



**straumann**



*Universal spreader*

**VS spreader  
1205 – 2005**



# VS 1205 – 2005

Strong in many fields



**Maximum stability**

All-steel trough, completely welded

**Robust transport floor**

with round steel chain or optional flat-link chain

**Strautmann universal spreaders are exactly the right option for you,**

- ... if you consider manure to be a valuable fertiliser.
- ... if you want to accurately spread manure.
- ... if you want to spread earth-moist lime and compost.
- ... if you spread manure in standing livestock.



### High power

- due to a spreading unit clearance of 1.55 m

### Long-lasting precision

due to robust spreading unit with Hardox wearing parts: Spreading tines, throwshovels and wearing plates

## Strautmann Universal Spreaders

- Accurate
- Robust
- Powerful

With nearly 60 years of experience, Strautmann has continuously developed and adapted the Streublitz to the needs of convinced customers. Join those who benefit from our experience!

Strautmann is setting standards in terms of stability, long service life and flexibility. A high degree of stability under load and a long service life are the most important features that characterise a spreader.



Streublitz with side loader from 1957

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## Dosage gate

- For dosed spreading of fine-grained spreading components such as sewage sludge or compost.

## Milling tines/Spreading beaters

- Segment beaters with screwed milling tines
- Easily rotatable and replaceable

## Boundary spreading device

- Mechanical or hydraulic operation
- For spreading along field edges or waters
- Exact and clean working
- Available for left-hand or right-hand side

## Universal spreading unit\*

- Spreading width of up to 24 m
- Accurate lateral distribution
- Exact spreading pattern
- Maximum throughput rate

## Spreading discs

- Wearing plates & throwshovels made of Hardox for extremely long service life

## Spreading unit drive

- Driven by reinforced roller chains
- Automatic chain tensioners – low maintenance and low wear
- Optional automatic lubrication system for spreading unit drive chains
- Reinforced drive shaft bearing

## Cardan shaft drive (option)

- The professional version
- Cardan shafts instead of chains
- Angular gears instead of chain wheels
- Low amount of maintenance required with long service life

