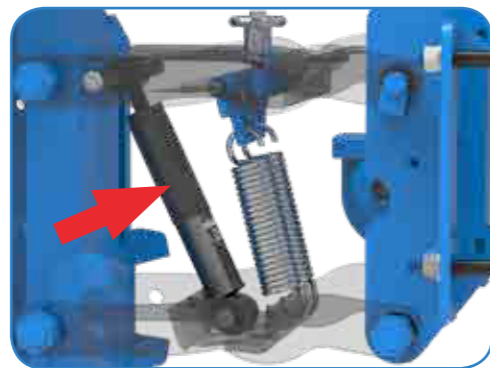


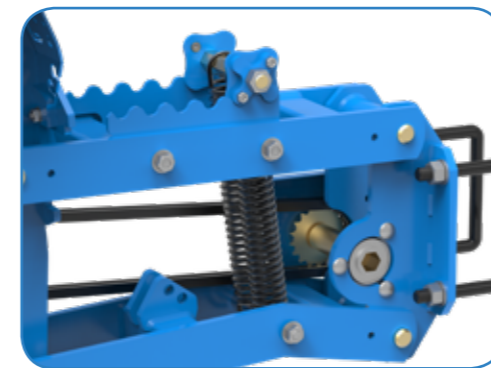
Heavy duty parallel linkage 350mm long, 250mm wide with 22mm pins and bushings



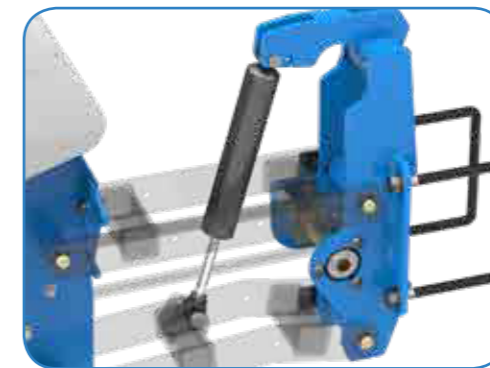
Optional SHOCK ABSORBER reduces row unit bounce at high planting speeds



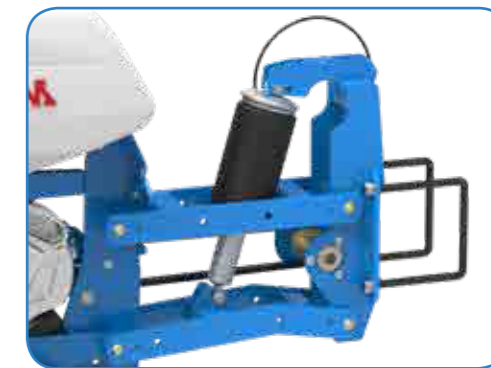
200mm wide face plate to mount a large variety of residue managers



