



straumann



Short-cut forage wagon

Super-Vitesse^{CFS}



Extraordinarily easy-towing – The Strautmann Super-Vitesse^{CFS}

Super-Vitesse^{CFS}

With particularly low drag resistance of the unique Continuous Flow System (CFS).

- Loading capacity of 29 – 33 m³
- CFS unit
- Efficient
- Easy towing

Powerful spiral rotor

with welded-on tine plates for optimum protection of fodder and maximum cutting quality

Solid multi-purpose superstructure for use as a transport vehicle



Efficient charging

by means of the unique CFS unit

Exact cutting

by means of the 39-knife Double-Cut cutting unit

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Continuous Flow system

– the system for efficient charging

The CFS unit

Due to the interaction of different components, the CFS unit ensures excellent charging performance with little power required. Pick-up, CFS roller, rotor and Double-Cut cutting unit are

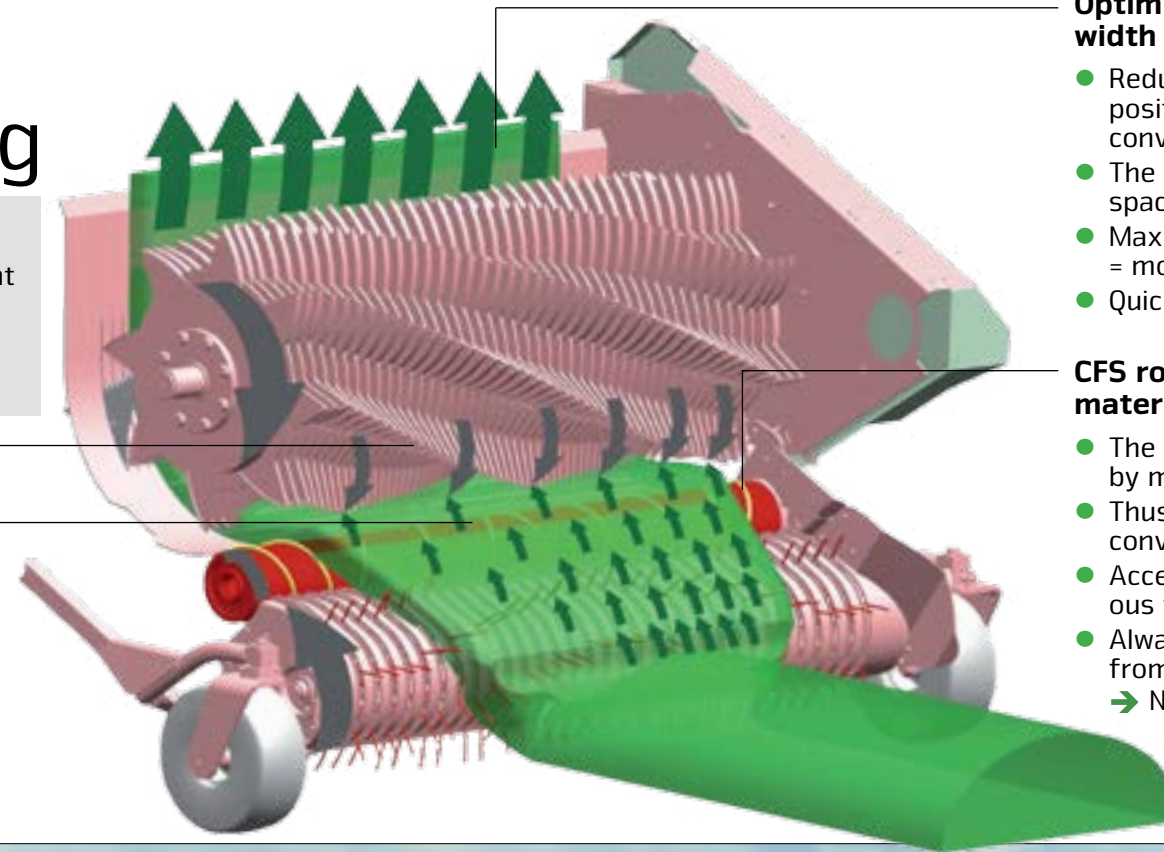
ideally matched to each other and complement each other perfectly. This results not only in excellent cutting quality but also in easy towing, thus saving power, money and time.

