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Short-cut forage wagon

Super-Vitesse ^{CF5}



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



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

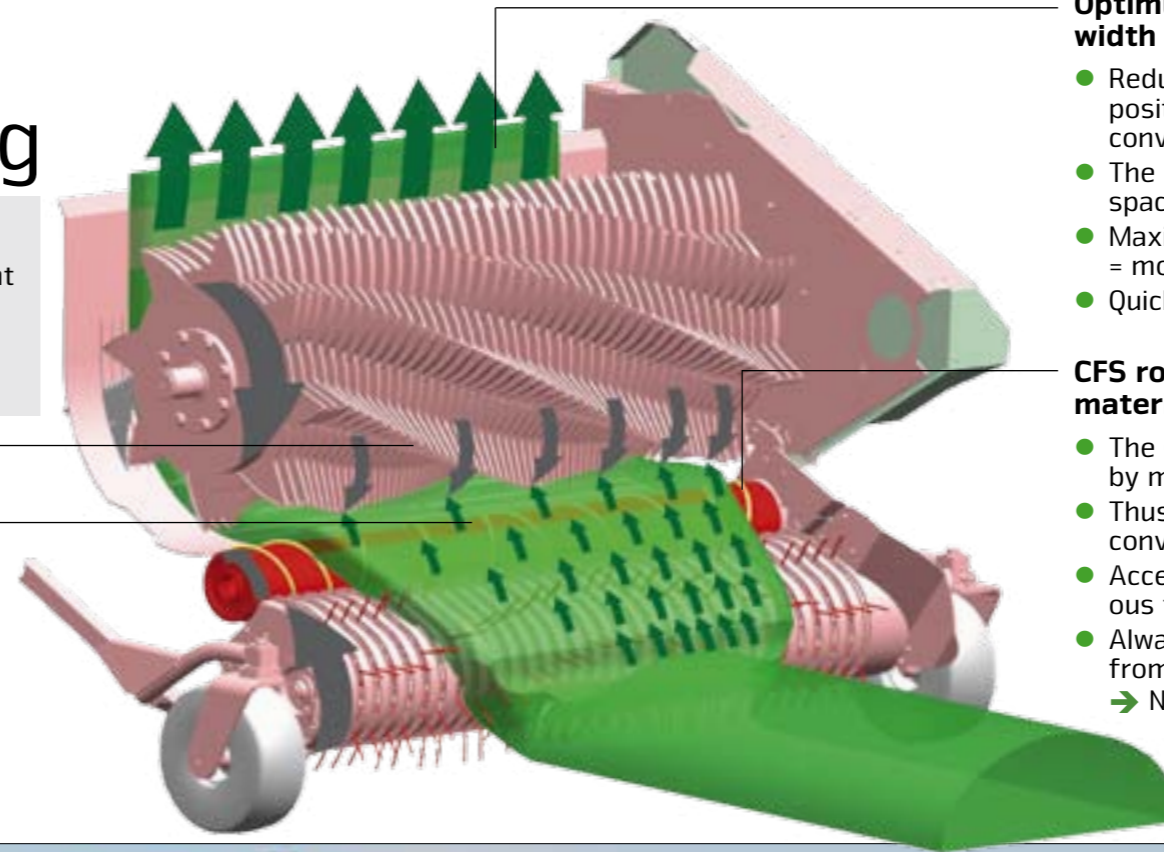
ideally matched to each other and complement each other perfectly. This results not only in excellent cutting quality but also in easy towing, thus saving power, money and time.

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 armoring 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

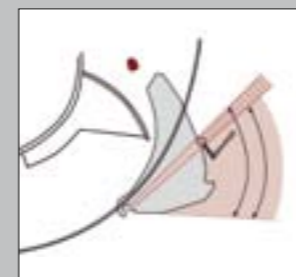
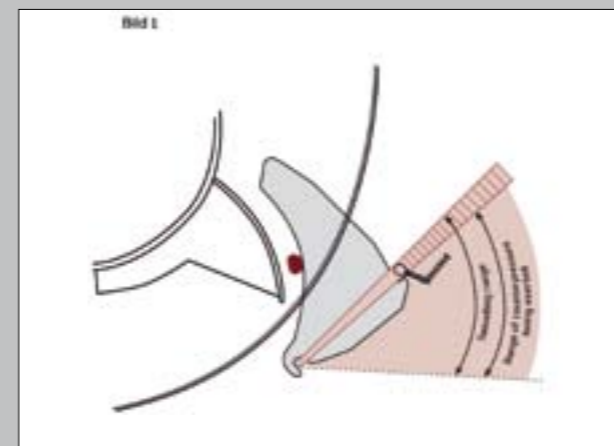
Extremely sleek for convincing results