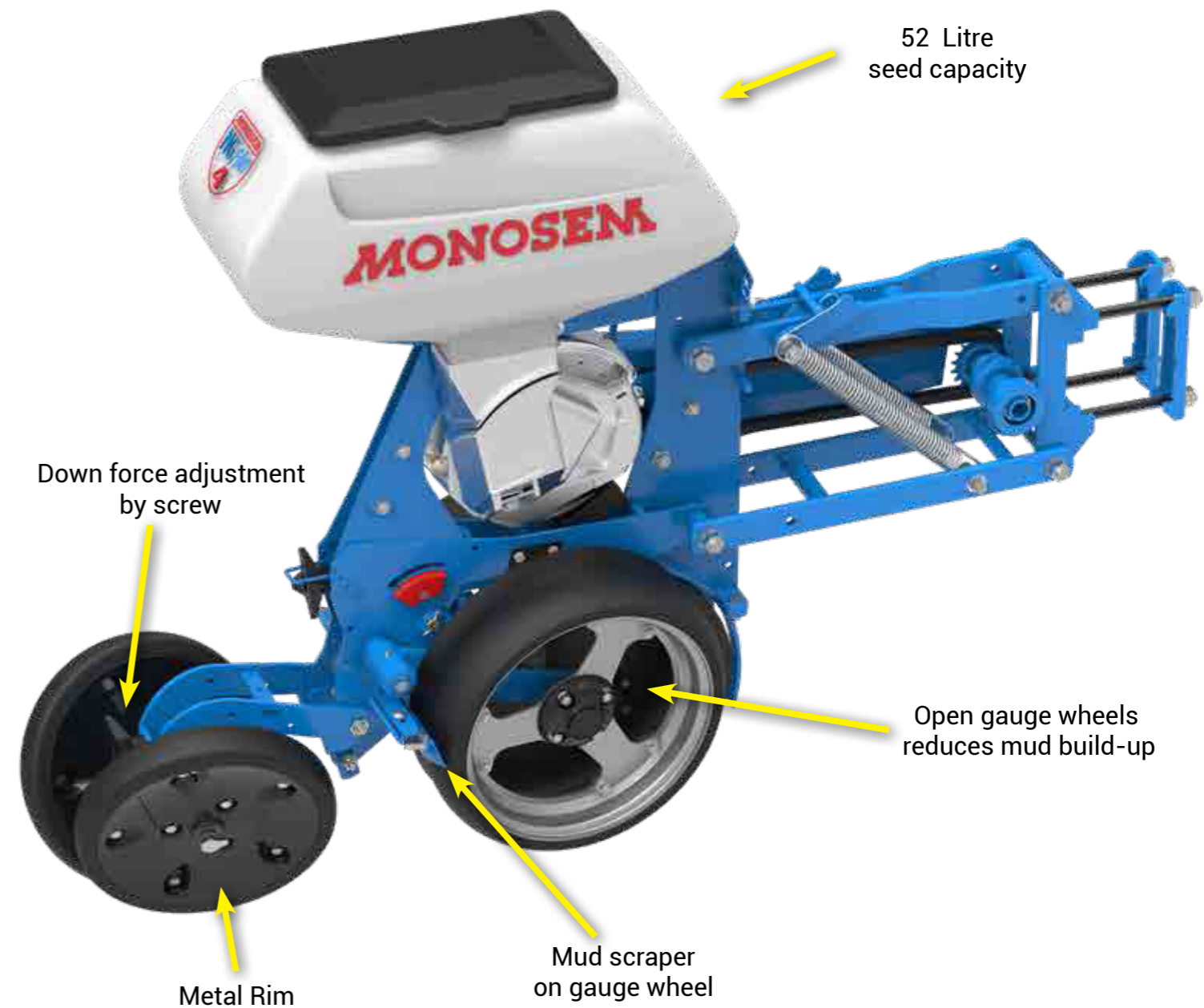
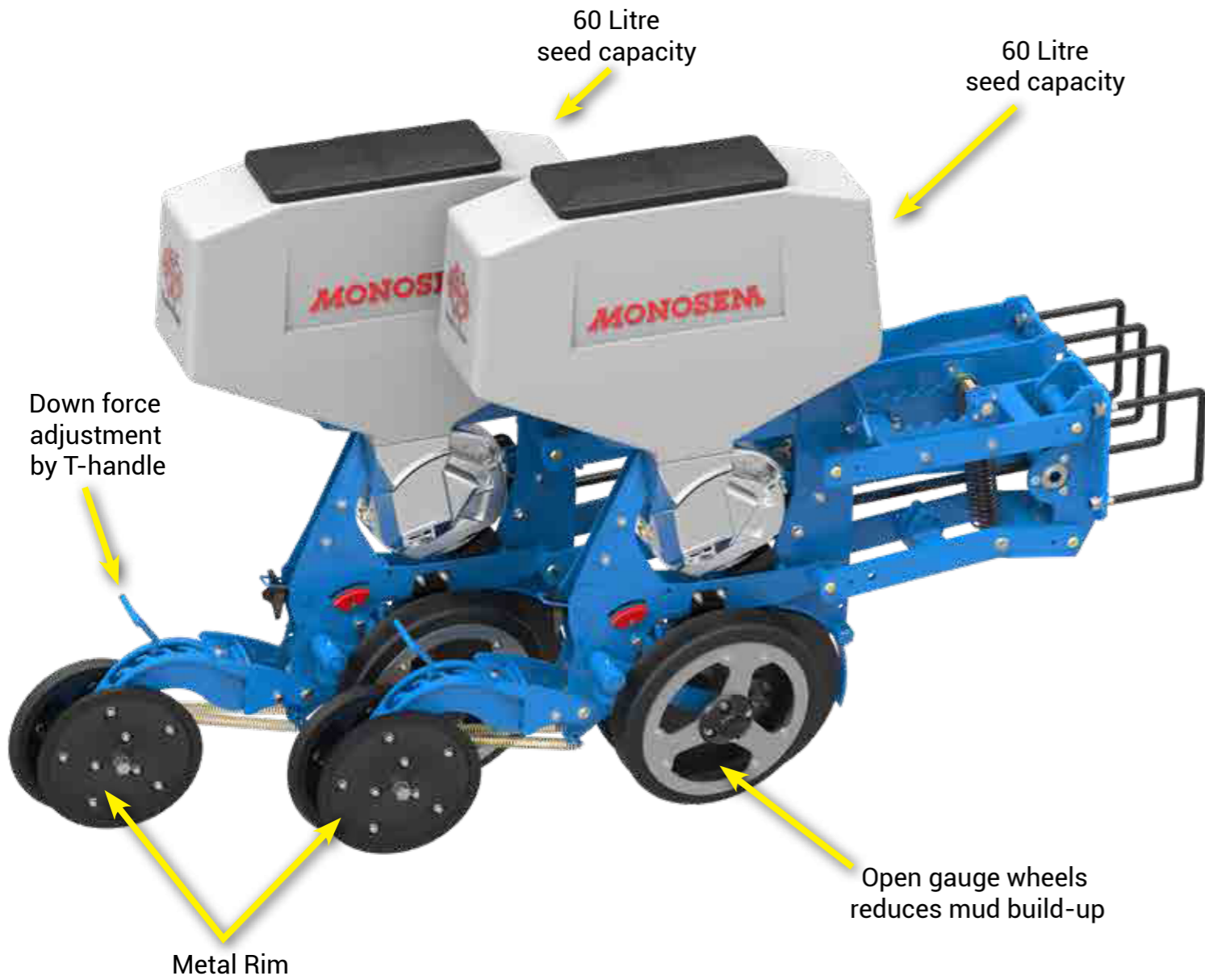
Optional : Row units can be equipped with easy to adjust spring down force and clamp for 3-point mounted frames.



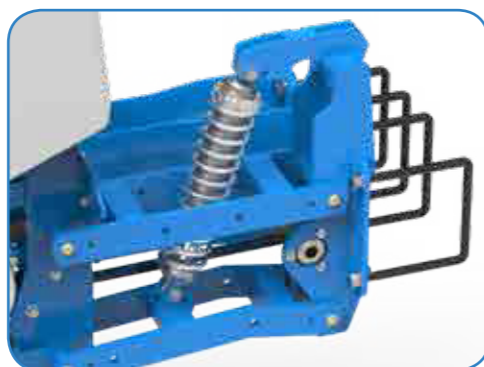
The interior of any Monoshox is a gas filled off-road racing shock that resists compression but extends quickly.



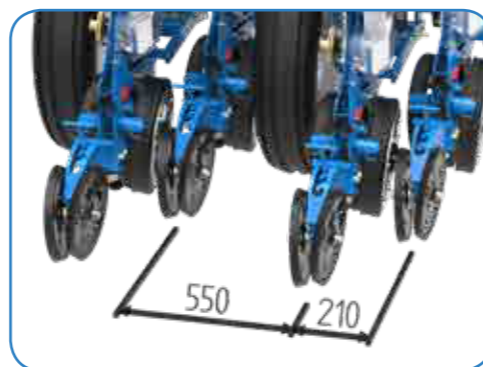
Optional : In-cab controlled Monoshox Air pneumatic airbag replaces coil-over spring. Requires 24V compressor and monitor.



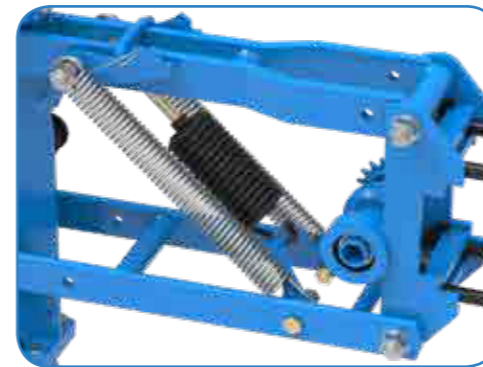
Optional : Twin Row units can be equipped with clamps for 3-point mounted frames.