Cutting unit & rotor: Exact cutting due to perfect interaction

- Tine plates welded on the rotor for uniform scissor-type cut
- The small distance between rotor tines and knives ensures an exact cut with little power required

Pick-up: Gentle picking-up of grass and dispersal of swathe

- Camless pick-up
- Plastic strippers
- 1,80 m in width
- 6 tine rows placed in V-shape disperse the grass
- Due to the additional CFS roller, the pick-up is in a very flat position
→ Optimum adaptation to ground



Optimum filling degree over the entire width

- Reduced power requirement due to higher positioned rotor and thus shortened conveyor duct
- The material is conveyed into the cargo space over its entire width
- Maximum and homogeneous filling degree = more weight per m³
- Quicker charging with less power required

CFS roller: Dispersal and acceleration of material

- The CFS roller disperses the loaded material by means of the special welded-on layer
- Thus, the loaded material is homogeneously conveyed to the rotor over the entire width
- Acceleration of material ensures homogeneous flow of material without any hesitation
- Always identical delivery of loaded material from pick-up to rotor
→ No fodder piling up



Rotor and cutting unit – For optimum fodder quality



Powerful & gentle

- Feeder rotor with 6 tine rows
- Helically arranged
- Consistent torque without peak loads

Perfectly adapted to exact cutting

- Strippers and tines are arranged at a large angle to each other
→ Careful handling of fodder and saving of energy
- Welded-on tine plates ensure permanent precise cut
- Special armouring on top of the tine plates as anti-wear protection

Rotor drive

- Large-sized gearbox
- Stress-free drive
- Long service life of all drive components

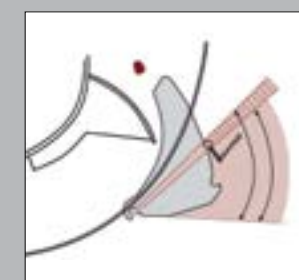
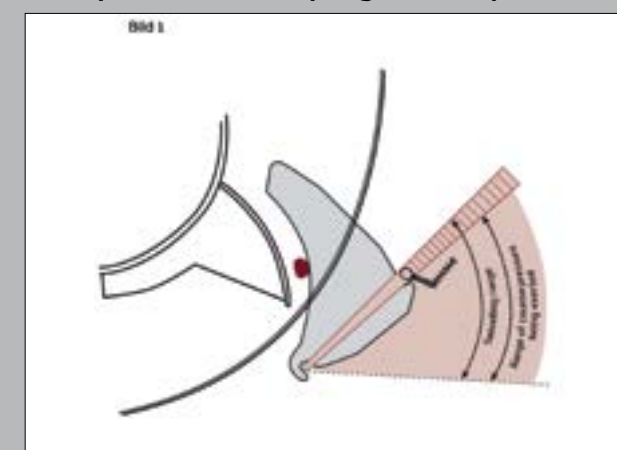
Extremely sleek for convincing results

- 39-knife Double-Cut cutting unit
- Cutting length of 39 mm
- Knife change without use of tools
- Knife bar can be hydraulically swivelled out



Sharp knives at any time – Thanks to the quick release system

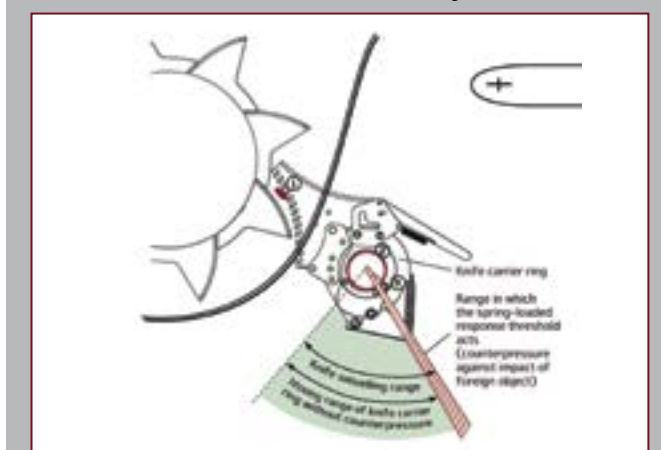
Knife protection with spring counter-pressure



Spring tension holds the knife in the duct even in the event of the knife coming into contact with a foreign object. As a result of the constant spring tension, the knife blade becomes blunt due to the greater force acting on the blade through the foreign object.

