





Infinitely adjustable depth control via the handle allows precise setting of the seeding depth which can then be locked in position in work.

Parallel links - a robust maintenance free parallel linkage design allows the entire row to float and maintain constant contact with the ground



Weight take-off spring allows the weight of the unit to be reduced especially useful when working on softer ridges or beds





Designed to give uniformity of

to ensure regular and even

seed depth and seed soil contact

germination in all soil conditions.

Seed coverer's are
either via a metal arm or
drag chain system and
adjustable to move the
right amount of soil back
over the seed prior to the
rear row unit wheels

Double sided chassis houses front and rear wheels which pivot around the metering unit bracket to control the depth of the row while distributing weight evenly between the front and rear wheel

Coulters - a range of coulters to suit a wide variety of soil conditions and planting patterns for optimum seed placement.



Reliable and simple chain drive system to the metering unit



Clod Deflector (not shown) - an optional floating clod deflector in front of the front wheel is available to move larger clods or stones out of the row prior to the front wheel and is available in two width options 150mm or 190mm.



Ability to latch unit out of work when required.

The front and rear wheels, equipped with scraper kits to keep the wheels clean, control the row unit depth and consolidate the row for optimal seed germination conditions.



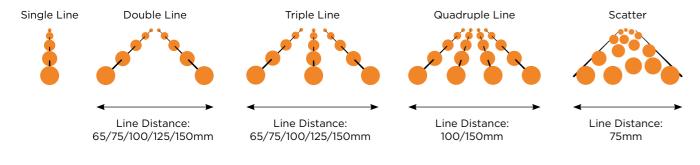
Seed Press Wheels – a range of rubber tyre seed press wheels ensure optimum seed to soil contact in advance of the soil coverer's

PLANTING LAYOUTS

The machines can be specified for any number of different types of planting either in flat field conditions or on ridges and beds. Each row can be specified to

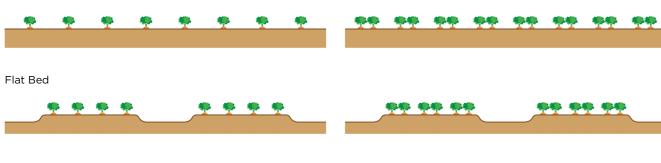
achieve a wide variety of different planting patterns.

ROW UNIT POSSIBILITIES



MACHINE LAYOUT POSSIBILITIES

Flat Soil



High Bed



Ridges











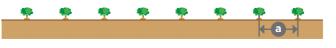
KEY LAYOUT TERMINOLOGY



NUMBER OF ROWS / NUMBER OF LINES

8 Rows, 1 Line Per Row

3 Rows Per Bed, 2 Lines Per Row

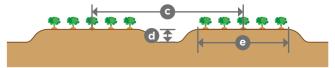




RIDGE DIMENSIONS

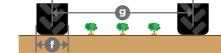
BED DIMENSIONS

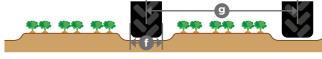




WHEEL TRACK / WIDTH

The wheel units can be adjusted in height to enable planting on flat ground or on beds/ridges. PLEASE NOTE: Minimum row width is determined by the wheel options chosen.







KEY

- a Row Distance
- Line Distance
- Bed/Ridge Distance
- Bed/Ridge Height
- Bed/Ridge Top Width
- - Track Width

THE METERING UNIT **AND OPTIONS**

The industry leading Stanhay small seed vacuum metering unit has been continually developed and improved over the last 30 years to give unmatched versatility and performance in the field.

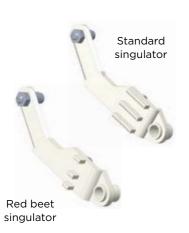
The only system currently available capable of distributing 1, 2, 3 or 4 lines of seed from a single metering unit.

[1] SEED DISCS

Thin seed discs flex to give a perfect air tight seal and consistent seed pickup while reducing the chance of seeds sticking in seed holes (see pages 8 & 9 for more).

[3] SINGULATORS

Simple design to enable precise singulation of up to 4 lines of seed with one cam adjustment, they also feature a simple calibration adjustment. They ensure all metering units perform the same on the same singulation setting. Various versions are available for different seed types.



[2] GALLERY BLOCK

A hard wearing plastic moulding that directs vacuum and pressure to exactly where they are needed for high quality seed pickup and disc cleanout after the seed release. Easily replaced when required.



