



Forage trailer **Super-Vitesse**



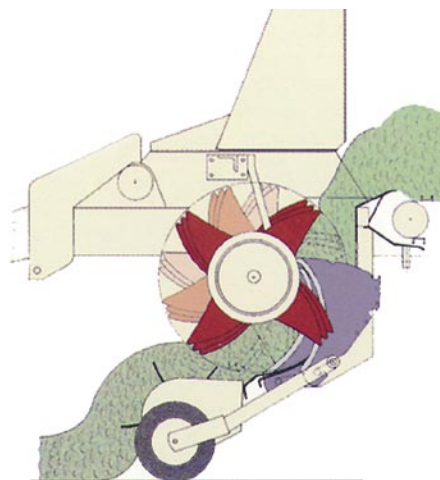
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Easy to trail with fodder protection

The appeal of the Super Vitesse lies first and foremost in its easy trailing and tremendously high performance qualities. Maintenance and repair work is reduced to a minimum thus ensuring high profitability especially for machinery pools and large sized farms.

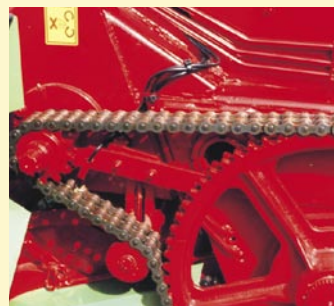
Feeding unit with cutting assembly consisting of 37 knives

- Robust feeding rotor with staggered conveyor blades in four rows, subdivided three times over on various levels
- Driven on both sides via strong duplex chains
- Hardly any moving parts - only two lubricating points
- Individual knife securing mechanism with knife quick-change system



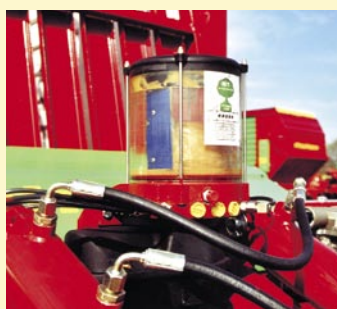
Loading rotor

The extremely strong loading rotor consists of a thick-walled central tube with 80 mm thick shaft ends and ball bearings of robust design. The conveyor blades welded to the central tube are made of high-grade grain refined steel of 10 mm size. No danger of bending by foreign objects.



Drive

The two-sided rotor drive via solid duplex chains ensures even power transmission. The loading forces acting on the drive components are thus divided in half and torsions at the rotor drum are excluded.



Automatic chain lubrication

An automatic chain lubrication device (grease) can be attached on request for the driving chains of the loading rotor and the pick-up. It will reduce the chain wear considerably. As an option, this device can be extended to all lubricating points of the vehicle.



Cutting unit

The long cutting knives of the Super Vitesse ensure an especially light, pulling cut. Each of the 37 knives mounted on two floors, is secured by an individual knife security mechanism. The theoretical cutting length is 37 mm. The complete cutter bar is swung in and out by means of a hydraulic system. With a manually swung out of the second cutter bar the number of knives can be reduced to 19 pieces in next ton o time.



Pick-up

The Super-Vitesse pick-up with a width of 1.80 m has been designed for highest harvesting performance. 6 tine rows with a tine distance of 55 mm ensure a clean picking-up of the forage material. The standard guide roller in front of the baffle plate ensures a better swathe guiding speed when picking up the partly-wilted silage.



Steerable roller feelers

Large steerable roller feelers with rubber tyres can be adjusted via a precision adjustment mechanism thus ensuring a regular adaptation of the pick-up to soil conditions at all times.



Securing loaded material

As an optional extra, all Super-Vitesse models can be equipped with a reinforced body tarpaulin covering the front third of the cargo space thus securing the loaded material and avoiding loss of loaded material on the road even in case of optimum filling. In addition the lader wagons without a dosing unit can be equipped with a tarpaulin above the tailgate.