Result: The counter-pressure acts over the entire swivelling range of the knife.
→ Wear / Blunt blade

straumann Protection system



The power required to activate the knife protection system is almost identical at all points of the knife. The knife protection system is already activated when a foreign object comes into contact with the bottom part of the blade. Due to the fact that the knife is not held in the duct by means of spring counter-pressure, it swivels out before the rest of the blade may be damaged. The principle is similar to that of a cam-type cut-out clutch.

Result: Knife swivels out early enough
→ Less wear and longer service life of knives

Floor & superstructure



Slip-proof transport floor

Even feed due to:

- 11 mm strong, high-strength round steel chains with a breaking load of 15 t each
- Screwed with handy profile strips with U-shaped cross-section
- Automatic chain tensioners for minimum amount of maintenance



Powerful drive

- Optional 2-speed transport floor drive
- Standard bumper buffer



Perfectly covered

- Optional conveyor duct cover
- Ideal for use e.g. in maize harvesting
- Divided sheet metal plates for comfortable handling

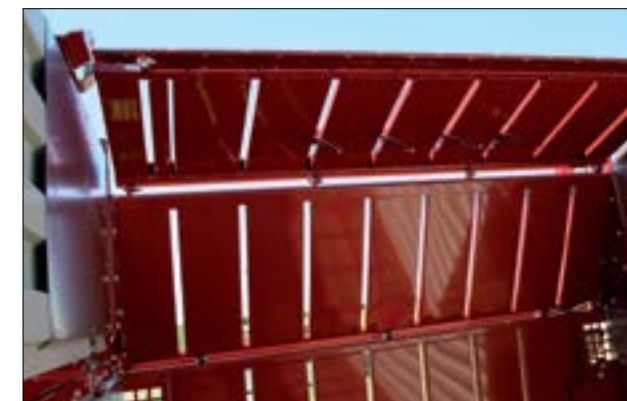
Solid superstructure

- All-steel superstructure
- Side panels with reinforced side posts provide stability
- Superstructure brackets with ropes for ideal load securing (optional)



Optimum filling degree

- Load-protection bars prevent the fodder from overflowing
- Optional automatic charging system
- Presetting of filling degree possible
- When the loaded material presses against the feelers of the automatic charging system, the transport floor starts to run



Practical harvesting plate

- Inward-folding front grating
- Hydraulic version as an optional extra, standard manual version
- Low discharge height, e.g. when harvesting

Easy access

- Convenient access door
- Folding ladder
- Ladder galvanised for long service life



Clever dosing



Robust drive

- Driven by large-sized roller chains



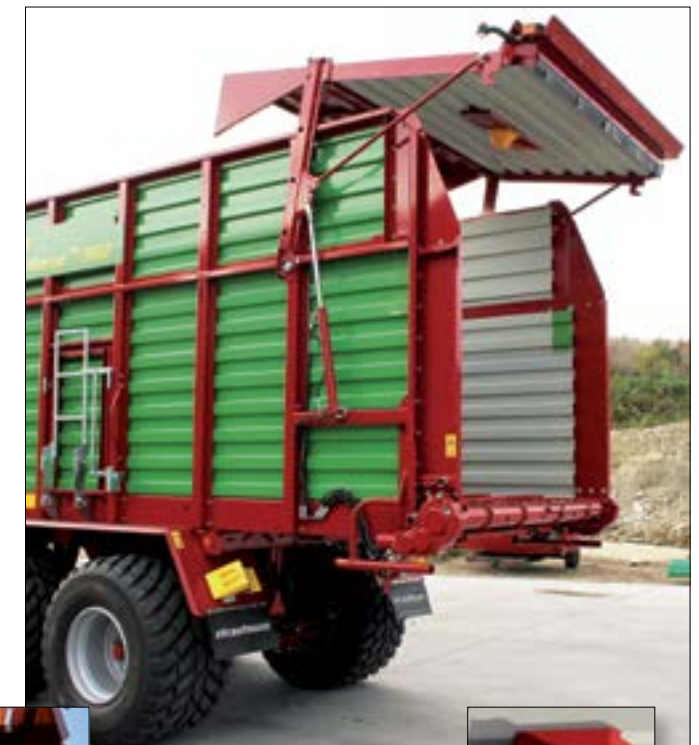
Fresh grass feeding by means of crossover conveyor