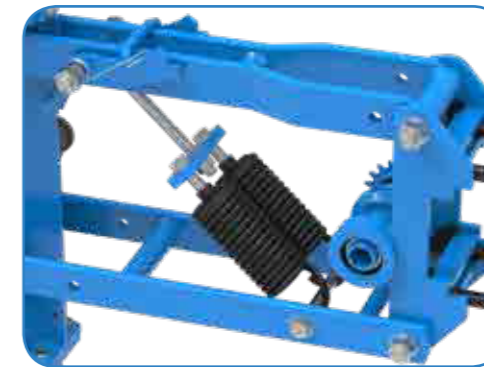
Optional : Twin Row units can be equipped with Monoshox linkage and shock absorber.



Minimum row unit distances : 210mm from row to row and 550mm from row to row with planter wheel in between



Optional : Heavy Duty adjustable down force spring in addition to standard springs

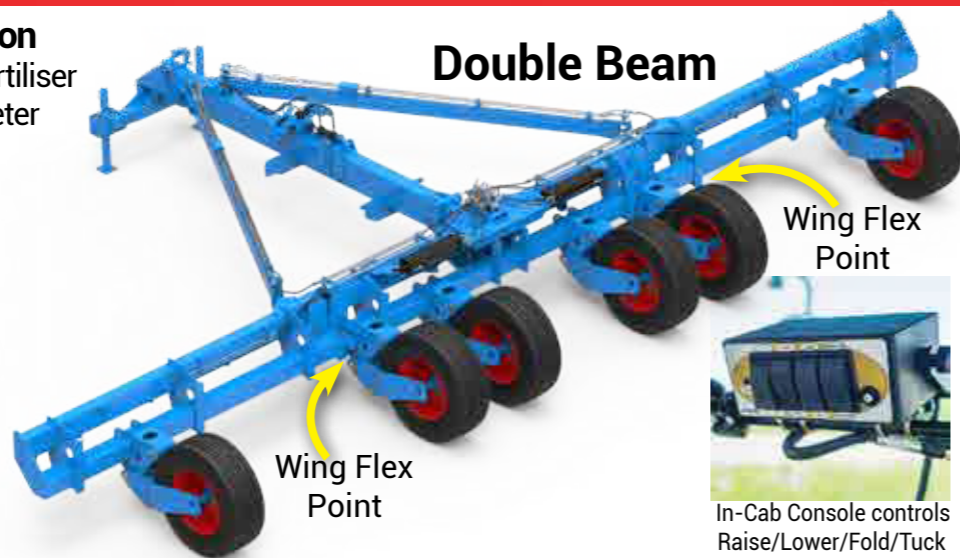


Optional : Super Duty adjustable down force double spring in replacement to standard springs

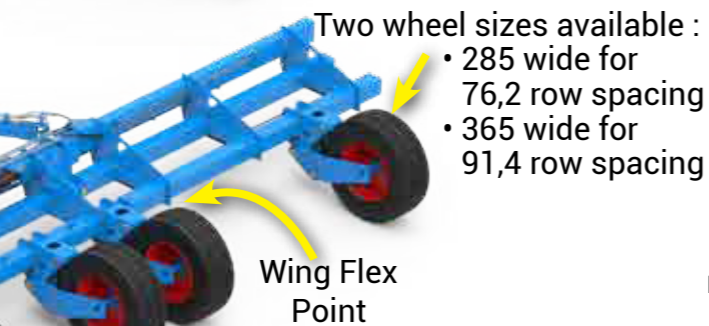


Optional : Mounting bracket for clod deflector or fixed row cleaner

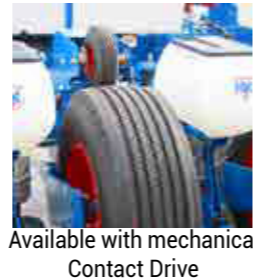
Double Beam Construction
for non No-Till planters with fertiliser
openers up to 460mm diameter



Triple Beam Construction
for all planters including No-Till with
510mm fertiliser single disc or
No-Till openers



Optional:
Hydraulic Weight Transfer
between wings & center



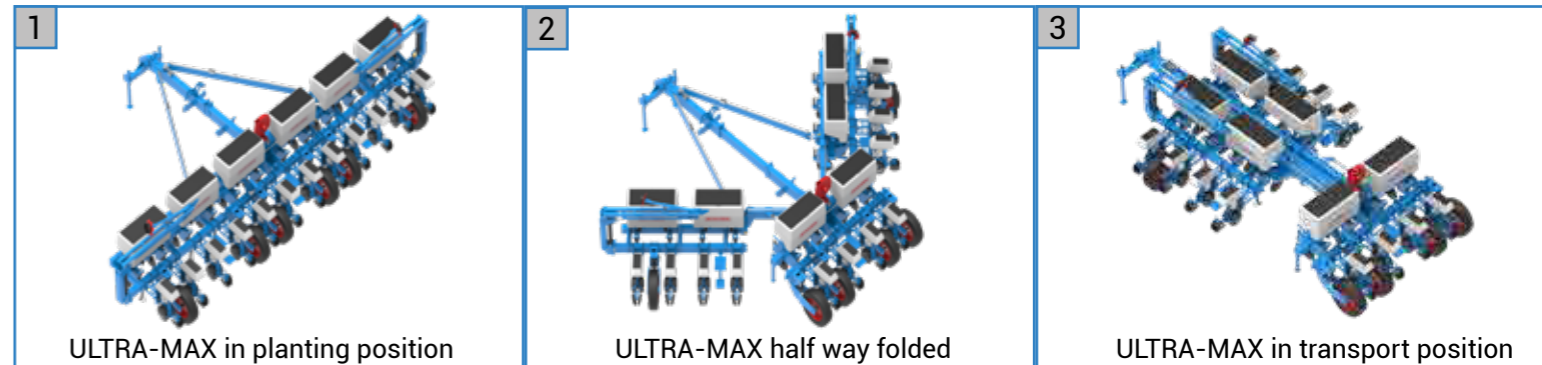
Available with mechanical
Contact Drive

Triple Beam



TRIFLEX WING FOLD DESIGN
15° up & down using wing flex

ULTRA-MAX Double Beam equipped with liquid
fertiliser and no openers



ULTRA-MAX Triple Beam equipped with dry fertiliser
and No-Till coultter & tine openers



ULTRA-MAX forward folding planters are offered with :

A) Standard mechanical options

- Contact Drive
- Fertiliser hoppers on the row
- Row markers

B) Advanced options

- Hydraulic drive for variable application rates
- Electronic control through an ISOBUS terminal
- Central fertiliser bulk hopper & pneumatic distribution



ULTRA-MAX Triple Beam equipped with liquid fertiliser,
Tri-Fold markers and 510mm single disc openers

QUAD-MAX planter

Can be built as a thoroughbred No-Till planter or as a conventional machine.
Possible row spacings are from 60 to 45cm



Wide configurations are built by hooking 2 sections of 6, 8, 10 or 12 rows permanently side by side.