Loading, transport and metering

High-grade filling of the forage trailer, is required for powerful and economic transport of the fodder into the silo. Depending on the local conditions, there are several discharge options for the vehicles. For discharge onto the silo, we recommend the 3-roller metering unit by means of which a uniform blanket is discharged. Thus, the distribution and compression effort is reduced to a minimum.



Transport floor

The hydraulically driven transport floor consists of 2 strong round steel chains with a diameter of 11 mm and high-grip U-profile mounting rails. The Super-Vitesse models 3001-H / 3001-H DO / 3401 und 3401 DO are equipped with 4 round steel chains each.



Double transport floor

The standard equipment of the Super-Vitesse models 3001-H, 3001-H DO, 3401, und 3401 DO comprises a double transport floor. The 4 chain strips made of high-tempered material have a tensile strength of 11 t each. The transport floor of the Super-Vitesse models 3401 und 3401 DO is equipped with a two-speed feed motor.



Body

All Super-Vitesse models have a solid silage body as standard equipment. For the SV 2701 und Super-Vitesse 3001 models, a silage body with hydraulic top scissors grating can be delivered on request. When folded down, the total height is 3,01 m. This option qualifies the Super-Vitesse to feed fresh grass even in low barns.





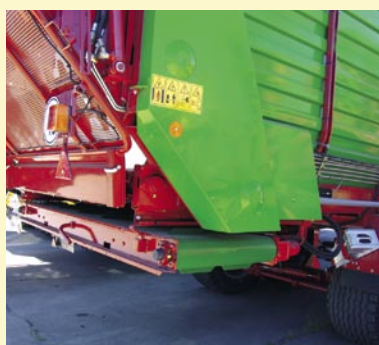
Tailgate

The forage trailers are equipped with a solid tailgate with hydraulic locking mechanism. It can be opened wide for quick discharge. An electrical pressure switch for the level indicator is integrated in the tailgate. If the trailer is full, the green fodder presses against this switch thus operating acoustic and visual alarms in the tractor cab.



Metering unit

Two metering drums equipped with aggressive rip tines ensure a regular swathe distribution on the stack without any winding. As an option, the metering unit is also available with 3 drums.



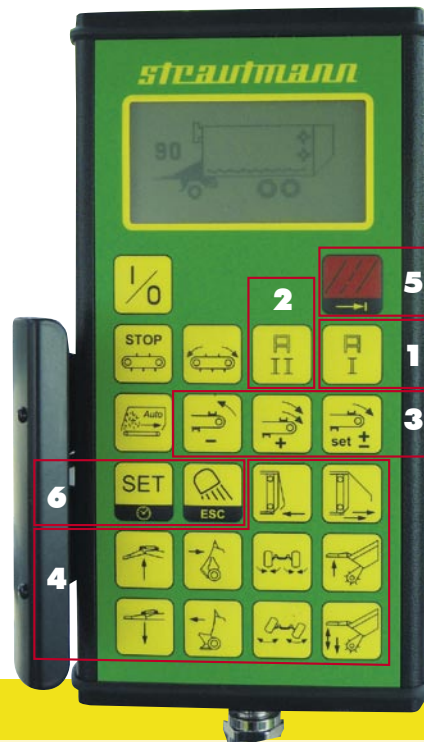
Cross conveyor

Models with rear discharge rotors can be equipped with a cross conveyor as an optional extra to feed fresh grass in zero-grazing operations. The wide conveyor can be easily removed when the machine is used as a silage trailer. This equipment implies the operation of the Super-Vitesse about the ISO-Terminal.

All functions under control

Operation

The standard electro-hydraulic easy-to-use control system consists of a clearly arranged control unit where the hydraulic functions are actuated by means of toggle switches. Among others, control lamps for some of these functions as well as the infinitely variable speed adjustment for the scraper floor are integrated in this terminal. This control system makes the use of the machine very simple and safe, even for inexperienced drivers. Super-Vitesse can optionally be equipped with a BUS control based on ISO standard.



