Years of experience - uncompromising construction and quality
The SP-series is the best known spreader series from SAMSON. It is characterized by an uncompromising quality. The series comprises of four models with a capacity of 9, 11, 12 and 15 cubic meters offering maximum versatility. All are extremely reliable with low maintenance needs. The SP technology is based on 65 years of SAMSON experience.

SAMSON, the world’s first manufacturer of spreaders with vertical beaters, has designed the SP-series specially for heavy users such as large scale farmers, contractors, biogas plants and machinery cooperatives. Characteristic of the SP-Spreader is the ease in which it processes different materials and its ability to deliver a uniform, precise and efficient spreading pattern. It provides many advantages in the exploitation of natural, organic fertilisers.

Quality and versatility
All SAMSON SP-Spreaders are fitted with double, vertical beaters. These were designed in collaboration with end users for the application of heavy and compact materials. Therefore the SP-concept is an excellent choice for high amounts of output. The spreader can be fitted with a fixed lower deflector as well as a distribution device for lighter materials. The low tractive effort required leads to reduced fuel consumption, making the spreaders very economical to use.
Robust and durable

As is the case with all SAMSON AGRO equipment, the SP-Spreaders are produced using high strength steel. Which ensures extreme robustness with low weight. The linear conical designed box of the SP-Spreader is unique. It guarantees a natural flow of the spreadable material to the spreading device ensuring optimal output rates. The inside top width of 2m gives an impressive load capacity. The front side is fitted with a wide mesh grid, allowing good visibility for the driver.

Optimal spreading

A double flat link chain ensures a regular feed to the spreading device. The chain is made of high tensile steel and is driven by a powerful motor. The drive is possible in both directions. The chain links are extremely wear resistant, with an impressive long working life and low maintenance costs. The self-cleaning L-shaped carriers cover 95% of the box bottom area. The automatic hydraulic chain tensioner always ensures that the tension is suitable for the spreading material, thus extending the life of the chain. The ease of use and the regulated tension guarantees low maintenance costs, with high resistance to wear and tear.

Vertical Samson Agro rolls – experience and precision

As the world’s first manufacturer of spreaders with double vertical beaters, SAMSON AGRO has invested its experience in the construction of equipment for the optimal and uniform distribution of solid organic fertilizer. The construction of the beaters allows spreading rates from 4 ton to 70 ton per hectare. This is based on a unique concept of the beaters, with the winding gradient in the first lower third being reversed. Through use of the powerful mobile mounted deflectors the material is perfectly distributed, with exposure to wind minimised. The formed and twisted knifes of hardened steel also provide optimum resistance to wear and tear.

Unique monoblock triple housing

The high-performance monoblock triple housing gearbox exclusively manufactured by SAMSON AGRO, delivers an extremely high rotational speed to the beaters enabling excellent shredding of the material. The integrated elastic couplings guarantee that foreign objects are transferred safely.

The large amount of oil ensures a constant high performance as well as natural cooling. It also helps to prevent the formation of cracks and ensures an exceptionally long life.
High Quality Workmanship

The standard equipment of the SP series includes:

- PTO wide angle with automatic safety clutch
- Drawbar coupling, Sharmüller K80, with height adjustment
- Lubricated roller bearings
- Hydraulic control of the chain speed and manual override
- Ladder
- Excellent visibility through the mesh front grid

For increased traffic safety the SP 9, 11, 12 and 15 can be fitted with hydraulically foldable rearlights and mud guards.

For optimal traction in all conditions a central hydraulic system can be fitted to the SAMSON AGRO SP-Spreader.
A hydraulic gate can be mounted on all SAMSON spreaders. The hydraulic gate is galvanized and prevents waste from falling of the spreader during transport. Furthermore, the slurry gate functions as a proportioning mechanism during spreading of pulverized and highly concentrated materials. As an extra option a level indicator can be attached.

Intelligent counter, exclusive to SAMSON AGRO, ensures the traceability of the number of loads. Possibilities include a total count or day count. Load Logger is controlled from a sensor located on the main gearbox.

An optional return flow filter ensures clean hydraulic circuits. Maintenance costs are reduced significantly especially for cooperatives with different tractors pulling the spreader.

The Muckmaster 1000 is a dosing computer unit that controls the speed of the chain floor hydraulically and adjusts it according to the actual speed of the tractor. This way, the dosing capacity is kept constant regardless the speed of the tractor.

In addition to the standard hydraulic control, SP-Spreaders are equipped with MuckControl, which electronically controls the speed of the chain floor.

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All SP-Spreaders are fitted as standard with rubber shock absorbers on the drive triangle. Thus, the power transmission and traction are optimised, providing maximum driving comfort. The low center of gravity and the large wheelbase also ensure optimum manoeuvrability and comfort in all conditions.
» **Long working life**
- Proven and solid construction
- High Strength steel is used in the construction of the SP series
- Fully welded seams, without exception
- Cutting knives made from hardened steel that is extremely resistant to wear and tear
- Exclusive and unique to SAMSON is the mono-block triple housing gearbox that ensures a long working life
- High safety with the integrated elastic couplings
- Long working life. Many SP-Spreaders are still in use after 20 years of operation
- Double flat link chain. For a more regulated feed - dual directional rotation of the chains - low maintenance costs
- High-quality workmanship - double-layer polyurethane coating

» **Optimal spreading**
- Unmatched output performance
- Excellent shredding capabilities, precise spreading pattern
- Linear conical box design offers unique advantages for better flow of the materials towards the spreading device
- Versatility, suitable for all materials
- Double vertical beaters from SAMSON with the winding gradient in the first lower third of the beaters being reversed, delivering unmatched spreading consistency
- Extremely constant distribution of the spreadable materials with low exposure to wind
- Robust gear motor with a spreading capacity of 4 to 70 tons per hectare
- Safety during transport and no material falling on the road due to the use of the hydraulic back gate

» **Extreme efficiency**
- Perfect stability with a low centre of gravity - faster transportation and increased profitability
- Large wheel dimensions and reduced power requirements
- Low loading height – faster loading and increased productivity
- Application angle of the beaters – intelligent design
- Optimal beater diameter and rotational speed
- Comfortable to drive
- User friendly with a complete selection of accessories

» **Reduced fuel consumption**
- Lower weight and therefore reduced power requirements
- Improved power transmission allows the use of larger wheels and reduces rolling resistance

» **Our experience - your advantage**
- SAMSON has over 65 years of experience in the business of spreading organic fertilisers
- SAMSON was the worlds first manufacturer to build spreaders with double vertical rolls
**CAPACITIES**

Alliance 600/65 R34 - A365
Alliance 18.4-15 x34 Diagonal
Alliance 620/75 R26 - A375

**Attelage:**
- Freinage:
- Transmission:
- Hydraulique:

**Volumes de chargement (dôme compris)**

<table>
<thead>
<tr>
<th>Type in mm</th>
<th>Diameter</th>
<th>A</th>
<th>B</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G (SP9/SP11)</th>
<th>G (SP12/SP15)</th>
<th>Weight Empty (kg)*</th>
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* The weight is dependent on the configuration of the machine

**TECHNICAL DATA**

**SP9 and SP11**

**SP12 and SP15**

**NR: 5000136-002**
**NR: 5000139-002**
**NR: 5000141-002**
**NR: 5000142-002**

**NR: 5000831-002**
**NR: 5000830-002**

*Lors des déplacements routiers, la législation locale doit être respectée.*

Charge maxi sur essieu (route) : 9160kg

Charges admissibles :

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