- Optional crossover conveyor behind the beaters
- Can be easily removed



Effective beaters

- Standard dosing unit equipped with 2 beaters
- Equipped with aggressive ripping tines
- ➔ When the wagon is full, the bottom beater is able to evade to the rear thus stopping the transport floor feed via a sensor



Solid tailgate

- Wide opening option for quick discharge
- With integrated pressure switch for level indicator (on wagons without dosing unit)



Safety & comfort – On the road and on the field



Different chassis options ensure optimum driving comfort and safety at any time:

Boogie tandem chassis

- Standard equipment
- Chassis with parabolic suspension for an admissible axle load of 16 t
- Optional 18 t Fahrwerk chassis



Passive steering axle

- Optional equipment
- Excessive friction of wheels on the ground is prevented



Electronic forced steering axle

- Optional equipment
- The SES system („Strautmann Electronic Steering“) provides a high degree of driving stability
 - ➔ Adjustment of steering angle to the speed
 - ➔ Excellent manoeuvrability of the Super-Vitesse ^{CF5}

Optimum adaptation to ground

- Guide wheels at the pick-up ensure flexible adaptation to the ground
- Optionally available with additional guide wheels behind the pick-up for easier working even on soft or wet ground



Bottom hitch

- Bottom linkage with coupling head
- Up to a tongue load of 4 t



Easily aim high

- Standard hydraulic folding drawbar
- With double-acting cylinders
- For comfortable and easy travelling over the silo
- Optionally available with hydraulic drawbar suspension



Comfortable operation

Several operating options enable an adapted and easy operation of the Super-Vitesse^{CFS}

Electro-hydraulic easy-to-use control set

- Standard equipment
- Operation of hydraulic functions via toggle switch
- Comfortable & easy



Field Operator 120 / 130

- Optional
- Illuminated soft keys for comfortable operation
- Optimum control of the discharging process, the transport floor and the additional functions
- Also suitable for less experienced drivers

additional settings 130

- Big colour display
- Automatic adjustment of drawbar in every work mode



Field Operator 120

ISOBUS-terminals

Due to the compatibility of the Strautmänn ISOBUS control, the following terminals can be used for the Strautmänn forage wagons:



Field Operator 130



WTK Elektronik



Fendt



Müller Elektronik



John Deere

ISO 11783

The ISO control crucially contributes to reduce the stress of the operator, as functional sequences can be combined in work flows (AI and AII) and sensors permit a better control of the machine.

Thus, information about the steering axle, the tailgate and the position of the knives is provided by means of status indicators.

We are in close contact with other manufacturers. Please do not hesitate to contact us for any enquiries regarding compatibility.

Short-cut forage wagon Super-Vitesse^{CFS} 3102/3502/3102 DO/3502 DO

Technical data

Type		Super-Vitesse ^{CFS} 3102	Super-Vitesse ^{CFS} 3502
Dimensions			
Length m (without/ with dosing unit)	m	8,80/9,40	9,60/10,25
Width of vehicle	m	2,55	2,55
Outside wheel width	m	2,75	2,75
Height	m	3,95	3,95
Loading capacity according to DIN 11741			
Loading capacity, medium compression	m³	29,0	33,0
Dead weight, standard equipment			
with dosing unit	kg	6,900	7,100
Gross vehicle weight rating			
- bei Obenanhangung	kg	18.000	18.000
- with bottom linkage (up to 40 km/h)	kg	19.000	19.000
Power required			
Dimensions with tyres	kW/HP	88/120	95/130
		710/40 R 22,5	710/40 R 22,5

Figures, technical data and weights may change due to technical development and are not binding for delivery.





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Strautmann main production facility in Bad Laer

www.strautmann.com

B. Strautmann & Söhne GmbH u. Co. KG is a medium-sized family-owned company from the administrative district of Osnabrück having already celebrated its 80th anniversary of existence and now being managed by the third generation. In a modern plant at the second production site in Lwówek (Poland), Strautmann manufactures individual machine components and, apart from that, also parts of the machine

programme such as tipping trailers, all-grip buckets or shear grabs. As a machine manufacturer offering a wide range of machinery for cattle feeding, green fodder harvesting, universal spreader and transport technology as well as in the field of charging and dosing technology for biogas plants, Strautmann is the competent partner for almost any customer in this industry.



Pol-Strautmann



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