

prosem

PRECISION PLANTERS



THE WELL DONE SOWING
WWW.SOLAGRUPO.COM





Prosem
 SOLA





Precision seeding.

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 tried-and-tested solution with many years on the market, designed to perform consistently and accurately season after season.

PROSEM has been developed with a practical and robust approach, designed to ensure consistent crop establishment and stable application rates under real field conditions.

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

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

The row unit

- 1** - A system of articulated parallelograms that provides excellent stability and a wide range of movement, ensuring perfect adaptation to the sowing bed.
- 2** - Pressure spring for the row unit, with adjustment via a 6-position lever.
- 3** - Self-lubricating sintered bushings that ensure the joints are highly durable.
- 4** - Seed hopper with a capacity of 50 litres.
- 5** - Seed metering unit with a vacuum-fed, 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 that seeds are planted correctly at the desired depth.
- 10** - Internal and external sowing disc scrapers made from wear-resistant steel.
- 11** - Pressure gauge for the closing wheels, operated by 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, 400 mm diameter x 115 mm, with bearings fitted with triple dust protection. (Optional)
- 15** - Optimal furrow opening thanks to the narrow angle between the discs, ensuring perfect seed emergence with minimal power consumption, using 15" sowing discs fitted with bearings featuring triple dust protection.
- 16** - Interchangeable protective boot for the sowing hose.
- 17** - Sowing hose with wear-resistant protector.
- 18** - Optional $\varnothing 13'' \times 2''$ semi-pneumatic closing wheels with bearings fitted with triple dust protection. (Optional)
- 19** - Planting depth controlled directly at the point where the seed falls.
- 20** - Height-adjustable clod remover with a furrow-opening blade to ensure the sowing bed is properly prepared. (Optional)
- 21** - Automatic exclusion of an item (Optional).
- 22** - Manual rows exclusion.
- 23** - Mechanical chain transmission.



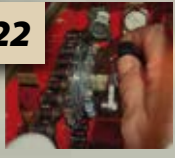


15



90°

22



17



16

21

2

23

3

1

20

19

3

13

14



The prosem metering unit

The prosem metering unit is a SOLÀ in-house design, developed and tested over years of practical use, with a clear agronomic focus: to ensure even distribution in order to produce a uniform and stable crop population.

Precise spacing reduces the occurrence of double plants and failures, 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 results in better utilisation of soil and climatic resources (water, nutrients and sunlight), and a more consistent crop response to variations in soil texture, moisture or preparation.

To cater for the wide variety of seed types, sizes, shapes and treatments, prosem offers a wide range of specialised discs, making it easy to select 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 1

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



STEP 2

Push the seeds down and reposition them so that there is only one in each hole. At the same time, avoid pressing down on the sprout, as this could damage the seed.

STEP 3

At this stage, the seeds are aligned and guided in a controlled manner to ensure they fall into the optimal position, regardless of the sowing speed.

As airflow is blocked at the back of the disc, the seeds are released and fall down the hose one by one.

SOWING DISCS

It offers a wide range of 1.5 mm thick discs, each designed for a specific crop. The diameter and spacing of the holes are tailored to different types of seeds.

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 wear parts. Forget about spare parts and maintenance.

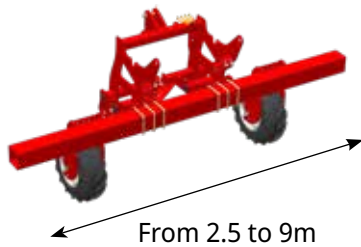
PROSEM FIX



- Rigid frame or frame with vertically foldable wings operated by a hydraulic system.
- Fixed spacing between seeding row units.
- Row units secured to the frame with cable ties.
- With reinforced tripod.
- Also available with a road transport trolley.

