

prosem

PRECISION PLANTERS



The well done sowing
WWW.SOLAGRUPO.COM





Prosem
 **SOLA**





Precision sowing.

The PROSEM range brings together SOLÀ's expertise in precision seeding in a family of precision planters renowned for their reliability and track record: a well-established solution, with a long-standing presence in the market and designed to operate season after season with consistency and precision.

PROSEM was developed with a practical and robust approach, designed to ensure consistent crop establishment and stable metering under real field conditions.

Over time, the range has been developed to include variants and configurations that allow it to be adapted to different crops, sowing patterns, soil types and agronomic requirements.

This versatility, combined with robust construction and intuitive operation, makes PROSEM a reliable choice for farms seeking consistent results and a seed drill capable of meeting a wide range of sowing requirements.

1 – An articulated parallelogram linkage provides excellent stability and a wide range of vertical movement, allowing the row unit to follow ground contours accurately.

2 – Pressure spring for the row unit, for adjustment via a 6-position lever.

3 – Self-lubricating sintered bushings that ensure high durability in joint / articulation systems.

4 – Seed hopper with a capacity of 50 litres.

5 – Seed metering unit with a suction-fed metering system, constructed from high-strength polymers that ensure a long service life and minimal maintenance.

6 – Easily accessible inspection window for the sowing disc.

7 – Replacing the sowing disc is extremely easy thanks to the patented disc-fixing system.

8 – Emptying the seed metering unit via the hatch at the bottom of the metering unit.

9 – Continuous sowing depth adjustment via a crank, ensuring seeds are planted correctly at the desired depth.

10 – Internal and external sowing disc cleaners made from wear-resistant steel.

11 – Pressure adjustment for the closing wheels via a spring and a 5-position lever.

12 – Adjustment of the angle of the closing wheels using a 4-position lever.

13 – External scrapers on depth-control wheels.

14 – Semi-pneumatic depth control wheels, $\varnothing 400 \times 115$ mm, with bearings fitted with triple protection against dust ingress. (Optional).

15 – Optimal furrow opening thanks to the low angle between the discs, which ensures perfect seed emergence with the lowest power consumption, using $\varnothing 15''$ seeding discs with bearings fitted with triple protection against dust ingress.

16 – Interchangeable sowing tube protector.

17 – Sowing tube with wear-resistant protector / guard.

18 – Optional $\varnothing 13'' \times 2''$ semi-pneumatic closing wheels with bearings fitted with triple protection against dust ingress. (Optional).

19 – Planting depth controlled directly at the seed drop point.

20 – Height-adjustable clod remover with furrow opening time, ensuring the correct preparation of the sowing bed. (Optional).

21 – Automatic row shut-off (Optional).

22 – Manual row shut-off.

23 – Mechanical chain transmission.

The row unit





15

22

17

16

21

2

23

3

1

20

19

3

13

14



The PROSEM metering unit

The PROSEM metering unit is SOLA's own design, developed and validated over years of real-world use, with a clearly agronomic focus: to ensure even distribution in order to produce a homogeneous and stable crop population.

Precision in spacing reduces the occurrence of double seeding and missed seeds, minimises competition between plants within the row and promotes more synchronised emergence, which is key to achieving uniformity in vigour, flowering and ripening. This uniformity translates into better utilisation of soil and climatic resources (water, nutrients and radiation), and a more consistent crop response to variations in soil texture, moisture or soil preparation.

To cater for the wide variety of seed species, sizes, shapes and treatments, PROSEM offers a wide range of specific discs, making it easy to choose the right configuration for each crop and sowing objective.

The result is a system designed to maintain sowing quality season after season, delivering agronomic precision and reliability in demanding conditions.

STEP 2

The seeds are pushed and repositioned so that only one remains in each hole. At the same time, this prevents the seed from being gripped by the germination mechanism, which could damage it.

STEP 1

The seeds are held in place in each of the disc's holes by suction. There are discs for all types of seeds.

A wide variety of 1.5 mm thick discs is available, each specifically designed for a particular crop. The diameter and spacing of the holes are adapted to suit different types of seeds.

STEP 3

At this stage, the seeds are aligned and guided in a controlled manner to achieve an optimal drop position, regardless of the sowing speed. As the airflow is obstructed at the rear of the disc, the seeds are released and fall down the drop tube one by one.