Single section Quad-Max type A



Double section Quad-Max type A

Planter configurations up to 36 rows are possible without any heavy framework folding forward or upward for transport.

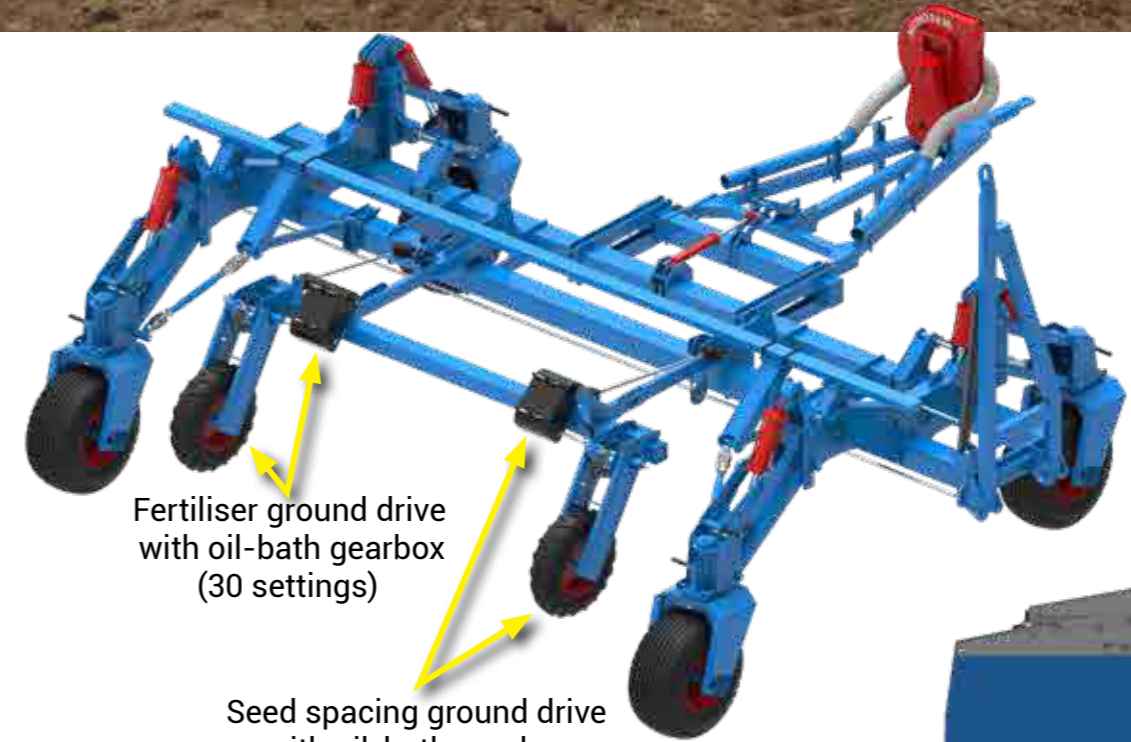


2 section QUAD-MAX type A in transport position



2 section QUAD-MAX type A in planting position

Huge fertiliser and seed capacity on top of each row.
No air assisted delivery of seed or fertiliser needed.
No horizontal pipes. No additional hydraulic fan.



Fertiliser ground drive
with oil-bath gearbox
(30 settings)

Seed spacing ground drive
with oil-bath gearbox
(30 settings)

Fertiliser tools include :
510mm Single Disc Fertiliser Opener
No-Till Coulter & Trip-Tine Combo or
No-Till Coulter & Double Disc Combo



Seed & Fertiliser volumes per 50cm row :
85 Litre Seed
310 Litre Fertiliser

QUAD-MAX planter

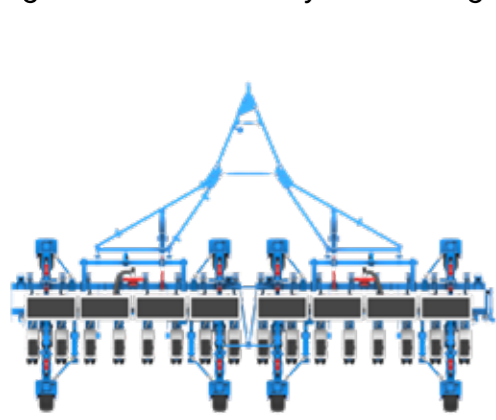
Can be built as a thoroughbred No-Till planter or as a conventional machine.
Possible row spacings are from 152 to 60cm



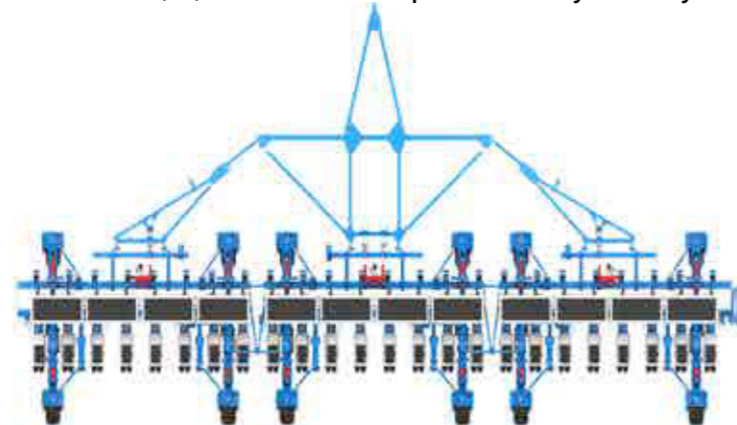
600 Litre fertiliser bins (300 Litre per row) on frame. 70 Litre seed hoppers on row units.
No air assisted delivery of seed or fertiliser needed. No horizontal pipes. No additional hydraulic fan.