Standard gallery block



Hard wearing gallery block





[4] AGITATORS

Easily adjustable agitator system to ensure seed keeps flowing and does not bridge. They are easily replaced and adjustable to suit any seed type.







Standard agitator

Raw parsnip agitator



agitator

SPLITTERS

Precise guidance of each line of seed from release on the disc to the coulters. Optimised versions are available for particular seed types like red beet.





Standard seed splitter

4 line seed splitter

Red beet seed splitter

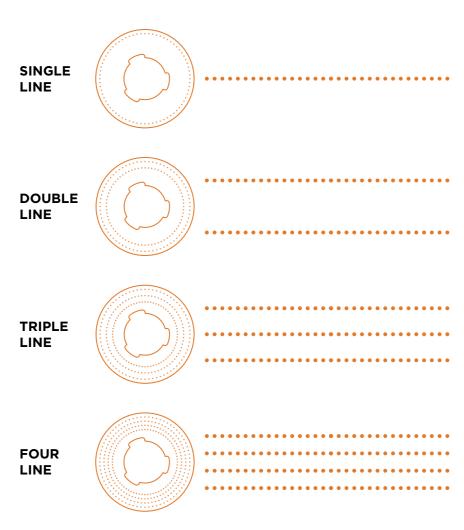
The selection of the correct seed disc is vital to ensure hole size matches the seed type and size; the number of holes in the disc and the number of lines planted per row.

An example of disc terminology is: 0.6x96x3L or 0.8x96/96/96

THE METERING UNIT SEED DISCS

The Stanhay thin seed disc flexes to form a perfect seal and ensures high air velocity around the hole for excellent seed pickup while minimising the opportunity for holes to become blocked. Seed discs are available in a huge range of configurations to suit every seed type and seeding system.

The only system currently available capable of distributing 1, 2, 3 or 4 lines of seed from a single metering unit.



Just some of the seeds you can handle are listed below:

Alfalfa
Anise
Aramanthus
Asparagus
Balm
Basil
Borage
Brassicas
Broccoli
Cabbage
Cantaloupe
Caraway
Carrot
Carthamus
Cauliflower
Celery
Chervil
Chicory
Chives
Chrysanthemus
Coriander
Courgette
Cucumber
Cumin
Delphinium
Dill

Delphinium Dill Fennel Fenugreek Helichrysum Larkspur

Lettuce Marjoram

> Mustard Nigella Black Pod

Nigella Oreintalis Oilseed Rape Onion

Paprika Parsley

Parsnip Peas

Pepper Pinus Radiata

Radish Red Beet

Sage

Sorrel Sova

Sugarbeet

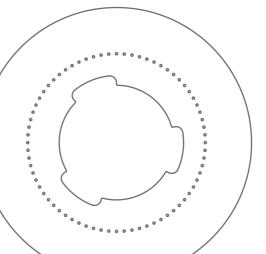
Sweet Corn Sweet Willian

Thyme Tomato Turnip

Watermel Wheat

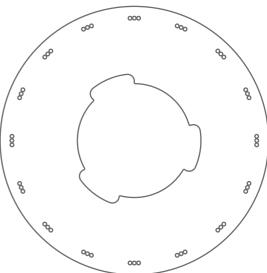
NON-STANDARD SEED DISCS





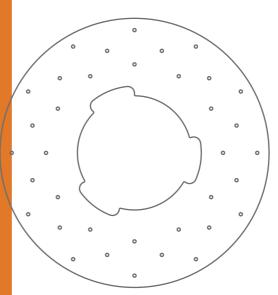
INSIDE LINE DISCS

These allow a single line of seed to be planted with a triple line coulter only by changing the seed disc.



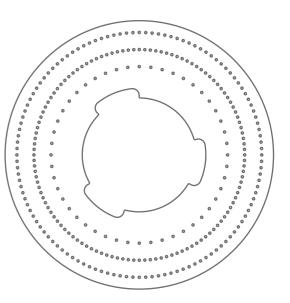
GROUP DISCS

These allow 2 or 3 seeds to be planted at a station, suitable for particularly high value crops where the growers want to ensure 1 plant per station and will thin the crop post germination.