THE PROSEM SYSTEM

Unlike other single-seed systems, the PROSEM K disc system is held in place solely by powerful magnets, creating a perfectly airtight and watertight chamber that eliminates suction losses. With this system, there are no wearing parts. Forget about spare parts and maintenance.

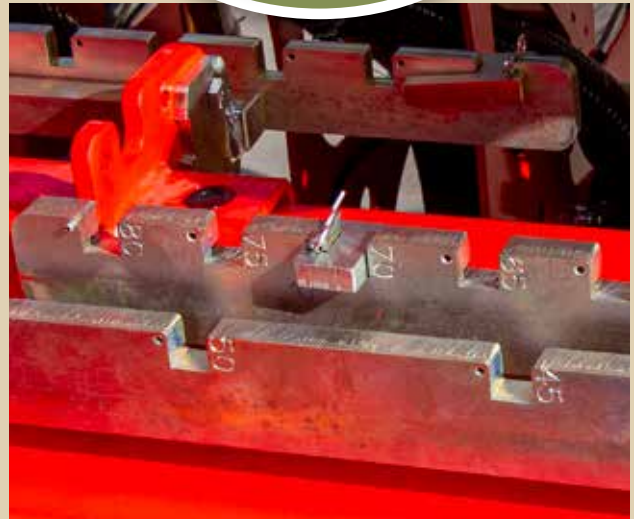
VARIANT SYSTEM

Maximum versatility, minimum effort

SOLÀ's exclusive VARIANT system allows row spacing to be adjusted quickly, precisely and without the need for tools. Thanks to an innovative assembly of guides and positioning stops, combined with a hydraulic cylinder integrated and concealed inside the frame, the row units move automatically to the pre-defined position.

The operator need only adjust the stops to the desired distance and activate the hydraulic system, completely eliminating the physical effort and lengthy adjustment times typical of other seed drills.

In this way, it is possible to adapt the machine to different crops and sowing patterns in just 5 minutes, making VARIANT one of the quickest, most convenient and efficient solutions on the market.



Move the stop to adjust the row spacing

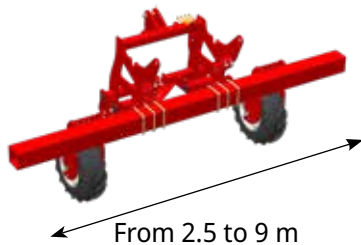
PROSEM FIJA



- Rigid frame or frame with vertically foldable wings driven hydraulically.
- Fixed spacing between row units.
- Row units fixed to the frame using clamps.
- With reinforced three-point hitch.
- Optionally available with a road transport trolley.



MODEL RANGE
FIXED
Monobarra frame

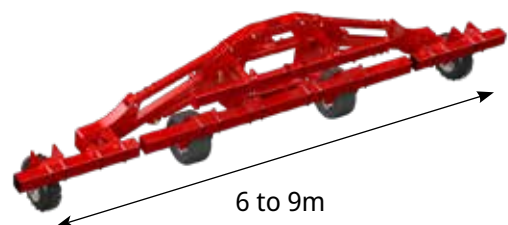


4 to 18 rows



From 33 to 90 cm
Factory-set row spacing

MODEL RANGE
FIXED FOLDABLE
Monobarra frame



9 or 12 lines



60, 68, 70, 75 cm
Factory-set row spacing

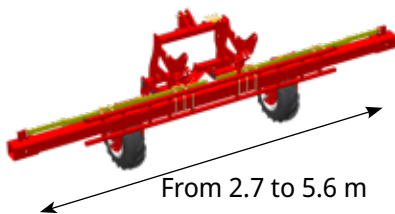
PROSEM VARIABLE



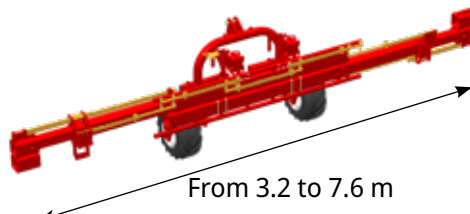
- Telescopic frame or foldable telescopic frame.
- Variable spacing between row units.
- System for adjusting the spacing between row units in 5 cm increments.
- Other distances are available as an option.