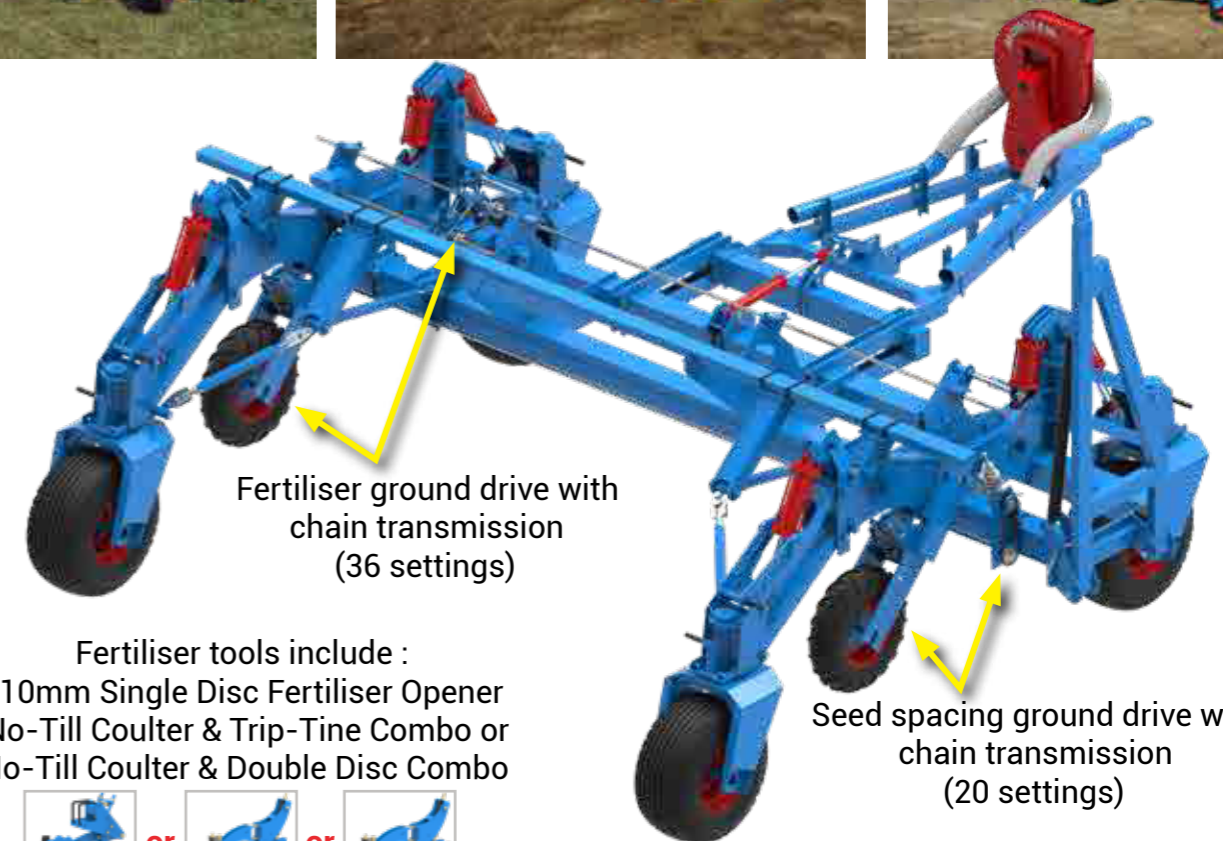
Wide configurations are built by connecting 2 or 3 sections of 6, 8, 10 or 12 rows permanently side by side.



Double section QUAD-MAX type B



Triple section QUAD-MAX type B



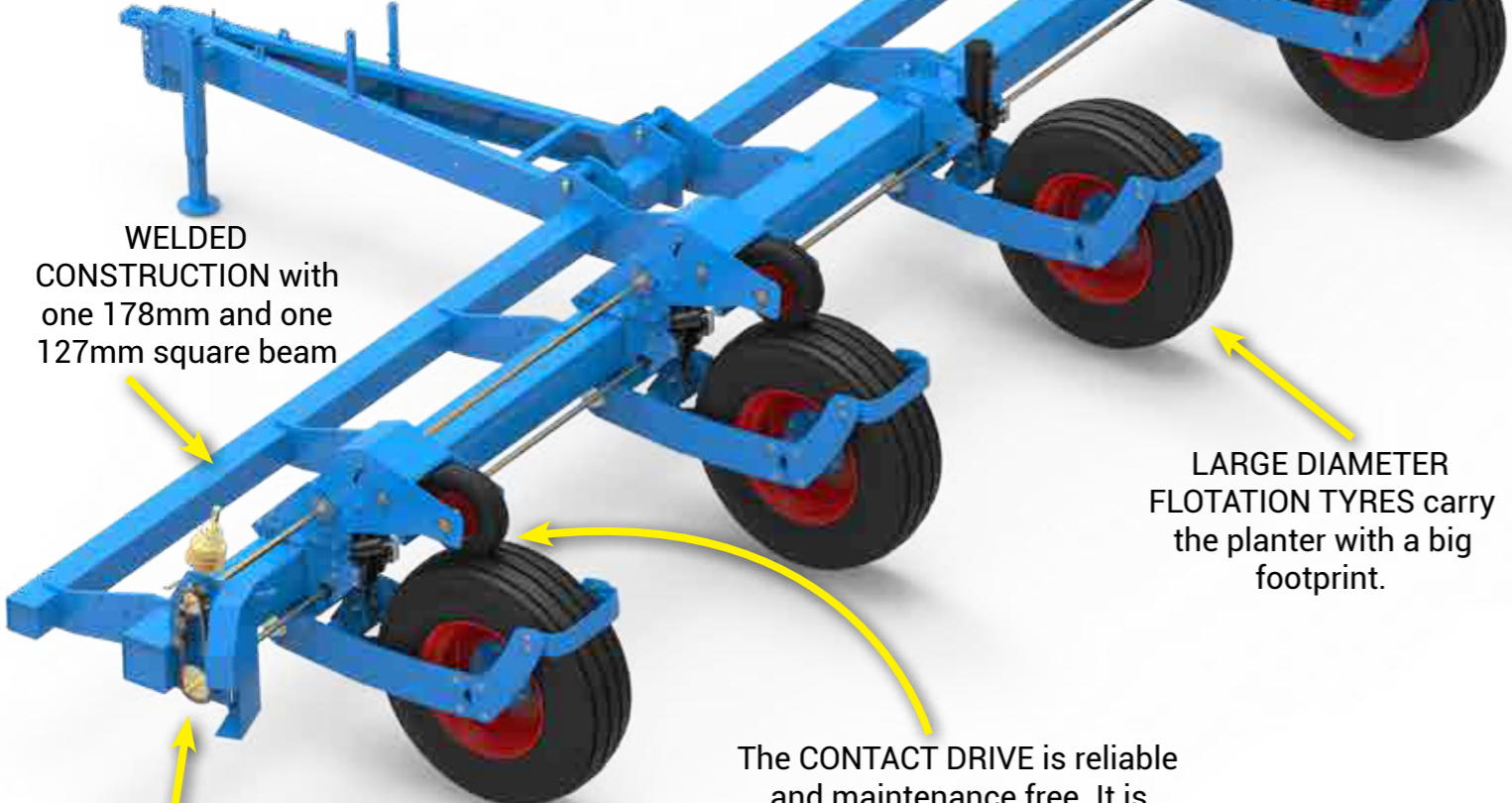
Fertiliser ground drive with chain transmission (36 settings)