STAGGERED DISCS

Allow seeds to be placed into the ground in a staggered pattern rather than in-line

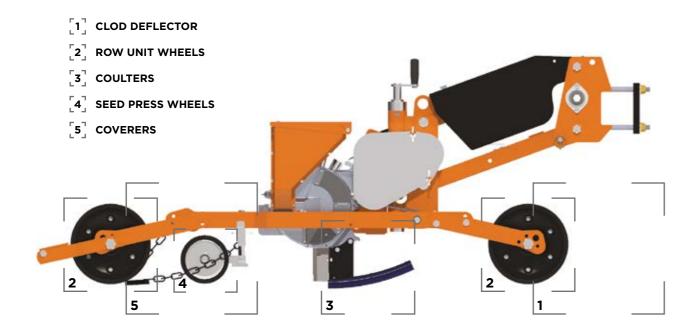


VARIABLE RATE DISCS

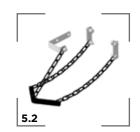
Allows a different rate of seed to be applied in each line of seed from the metering unit, commonly used by root crop growers to apply a lower rate of seed on the middle line of a 3 line setup.

ROW UNIT OPTIONS





























ADI	DITIONAL OPTIONS	Description	Width (mm)
1.1	Clod Deflector	Floating clod deflector to clear row ahead of front wheel	150 190

RO	W UNIT WHEELS	Description	Width (mm)
2.1	Cage Wheel	For use on soil prone to capping. Leaves a broken surface on the seed bed. Rubber scraper kit included.	120 160 200
2.2	Stainless Steel	Recommended for general purpose drilling work. Leaves a flat surface behind the drill. Plastic scraper kit included.	120 160 200
2.3	ZP	Convex shaped zero pressure rubber wheel. Suitable for single line work and stickier soil conditions. Metal scraper kit included.	100
2.4	FZP	Flat square edged zero pressure wheel suitable for multiline planting in sticky conditions. Metal scraper kit included.	145 170 200
2.5	LZP	Large diameter, self cleaning treaded zero pressure wheel suitable for multiline planting. Leaves a treaded pattern behind to prevent capping.	165

SEED PRESS WHEELS		Description	Width (mm)	
4.1	Zero Pressure Single Line			
4.2	Zero Pressure Double Line	Individual self cleaning, zero pressure wheel that follows each coulter furrow. Not available for line widths of 125mm and over.	20	
4.3	Zero Pressure Triple Line			

COVERER TYPES		Description	Width (mm)	
5.1	Arm	1 or 2 adjustable sprung loaded arms cover the seed furrow.	-	
5.2	Drag	Simple chain and V shaped profile.	190 300	

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ROW UNIT COULTERS



SINGLE LINE		Description		
3.1	Single Line Universal Cast Tip	Replaceable cast tip. Stainless steel side plates. Recommended for general purpose work.		
3.2	Single Line Universal Ceramic Tip	Replaceable ceramic tip. Stainless steel side plates. Hard wearing. Recommended for sticky and/or abrasive soils.		
3.3	Single Line Hyline Ski	Replaceable polymer base with replaceable polymer or cast rib. Polymer rib is best suited to sticky and/or trashy non-abrasive soils while the cast rib is better suited where the soil is more abrasive. Ribs are 20mm deep as standard but up to two optional 6mm packing ribs can be fitted to increase seeding depth.		
3.4	Single Line Loline Ski	Replaceable polymer base with replaceable polymer or cast rib. Polymer rib is best suited to sticky and/or trashy non-abrasive soils while the cast rib is better suited where the soil is more abrasive. Ribs are 20mm deep as standard but up to two optional 6mm packing ribs can be fitted to increase seeding depth.		
NOTE	E: Single line coulte	rs can be fitted to chassis in Hyline configuration using Hyline Adaptor for single line shoes.		