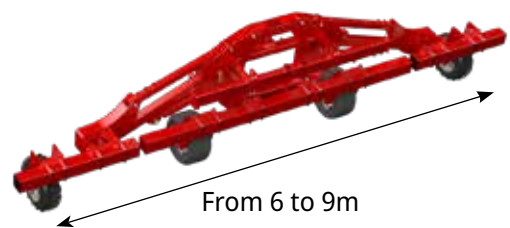


MODEL RANGE
FIX
Monoblock frame



From 4 to 18 rows From 33 to 90 cm
Set by default

MODEL RANGE
FOLDABLE BRACKET
Monoblock frame



9 or 12 rows 60, 68, 70, 75 cm
Set by default

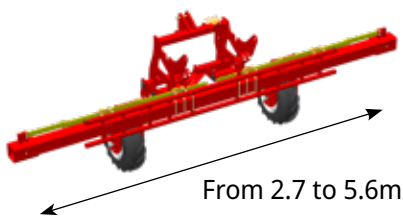
PROSEM VARIABLE



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



MODEL RANGE
VARIANT
Monoblock frame

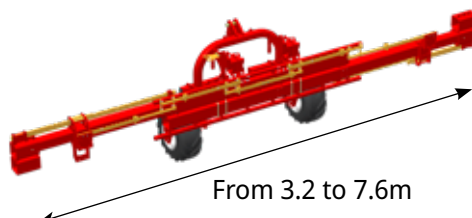


6 or 7 rows



From 45 to 95 cm
Adjustable in increments
5 cm

MODEL RANGE
VARIANT IDRA
Double-wishbone frame

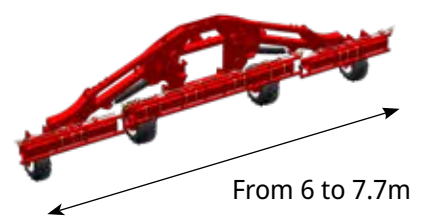


8 or 9 rows



From 40 to 95 cm
Adjustable in increments
5 cm

MODEL RANGE
FOLDABLE VARIANT
Foldable Monobar Frame



11 or 12 rows



45 to 80 cm
Adjustable in increments
5 cm

PROSEM GEA

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



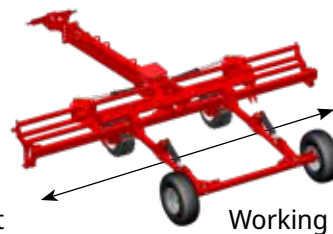
MODEL RANGE
gea
Frame with foldable wings



Depending on the model



3m Transport



Working range up to 6 m



8 or 12 rows



45 to 75 cm
Set by default

PROSEM OMNIA



- Four-bars telescopic frame with vertically foldable wings operated hydraulically.
- Hydraulically adjustable distance for the central elements and via a spindle for the side elements.
- Elektra isobus metering unit control system.
- A system for adjusting the spacing between seeding row units in 5 cm increments.
- Other lengths are available as an option.



MODEL RANGE
gea
Frame with foldable wings



3m Transport



Working height up to 9 m



12 or 14 rows



45 to 75 cm
Adjustable in increments
5 cm

VESTA PROSEM

- It provides coupling with any PROSEM model.
- High-capacity hopper made of high-strength steel.
- Elektra isobus metering unit or mechanical metering unit (optional).



TROLLEY
VESTA



Capacity: 7,000 litres



From 4 to 14 rows



From 33 to 95 cm
Set by default

PROSEM ARGO

- Permits a prosem unit or a CEREAL unit to be coupled using a tripod.
- Independent sowing equipment that makes it easier to follow the contours of the field.
- Electrically operated pressurized hoppers for granular and micro-granular fertilisers.
- Full adjustment of the dose for all products from the tractor cab.



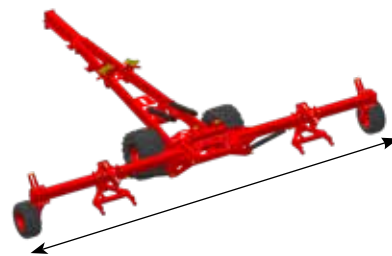
MODEL
ARGO
For large areas



Depending on the model



Transport 4m



Working range up to 12m



Capacity: 6,200 litres



16 or 24 rows



45 to 75 cm
Set by default

Optional equipment

These are just some of the optional extras available in the prosem range. Designed to tailor your seed drill precisely to your needs.

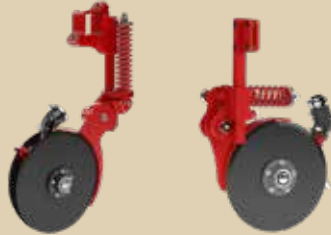
Turbo disc



Range of discs
openers



Range of fertilizer
discs



Clod remover



Rotary
row cleaners



Range of pressing
wheels



Range of rubber closing wheels



Range of toothed closing wheels
toothed



Range of closing wheels in foundry



Fertilizer coulters



Range of depth control wheels



Range of seedKeetons





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