Seed spacing ground drive with chain transmission (20 settings)

Fertiliser tools include :
510mm Single Disc Fertiliser Opener
No-Till Coulter & Trip-Tine Combo or
No-Till Coulter & Double Disc Combo



Our PULL TYPE FRAMES are heavy and robust. The straight forward design of the drive and lift system make them easy to set and a pleasure to operate.



WELDED CONSTRUCTION with one 178mm and one 127mm square beam

LARGE DIAMETER FLOTATION TYRES carry the planter with a big footprint.

The SIDE SEED SPACING GEARBOX is easily accessible and allows for quick adjustment without any tools.

The CONTACT DRIVE is reliable and maintenance free. It is designed with short chains and a minimal number of shafts and bearings.



Wheels with a 7.5x20 tyre are fitted for row spacings of 76cm and narrower.

TWO OPTIONAL WHEEL SIZES

Wheels with a 12x18 tyre are fitted for row spacings of 91cm and wider.

MONOSEM NO-TILL PLANTERS WORK IN THE TOUGHEST CONDITIONS



OPTIONAL CATWALK & RAILING



Planter frame height is easily changed using clip-on spacers



Triple-lip sealed SKF flange bearings on wheel hubs



**INCREASE YOUR YIELD!
PLANT MORE SEEDS WITHOUT
PLANTING TOO CLOSE**



ADVANTAGES OF THE TWIN-ROW SYNC-ROW®

Better plant spacing

- Less competition for nutrients and moisture
- Better root development
- More space for photosynthesis
- Better growth

Quicker canopy

- Controls weed pressure
- Conserves moisture

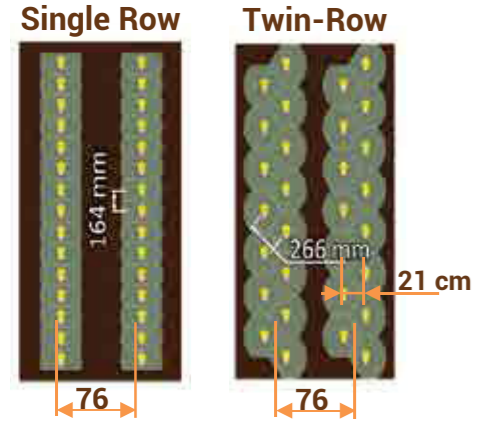


Planting in a diamond seed drop maximises space between each plant and reduces competition for nutrients. On Monosem planters independent row units driven by a shared hex shaft ensure the Sync-Row® diamond pattern remains consistent pass after pass.

Sync-Row® Timing system designed to maintain the staggered seed and create the diamond pattern :

- Easily adjusted with a simple turn of the dial, less than one minute per twin-row pair
- Adjusts the position of the seed disc to synchronise the seed drop

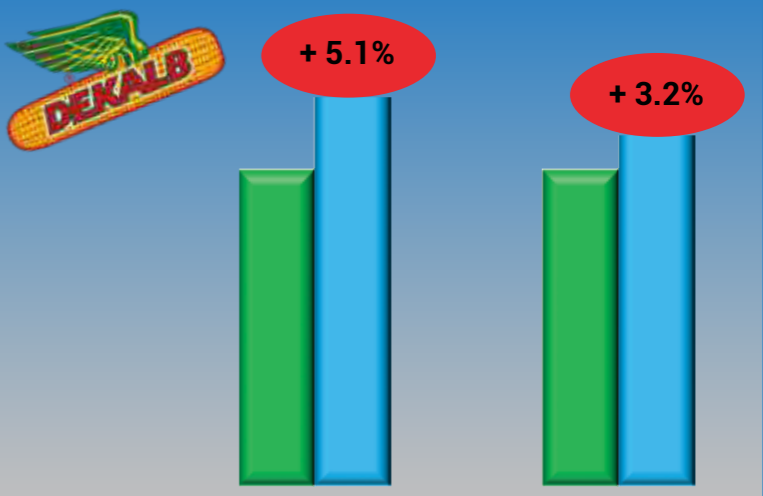
80,000 seed planted per HA with :



Theoretical Root Area per plant: 637cm² Theoretical Root Area per plant: 917cm²



The average gain with Twin-Row Sync-Row® in 2011 was + 5.1% with a -3.5% to + 9.3% variance according to varieties.
The average gain with Twin-Row Sync-Row® in 2012 was + 3.2% with a +1.5% to + 4.4% variance according to varieties.
Source: Trials carried out in partnership with Dekalb in France in 2011 and 2012. Comparison Single line planting (commercial seed population) and Twin Row Sync-Row® planting (seed population + 20%)
 Basis of 7 variances tested in 2011 and 2012 in different regions of France.



MONOSEM 3-point mounted planter with MONOSHOX row units, four 250 litre fertiliser bins, higher wheel units and side seed spacing gearbox.



3-POINT MOUNTED FRAMES are strong, versatile and allow for a vast variety of row configurations

WELDED CONSTRUCTION made with two 127mm beams



CENTRAL SEED SPACING GEARBOX provides 18 possible settings

OPTIONAL PLATFORMS give easy access to the fertiliser bins



STANDARD WHEEL UNITS have 6.5/80x15 tyres and drive a shaft underneath the rear beam.

3-POINT MOUNTED FRAMES have ample space for the fertiliser tools in front and row units on the rear.

HIGHER WHEEL UNITS use 6.5/80x15 tyres and drive a shaft on top of the rear beam



The SIDE SEED SPACING GEARBOX is easily accessible and allows more than 18 standard settings



Mount row units as close as 38cm apart with OPTIONAL FORWARD FACING WHEEL UNITS

MONOSEM 3-point mounted planter set at 76cm with NGplus4 row units, two 350 litre dry fertiliser bins, MICROSEM granular applicator.