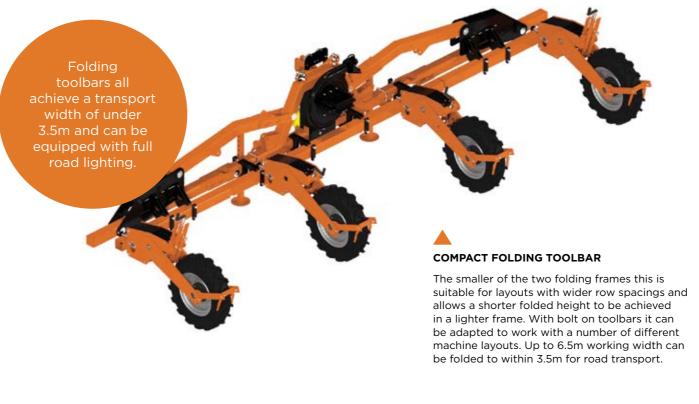


MUL	TILINE	Description	Width (mm)
3.5	Loline Shallow Fin	Replaceable cast base. Recommended for fine, cloddy or stony seedbeds: (for use where hyline chassis configuration is not achievable).	2 Line: 65/75mm 3 Line: 65/75mm
3.6	Hyline Deep Fin	Replaceable cast base. Recommended for fine clean seedbeds: (deep fin shoes produce minimum soil disturbance).	2 Line: 75/100/125mm 3 Line: 75/100/125/150mm
3.7	Hyline Shallow Fin	Replaceable cast base. Recommended for cloddy and/or stony seedbeds: (shallow fin shoes can handle stones and clods without blocking).	2 Line: 65/75mm 3 Line: 65/75/100mm
3.8	Multiline Hyline Ski	Replaceable polymer base with replaceable polymer or cast rib. Polymer rib is best suited to sticky and/or trashy non-abrasive soils while the cast rib is better suited where the soil is more abrasive. Ribs are 20mm deep as standard but up to two optional 6mm packing ribs can be fitted to increase seeding depth.	2 Line: 65/75/100/125/150mm 3 Line: 65/75/100/125/150mm 4 Line: 100/125/150mm
3.9	Multiline Loline Ski	Replaceable polymer base with replaceable polymer or cast rib. Polymer rib is best suited to sticky and/or trashy non-abrasive soils while the cast rib is better suited where the soil is more abrasive. Ribs are 20mm deep as standard but up to two optional 6mm packing ribs can be fitted to increase seeding depth.	2 Line: 75mm 3 Line: 75mm
3.10	Knife Coulter	Single furrow multiline coulter capable of either dropping seed in controlled lines or with a scattered pattern	2 Line: 75mm 3 Line: 75mm Scatter: 75mm

2

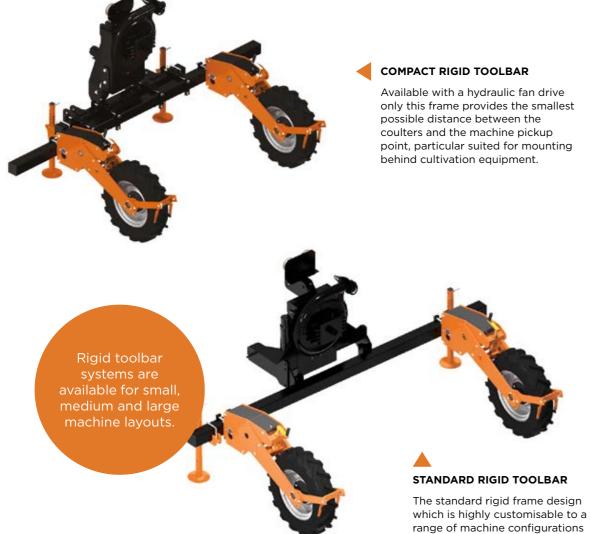
DRILL TOOLBARS

Stanhay can provide a range of different toolbars to suit a huge range of machine layouts whether it be rigid, folding or designed to fit behind other cultivation equipment. Frames are available from the smallest 2 row machines up to over 20 rows with working widths from 2m to 6m+. All frames can be completed with road lighting kits.





