogue with the most current information possible. However, ongoing product development and improvements mean that the equipment and specifications are subject to change without notice. Equipment subject to local availability. Please contact your Bourgault representative for additional information.

YOUR LOCAL PROFESSIONAL BOURGAULT DEALER:



PURSUING PERFECTION