Efficient & Reliable !

Three sizes ensure a regular vacuum for optimal operation of the seed meter to suit all planter configurations.



Standard Turbopan



High Output Turbopan



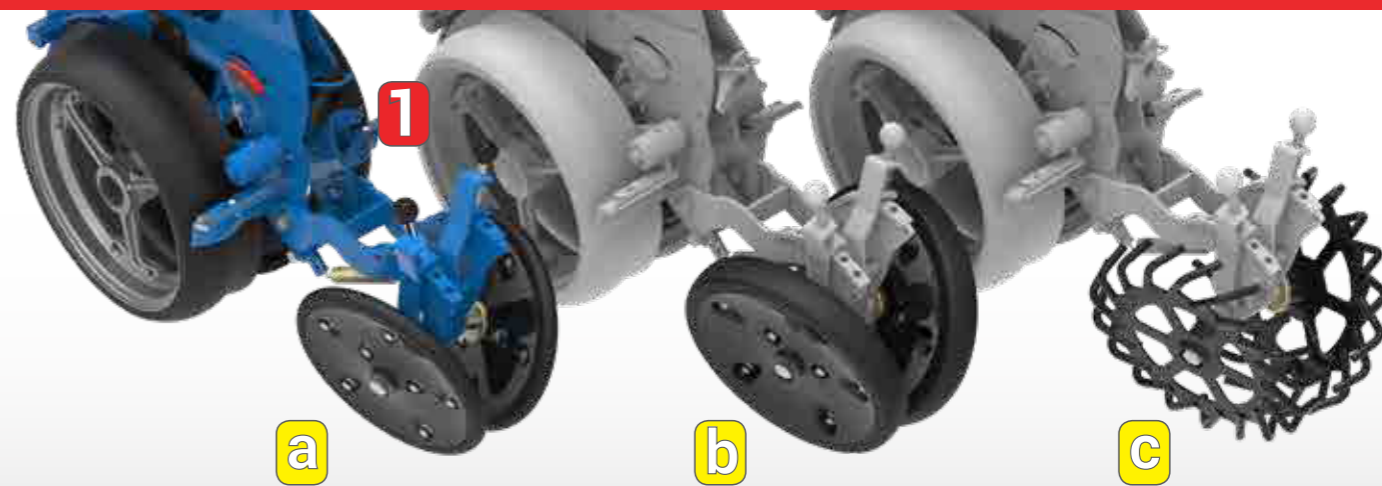
Extra High Output Turbopan



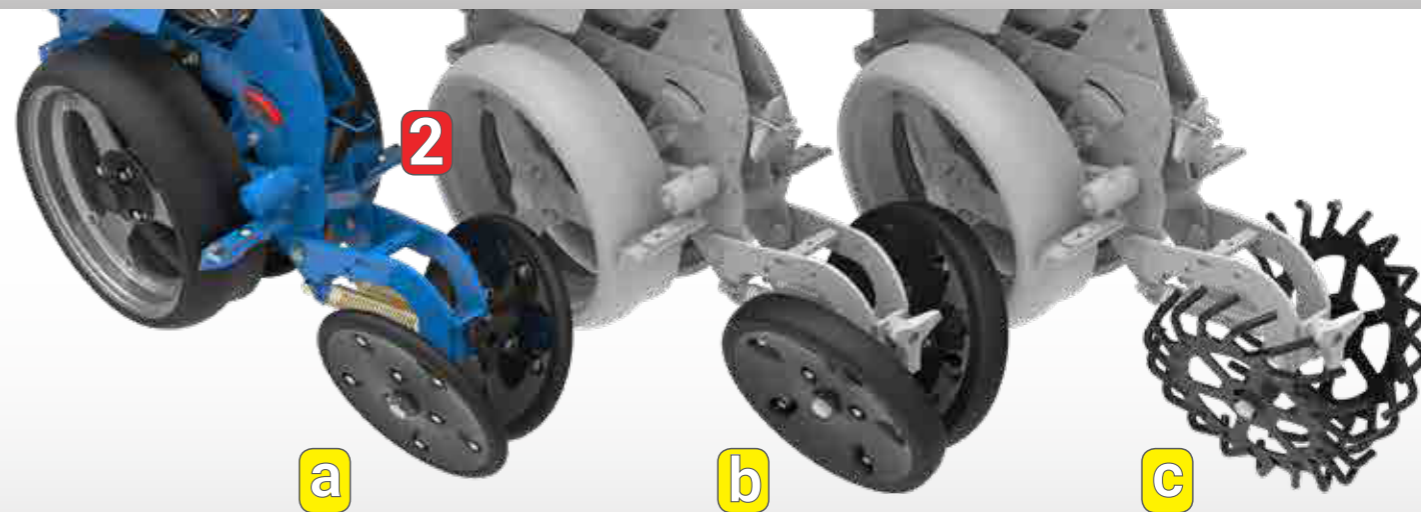
Standard Drive with PTO shaft



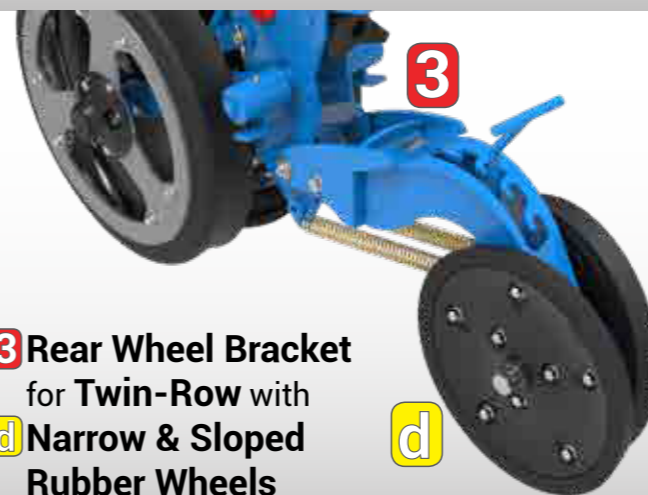
Optional Hydraulic Drive with vacuum gauge



1 Two Lever Adjustable Rear Wheel Bracket (adjustable toe-in, toe-out and down force) with **a** 25mm Narrow Rubber, **b** 50mm Wide Rubber or **c** Steel Finger Wheels