- 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 patented quick release system

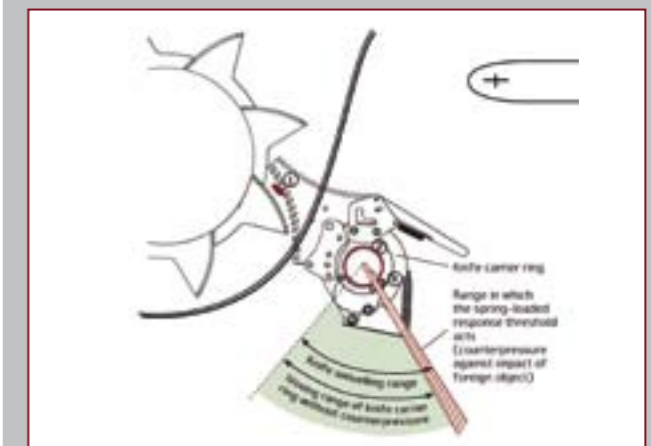
Knife protection with spring counter-pressure



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

Patented **Strautmann** 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

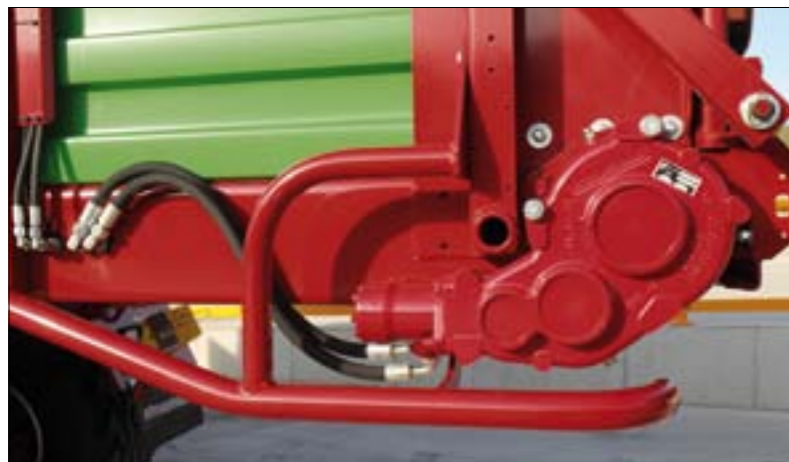
Floor & superstructure



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



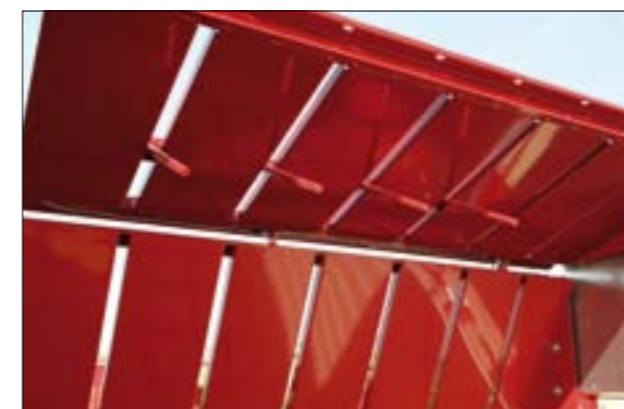
Solid superstructure

- All-steel superstructure
- Continuous side panels with reinforced stanchions provide stability
- Upper part of superstructure can be folded down
- Superstructure brackets with ropes for optimum securing of loaded material



Optimum filling degree

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



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



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



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 ^{CFS}



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



Strautmann ISOBUS control set

- 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



ISOBUS terminals

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



WTK Elektronik



Fendt



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 | | 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 |
| Capacity | | | |
| Loading capacity according to DIN 11741 | m ³ | 29,0 | 33,0 |
| Loading capacity, medium compression | m ³ | 50,8 | 57,8 |
| Weight | | | |
| Dead weight, standard equipment | kg | 6,900 | 7,100 |
| with dosing unit | kg | 7,400 | 7,600 |
| Gross vehicle weight rating | | | |
| - bei Obenanhängung | kg | 18.000 | 18.000 |
| - with bottom linkage (up to 40 km/h) | kg | 19.000 | 19.000 |
| Power required | kW/HP | 88/120 | 95/130 |
| Dimensions with tyres | | 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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