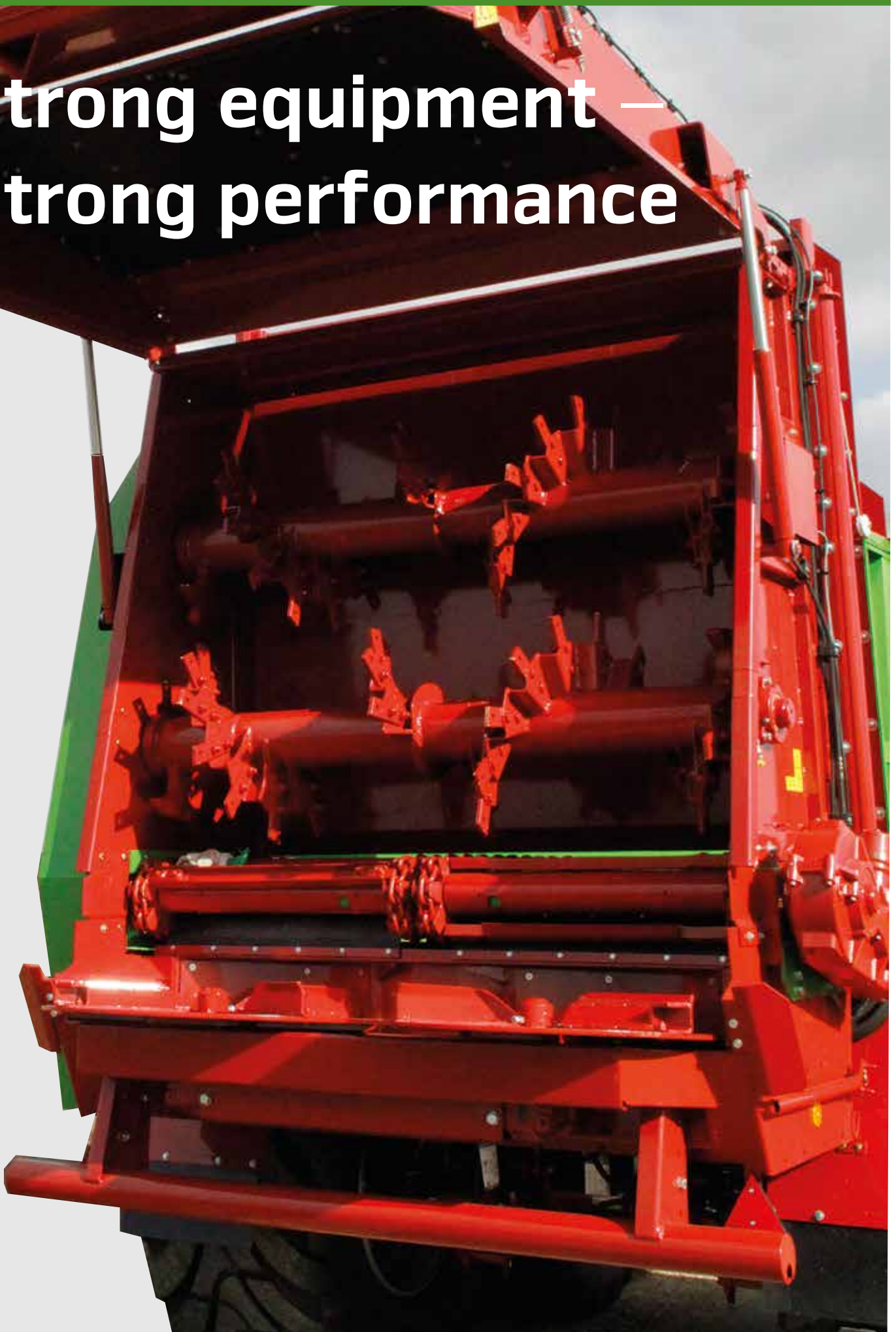
## Adjustment of spreading unit bonnet

For optimum spreading quality

- ➔ Easy adjustment of dosage gate enables adaptation to any kinds of spreading material and conditions
- ➔ For uncompromising precision
- ➔ Saves power & diesel



# Strong equipment – Strong performance





# Robust equipment for demanding applications



## Robust all-steel trough

- Side panels completely welded
- Canted side panels & large-sized side posts

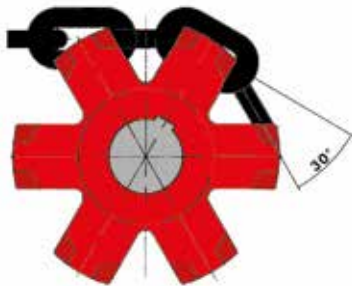
## Transport floor

- 14 mm strong round steel chains with a breaking load of 25 t each
- Clean motion without any problems even in case of sticky spreading materials due to roof profile on every third transport floor strip
- Driven by large-sized gearbox with hydraulic motor



## Compost extensions

- 300 mm in height
- Inclined outwards
- ➔ Increase the loading capacity
- ➔ Protect against loss of loaded material and soiling



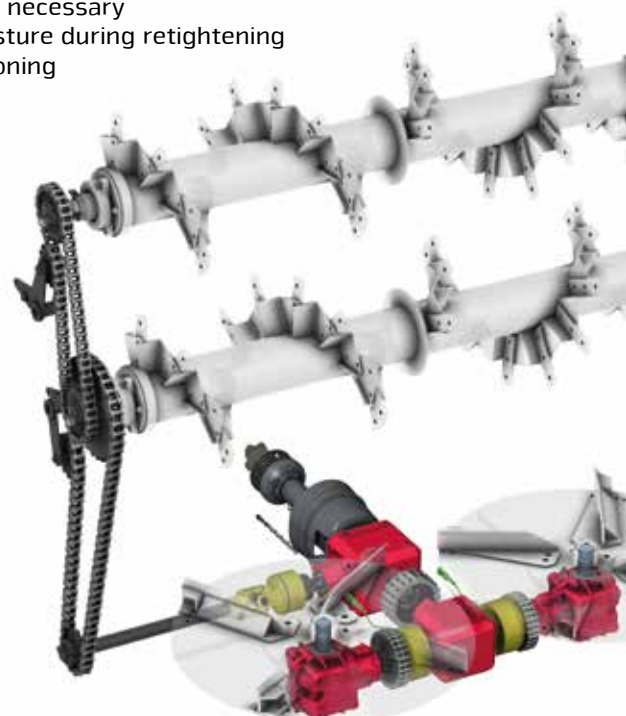
## Sprockets

- Self-cleaning
- Small turning angle reduces wear and increases the service life of the round steel chains.