2 Screw Adjustable Rear Wheel Bracket (adjustable down force only) with **a** 25mm Narrow Rubber, **b** 50mm Wide Rubber or **c** Steel Finger Wheels



3 Rear Wheel Bracket for Twin-Row with **d** Narrow & Sloped Rubber Wheels



4 Special Bracket for **e** Closing Disc & **f** Flat Single Wheel



Clod Deflector



Fixed Row Cleaner



Short Floating Row Cleaner



No-Till Coultter



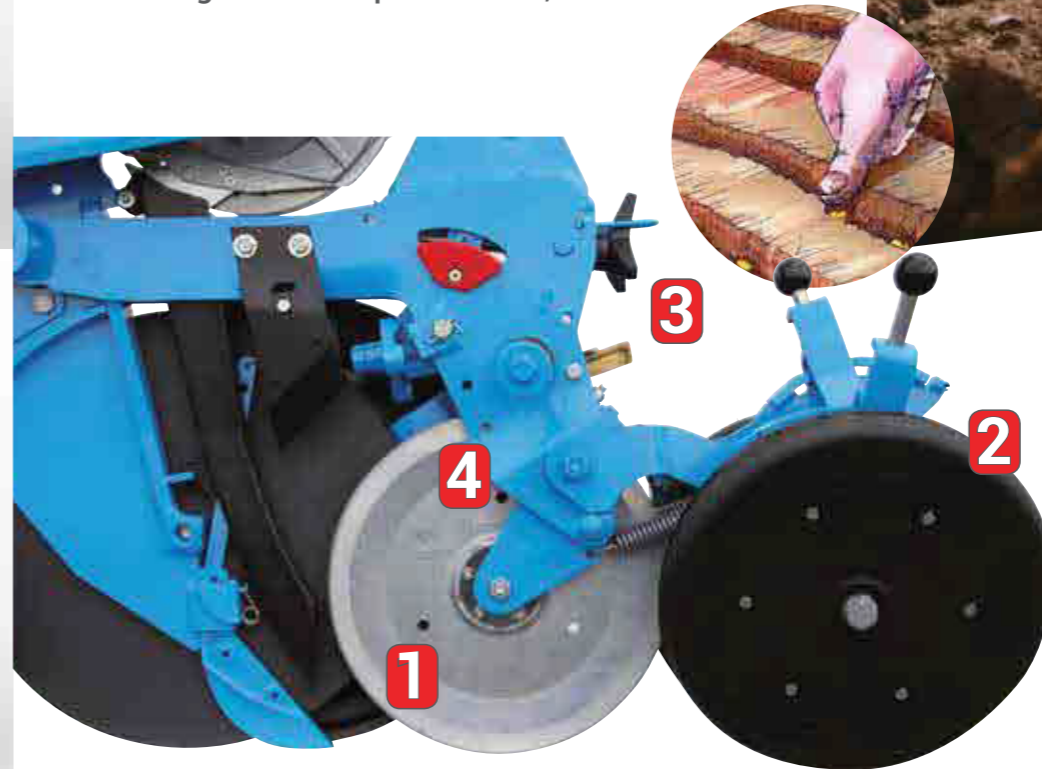
No-Till Coultter & Floating Row Cleaner



Fixed Row Cleaner For Twin-Row

« **The professional touch** »

The press wheel has been used for years on the vegetable and sugar-beet planters. MONOSEM has adapted this concept to the multi-purpose planters with a large diameter press wheel, the PRO wheel.



- **Consistent pressing**
- **Improved plant emergence**
- **Optimal germination**
- **Better seed placement quality**

1 Large diameter press wheel

The PRO wheel in aluminium has a stainless steel coating and a plastic scraper. Wide diameter (295mm), it keeps its shape and offers a quality pressing and a better seed placement. By improving the seed-to-soil contact, the emergence is more rapid and regular.

3 Integrated hooking up system

When the conditions are not suitable for the use of the PRO wheel, it can be very quickly retracted. Just lift the PRO wheel up by hand and lower the lock with the other. And the wheel is no longer in contact with the ground.

2 Combined adjustment

The packing down pressure of the PRO wheel is adjustable. It is combined with the pressure adjustment of the rear packing unit (a).

4 Independent wheel

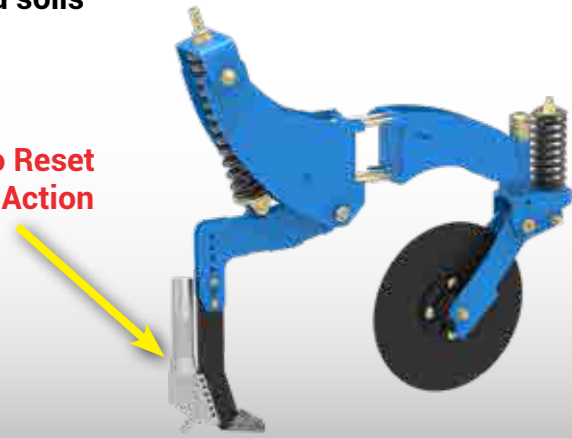
Independent from the planting system and the rear press unit, the PRO wheel follows the ground contours for a consistent pressing.



Fertiliser Opener Options for No-Till :

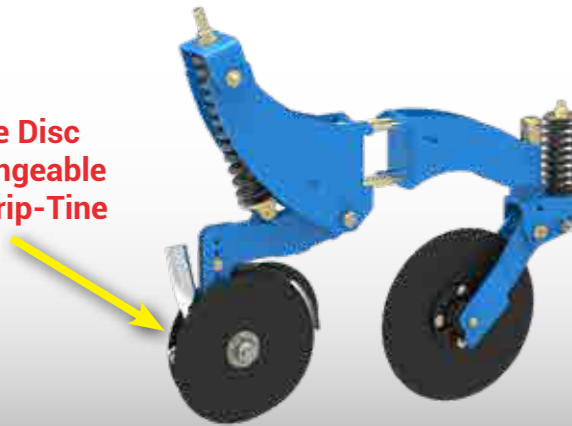
NO-TILL COULTER & TINE COMBO for hard soils

Auto Reset Trip Action



NO-TILL COULTER & DOUBLE DISC COMBO for semi hard soils

Double Disc exchangeable with Trip-Tine



For Minimum Tillage or Conventional Tillage :

510mm SINGLE DISC FERTILISER OPENER



Left View

Right View

460mm SINGLE DISC FERTILISER OPENER



Left View

Right View



Available Capacity



250 Litres



350 Litres



500 Litres



600 Litres