ISO operation dosage wagon

1. Unloading process before driving over the silo (A I)
 - Lock steering axle
 - Lift hydraulic drawbar
 - Drawbar suspension off
2. Discharge procedure on the bunker silo (All)
 - Open tailgate
 - Switch gearboxes and clutches
 - Scraper floor on when metering rotors are running, the scraper floor is switched off if the speed falls below the admissible limit.
3. Manual scraper floor control
4. Operation of additional functions
 - PU, knives, hydraulic drawbar . . .
5. Road travel
 - Lock all functions
 - Lower hydraulic drawbar
6. Set key
 - Setup menu
 - Work lights on/off

ISO terminals

which can be used for control of the forage trailers according to the Strautmann ISO control.



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 All) 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.



JOHN DEERE



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



Safe to use

The driving comfort



Spring-loaded tandem bogie axle

The axle unit of the Super-Vitesse consists of a bogie axle mounted in asymmetrically fixed bearing. Thus, the centre of gravity is shifted to the rear and the loading forces acting on the front axle are reduced. It is much easier to run over the stack that way.



Steering axle and high chassis

The SV models 3001-H and 3401 can be equipped with a trailing steering axle on request to prevent the wheels from being excessively worn on the ground. In addition this Equipment avoids damages on the turf. The chassis of these models have been designed for high-volume tyres. As an alternative to the standard 500/55-20 (12 PR) tyres, either 550/45 R22.5 tyres or 600/40-22.5 (12 PR) tyres can be used.



Hydraulic folding drawbar

The standard equipment of the Super-Vitesse includes a hydraulic folding drawbar with double-acting cylinders to run over the stack. This ensures a large ground clearance of up to 64 cm.

Low drawbar

The Super-Vitesse models can be optionally equipped with a bottom hitch with coupling head (fig. shows export version with drawbar lug) and ensuring low-maintenance linkage free of clearance and safe road hold of the combination of tractor and trailer.

Tyres



Conti MPT Multi



Trelleborg „RT 306“



AW Profil



Vredestein Flotation Pro



Vredestein Flotation Plus

Forage trailer Super-Vitesse

Model Super-Vitesse		2701	3001	3001-H	3401	2701 DO	3001 DO	3001 DO-H	3401 DO
Total length	m	7,90	8,60	8,60	9,40	8,60	9,30	9,30	10,10
Total width	m	2,37	2,37	2,37	2,37	2,45	2,45	2,45	2,45
Total height									
Silage body (Standard)	m	3,70	3,70	3,80	3,80	3,65	3,65	3,82	3,82
Silage body with scissors grating									
unfolded	m	3,48	3,48	-	-	3,44	3,44	-	-
folded down	m	3,01	3,01	-	-	3,02	3,02	-	-
Loading capacity acc.DIN	m ³	25,0	28,0	28,0	32,0	25,0	28,0	28,0	32,0
Loading cap. medium press.	m ³	42,5	47,6	49,0	56,0	42,5	47,6	49,0	57,8
Gross vehicle weight rating	m	1,80	1,80	1,80	1,80	1,80	1,80	1,80	1,80
Optional	kg	12000	12000	15000	15000	12000	12000	15000	15000
Tare weight	kg	4850	5050	5950	6150	5350	5650	6450	6650
Power take-off speed	RPM	1000	1000	1000	1000	1000	1000	1000	1000
Power required from	kW(HP)	66 (90)	74 (100)	82 (110)	88 (120)	66 (90)	74 (100)	82 (110)	88 (120)
Measurements with tire-option		505/50 R17 (10 PR)	505/50 R17 (10 PR)	500/55-20 (12 PR)	500/55-20 (12 PR)	505/50 R17 (10 PR)	505/50 R17 (10 PR)	500/55-20 (12 PR)	500/55-20 (12 PR)

All diagrams, technical data and weights are subject to change by way of ongoing technical development of our products and are therefore not binding for delivery.

Programme
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B. Straumann & Söhne GmbH u. Co. KG • Bielefelder Straße 53 • D-49196 Bad Laer
Tel. +49(0)54 24/8 02-0 • Fax +49(0)54 24/8 02-76
kontakt@straumann.com • www.straumann.com