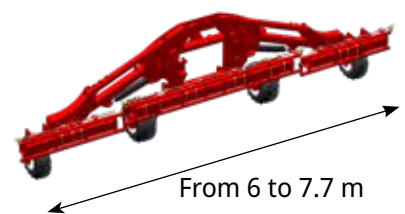
MODEL RANGE
VARIANT
Monobarra frame



MODEL RANGE
VARIANT IDRA
Double-Bar Frame



MODEL RANGE
FOLDABLE VARIANT
Folding Single-Beam Frame



PROSEM GEA

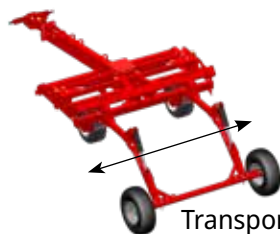
- Monobloc frame with horizontally foldable wings, constructed from a high-strength composite tubular structure.
- Double-bar transport tow bar.
- Fixed spacing between row units.
- Seed suction and fertiliser blowing system using independent turbines.
- Specially designed for small tractors



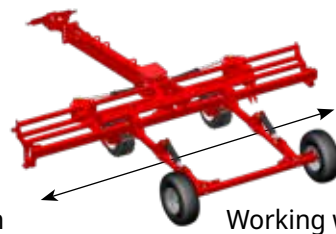
MODEL RANGE
GEA
Frame with foldable wings



By model



Transport 3m



Working width up to 6m



8 or 12 lines



From 45 to 75 cm
Factory-set row spacing

PROSEM OMNIA



- Four-bar telescopic frame with vertically foldable wings driven hydraulically.
- Hydraulically adjustable distance for the central elements and via a spindle for the lateral elements.
- Elektra ISOBUS metering unit drive system.
- System for adjusting the spacing between row units in 5 cm increments.
- Other distances are available as an option.



MODEL RANGE
OMNIA
Frame with foldable wings



Transport 3m



Working width up to 9 m



12 or 14 lines



From 45 to 75 cm
Adjustable in increments
5 cm

VESTA PROSEM

- Compatible with PROSEM planters.
- Large-capacity hopper made from high-strength steel.
- Elektra ISOBUS or mechanical metering system (optional).



Trolley
VESTA



Capacity: 7,000 L



4 to 14 lines



From 33 to 95 cm
Factory-set row spacing

PROSEM ARGO

- It allows a PROSEM or CEREAL unit to be coupled via a three-point hitch.
- Independent sowing equipment that facilitates the field coverage mapping.
- Electrically driven pressurised hoppers for granular and micro-fertilisers.
- Full rate adjustment for all products from the tractor cab.



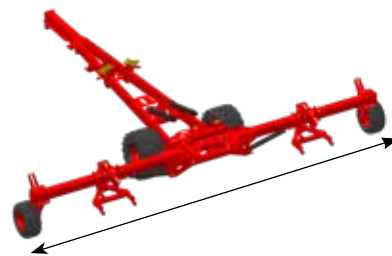
MODEL
ARGO
Large areas



By model



Transport 4m



Working width up to 12m



Capacity: 6,200 L



16 or 24 lines



From 45 to 75 cm
Factory-set row spacing

Optional equipment

These are just some of the optional pieces of equipment available in the PROSEM range. Designed to tailor your seed drill precisely to your needs.

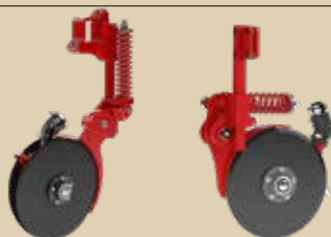
Turbo disc



Range of disc cultivators



Range of fertiliser discs



Clod remover



Range of rotary row cleaners



Range of press wheels



Range of rubber closing wheels



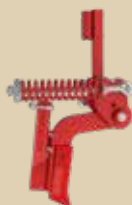
Range of toothed closing wheels



Range of cast closing wheels



Fertiliser couler



Range of depth control wheels



Range of seed-setting coulters





Maquinaria Agrícola Solà, S.L.
Ctra de Igualada, s.n.
08280 CALAF (Barcelona)
Tel.: +34 93 8680060
Email: sola@solagrupo.com
WWW.SOLAGRUPO.COM

CERTIFIED
ISO 9001