## Automatic tensioning of transport floor chain

- Easy visual check of tension at the front
- Easy retightening of chain if necessary
- Upright and comfortable posture during retightening work due to optimum positioning
- Reduces wear
- ➔ Saves costs





### Single axle

- On the VS 1205 model
- Large tyres possible



### Tandem boogie axle

- On the VS 1605 - 2005 models
- Good driving characteristics
- Optimum adaptation to ground
- Available with passive steering



### Lift axle on tandem assembly (optional)

- No negative tongue loads – even when the spreader is half-empty
- Optimum transmission and utilisation of the tractor's tractive force
- Minimised tyre wear



### Mechanical drawbar suspension

- Standard equipment
- For more driving comfort and safety



### Forced steering axle system

- Optional extra on the VS 1805 & 2005 models (hydraulic on the 1805 model, electronic on the 2005 model)
- Protection of ground, tyres and chassis during cornering
- For more driving comfort and safety while driving in reverse gear

### Drive protection

Separate protection of spreading unit and each individual disc by means of cam-type cut-out clutch

- Gearboxes (red) are protected against damage
- Separate cam-type cut-out clutches (yellow) enable more accurate distribution of power and offer more reliability
- Speed monitoring of spreading unit components ensures automatic transport floor stop if the speed falls below the minimum value



# The Strautmann operating options



## ISOBUS operation and spreading quantity control

- Ideally adapted to the spreader by means of the Field Operator 120
- Intuitive operation due to clear push button design
- Status conditions of machine and integrated transported loads counter
- Spreading quantity control by volume and via weighing system



## Field Operator 300 with field handle

- Universal ISOBUS terminal
- Interface for GPS antenna & exchange of data with the farm PC
- Comfortable operation by means of soft keys and joystick
- Main keyboard with night design for optimum working in the dark



## Transported loads counter

- ➔ As a supplement to direct connection and easy-to-use control
- Transported loads are counted (erasable)







#### Direct connection

- Simple & robust
- Adjustment of transport floor speed via oil flow control
- Operation from the tractor seat
- With speed monitoring & automatic transport floor stop



#### Electro-hydraulic easy-to-use control

- Easy & safe operation
- Infinitely variable electric adjustment of transport floor speed via potentiometer
- Speed monitoring with automatic transport floor stop









# Technical data



## Universal spreader VS 1205 – 2005 (40 km/h)

### Technical data

Model		VS 1205 Single axle	VS 1605 Tandem axle	VS 1805 Tandem axle	VS 2005 Tandem axle
<b>Dimensions</b>					
Overall dimensions					
Length (4-beater / 2-disc wide-angle spreading unit)	m	7,93 / 8,14	7,93 / 8,14	7,93 / 8,14	8,43 / 8,64
Outside wheel width	m	2,75	2,55	2,65	2,81
Height	m	3,34	3,18	3,18	3,57
Charging height	m	2,54	2,58	2,58	2,77
Dead weight					
- 4-beater spreading unit	kg	5.900	6.700	6.800	7.600
- 2-disc wide-angle spreading unit	kg	6.500	7.300	7.400	8.200
Gross vehicle weight rating					
- with top linkage	kg	12.000	16.000	18.000	20.000
- with bottom linkage	kg	13.000	17.000	19.000	22.000
Inside dimensions of superstructure					
Length	m	5,53	5,53	5,53	6,03
- up to dosage gate	m	4,85	4,85	4,85	5,35
Width	m	1,93	1,93	1,93	1,93
Height	m	1,06	1,06	1,06	1,06
Spreading unit clearance, 4-beater	m	1,46	1,46	1,46	1,46
Spreading unit clearance, 2-disc wide-angle	m	1,55	1,55	1,55	1,55
Dosage gate clearance	m	1,55	1,55	1,55	1,55
Loading capacity	m <sup>3</sup>	16,5	16,5	16,5	18,0
- up to dosage gate	m <sup>3</sup>	14,5	14,5	14,5	16,0
Dimensions with tyres		750/45 R 26,5	600/50 R 22,5	600/50 R 22,5	710/50 R 26,5
Power required from	PS	120	120	120	150



# strautmann



Strautmann main production facility in Bad Laer

B. Strautmann & Söhne GmbH u. Co. KG is a medium-sized family-owned company located in 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, buckets or shear grabs. As a machine manufacturer offering a wide range of machinery for cattle feeding, green fodder harvesting, universal spreaders 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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