STARPLUS









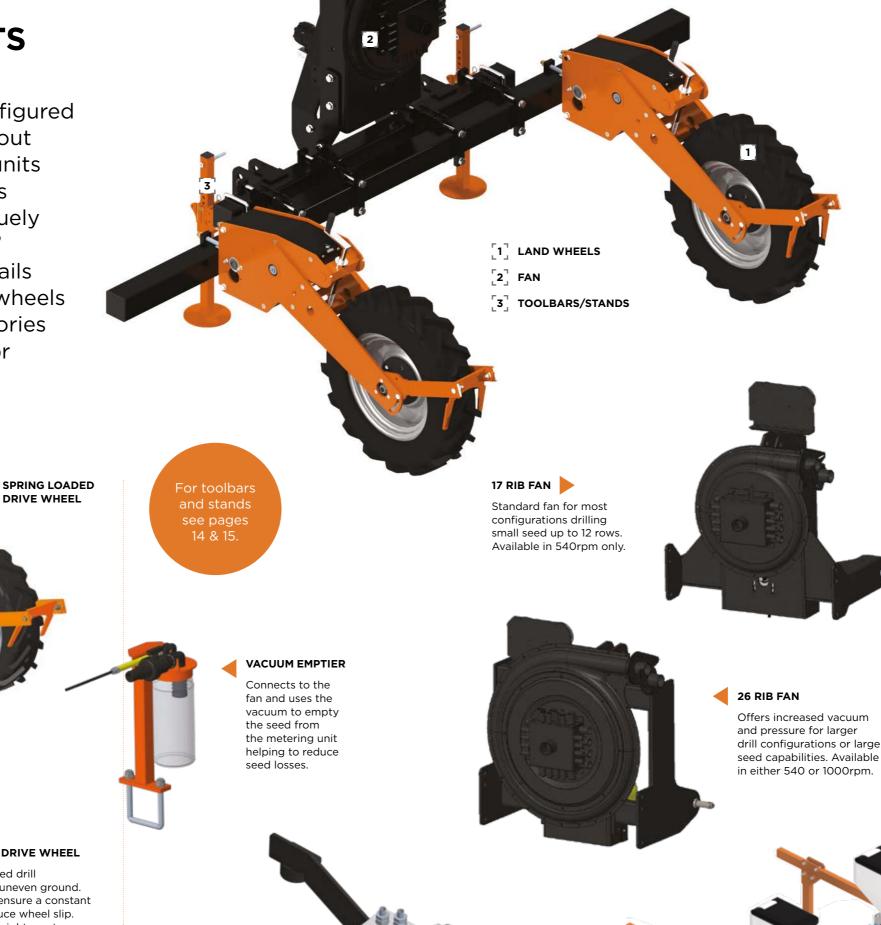


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allowing the use of both styles of fan.

DRILL COMPONENTS

Stanhay seed drills can be configured to suit almost any planting layout and crop. From the metering units and seed discs to the row units and frames, everything is uniquely configurable to the customers' requirements. This section details the options available for land wheels and fans together with accessories that include fertiliser applicator frames and road lighting kits.



STARPLUS



RIDGE WHEELS

For use when drilling on ridges. Guides the drill and ensures the row units follow the top of the ridges.

ROAD LIGHTING

LED road lighting kit can be fitted to rigid or folding toolbars. Reflective marker boards make the drill visible to other road users.





FERTILISER ATTACHMENTS

Many aftermarket fertiliser applicators can be fitted with the available universal mounting brackets either at our factory or via your Stanhay dealer.

STANDARD DRIVE WHEEL

STANDARD

DRIVE WHEEL

Supports the chassis of the drill and houses a 64 speed gearbox that is used to set the spacing of the seeds. Suitable for beds up to 300mm height. Wheel scraper kit included.

The standard support wheel is used in conjunction with the drive wheel to support the chassis. It cannot be used to drive metering units. Suitable for bed heights up to 300mm. Wheel scraper kit included.

SPRING LOADED DRIVE WHEEL

configurations or uneven ground. downforce to reduce wheel slip. Suitable for bed heights up to

The spring loaded support wheel is used in conjunction with the drive wheel. Suitable for bed heights up to 300mm. Wheel scraper kit included.

Used with triple bed drill Spring loaded to ensure a constant 300mm. Includes wheel scraper kit.

DRIVE WHEEL

Retrofittable onto a standard fan and couples into a tractor spool valve. Oil requirement is 30 lpm @ 180 BAR.

HYDRAULIC DRIVE

TECHNICAL SPECIFICATION

Planter type	Air
Seed type	Natural + pelleted
Multiline capability	1/2/3/4
Hopper capacity (litres)	1/2/6/8
Toolbar	100mm or 180mm square
Minimum seed spacing	7mm
Min/max seed size	1mm / 10mm
Min/max number of rows per machine	2-18+
Minimum row spacing	250mm
Minimum line spacing	21.6mm
Approx row unit weight	70kg
Row unit length	1750mm
Depth control	Infinite control
Coverer options	Drag or arm
Wheel options	Stainless / cage / rubber
Seed press wheels available	Yes
Row unit down force adjustment	Yes
Drive system	28 Speed chain drive
Landwheel tyres	6.00-16
PTO Fan	540RPM or 1000RPM
Linkage category	Cat 2 / 3



