



**straumann**



*Universal spreader*

**VS-Spreader  
1604-2004**



Universal spreader

# VS 1604 – 2004

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**

- 4-beater spreading unit or
- 2-disc wide-angle spreading unit

**Long-lasting precision**

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



**Strautmann  
Universal spreader**

- Accurate
- Robust
- Powerful

With its almost 60 years of spreader experience, Strautmann has continuously developed and adapted the Streublitz to the demands of convinced customers.

Be among those who benefit therefrom! 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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*Universal spreader*

# Strong equipment – Strong performance



### 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

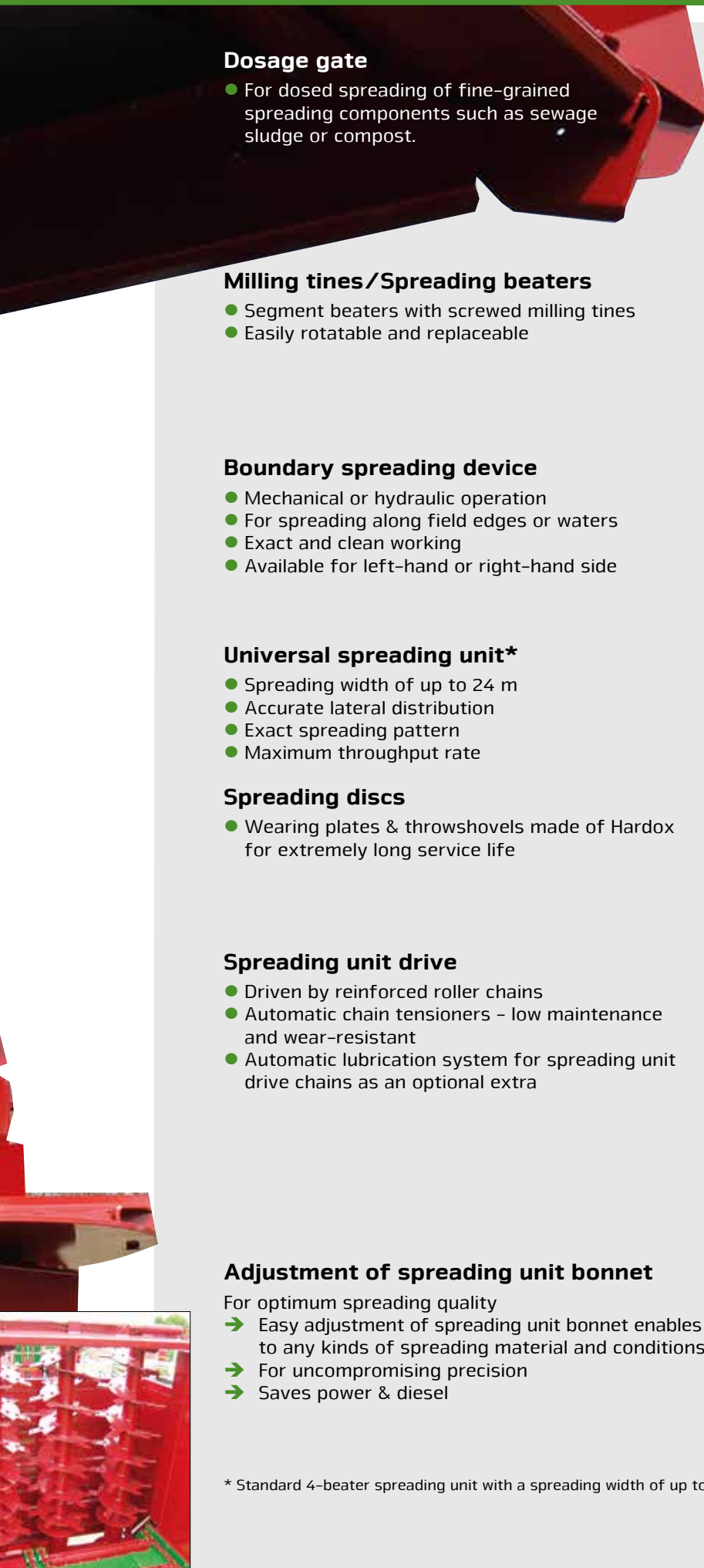
- Driven by reinforced roller chains
- Automatic chain tensioners - low maintenance and wear-resistant
- Automatic lubrication system for spreading unit drive chains as an optional extra

### Adjustment of spreading unit bonnet

For optimum spreading quality

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

\* Standard 4-beater spreading unit with a spreading width of up to 8 m



# Robust equipment for demanding applications



## Robust all-steel trough

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

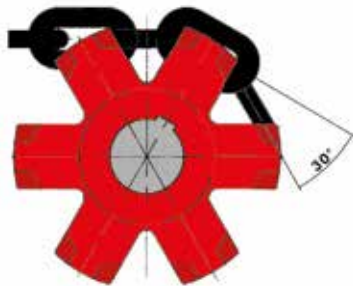
## Transport floor

- 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 the 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 tensioning work due to optimum positioning
- Reduces wear
- ➔ Saves costs





### Tandem boogie axle

- On the VS 1604 – 2004 models
- Good driving characteristics
- Optimum adaptation to ground
- Available with follow-up steering



### Lift axle on tandem assembly (optional extra)

- 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



### Hydraulic forced steering axle

- Optional extra on VS 1804 & 2004 models
- Protection of ground, tyres and chassis during cornering
- For more driving comfort and safety while reversing

### 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



## Direct connection

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



## Electro-hydraulic easy-to-use control

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







### 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 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
- 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)





# Technical data



## Manure-Universal Spreader VS 1604, VS 1804, VS 2004 (40 km/h)

### Technical data

Model		VS 1604 tandem axle	VS 1804 tandem axle	VS 2004 tandem axle
<b>Dimensions</b>				
Gross vehicle weight rating				
- Top linkage	kg	16.000	18.000	20.000
- Bottom linkage	kg	17.000	19.000	21.000
Dead weight				
- 4-beater spreading unit	kg	6.100	6.300	6.900
- 2-disc wide-angle spreading unit	kg	6.700	6.900	7.600
Inside dimensions of body				
Length	m	5,53	5,53	6,03
- up to dosage gate	m	4,85	4,85	5,35
Width	m	1,93	1,93	1,93
Height	m	1,06	1,06	1,06
Spreading unit clearance, 4-beater	m	1,46	1,46	1,46
Spr. unit clearance, 2-disc wide-angle spr. unit	m	1,40	1,40	1,40
Dosage gate clearance	m	1,25	1,25	1,25
Overall dimensions				
Length (4-beater/2-disc wide-angle spre. unit)	m	7,93 / 8,14	7,93 / 8,14	8,43 / 8,64
Width	m	2,55	2,55	2,75
Height	m	3,18	3,18	3,57
Charging height	m	2,58	2,58	2,77
Capacity	m <sup>3</sup>	15,50	15,50	17,00
- with dosage gate	m <sup>3</sup>	13,00	13,00	14,50
Dimensions of tyres		600/50-22,5	600/50-22,5	710/50 R 26,5
Power required from	kW/hp	88/120	88/120	110/150



# 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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