



# ZG-B



# How to exceed plant growth expectations – guaranteed high yields with state-of-the-art fertiliser technology

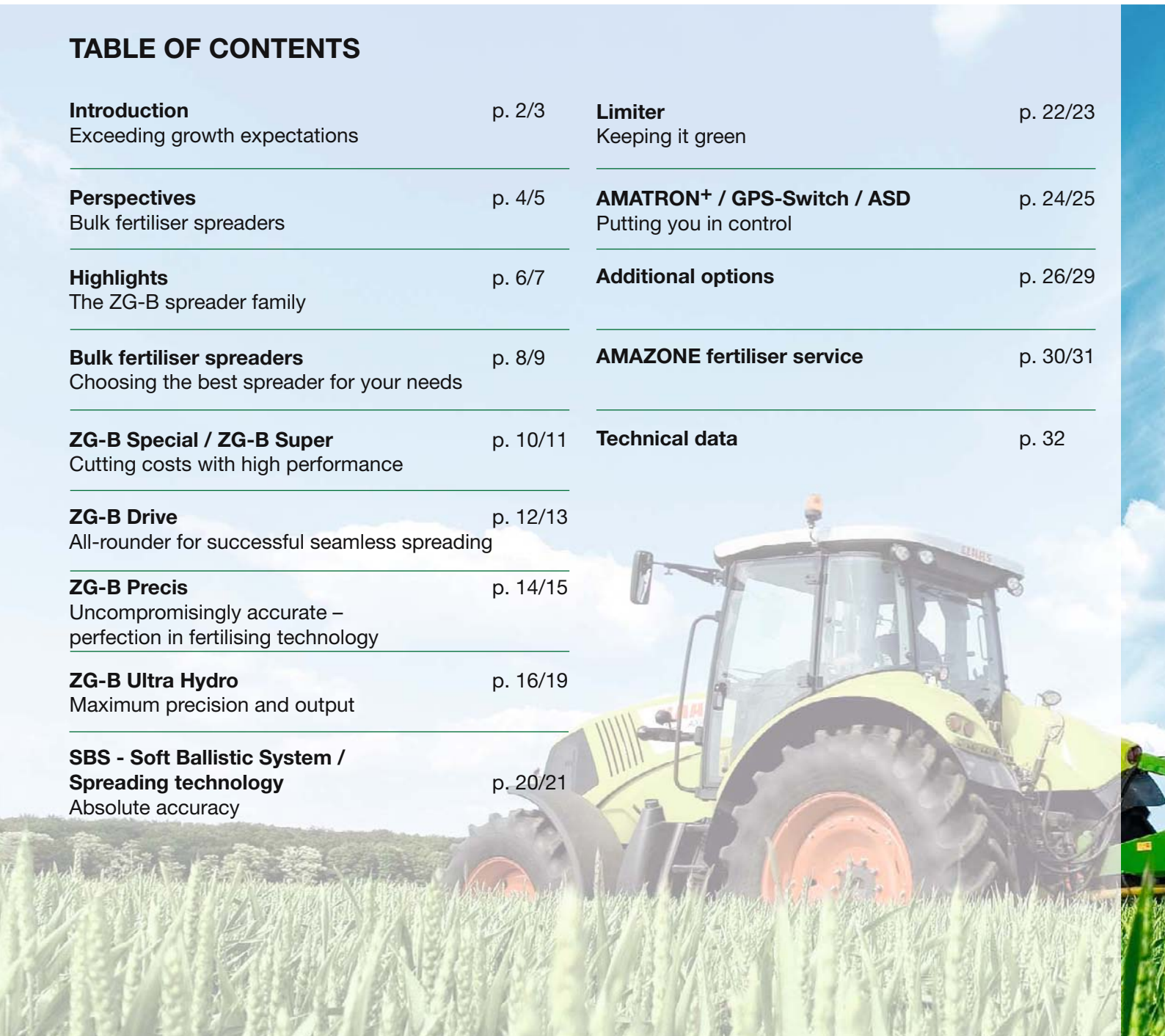
Uniform plant growth is the most important requirement for producing high yields. No single site can offer plants uniform growing conditions across the whole field. To ensure that plants receive balanced nutrition, the application of mineral fertilisers must therefore always be adapted to the individual requirements.

The decisive factor for maximising fertiliser efficacy is therefore not only the selection of the optimum fertiliser, but also, and most importantly, the careful and efficient distribution of those nutrients.

AMAZONE spreading systems offer exceptional advantages in this area, employing the latest technology

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to ensure particularly careful handling of these valuable fertilisers as well as ultimate distribution accuracy for maximum output and efficiency.

Whether forward-speed dependent rate control, innovative weighing systems, highly sensitive sensor systems, or the fully automatic spreader management

system with GPS-Switch – AMAZONE makes every effort to support with innovative technology for optimal plant nutrition.

Trust in our experience – and benefit from a bumper crop!

**Precise fertilisation, improved  
crop growth, higher yields.  
As simple as that.**



# AMAZONE bulk fertiliser spreaders – high output technology for large jobs

AMAZONE's ZG-B range of bulk fertiliser spreaders represents a high output range of machines for the efficient and ecological application of mineral fertilisers and earth moist fertilisers. All models have certain features in common: they offer the best possible spreading accuracy, maximum reliability, and are easy and convenient to operate,

which makes them ideal for use by large farms, agricultural contractors, or in farming cooperatives. Different specification variants and a comprehensive range of accessories make AMAZONE fertiliser spreaders the obvious first choice for any business!

## AMAZONE ZG-B bulk fertiliser spreaders offer more

### More precision

The innovative AMAZONE spreading technology and state-of-the-art hydraulic drive system guarantee precise and reliable spread patterns. Your valuable fertiliser can therefore be in the right place on the ground at the right time.

### More innovation

Over 85 years of experience in the development and manufacture of trailed fertiliser spreaders, the results of the latest research, and close collaboration with farmers across the world – have all culminated in the modern ZG-B bulk fertiliser spreader. Benefit from the know-how of the market leader in fertiliser technology.

### More quality

High-quality, durable materials, sophisticated functionality and modern manufacturing methods. We work according to this standard, and put it to the test using all the latest quality assurance methods. The advantage for you: a long service life and high resale value.

### More safety

The current setting values for your fertiliser spreader are always available from the AMAZONE fertiliser service online fertiliser database at [www.amazone.de](http://www.amazone.de). Secure, continually updated and, of course, free of charge. For unknown types of fertiliser, the ability to contact us directly for information.

### More environmental protection

All models in the ZG-B spreader family meet the new European standards for distribution accuracy and boundary spreading.

High-grade corrosion protection (electrocoating procedure to automotive standards) ensures a long service life.

Even during the manufacturing process, we aim to protect our resources: optimised processes in series production and the most efficient use of raw materials through CNC-controlled cutting and bending technology.

### More service

Our worldwide sales partners guarantee competent and reliable consulting and service directly on site. The AMAZONE spare parts portal provides convenient access to online information, and enables you to view the required spare parts from wherever you are.

### Find all the information you need!



# The ZG-B spreader family – exactly the right machine for all fertilising scenarios

## Running gear – high levels of comfort for maximum work rates

- Well-engineered and robust running gear technology, designed for speeds up to 50 km/h
- 7.0 to 9.8 t payload
- Over-size tyres reduce ground contact pressure and enable the spreader to be used in even the harshest of conditions
- Track widths of 1.50 to 2.25 m are possible for tyres with an AS profile
- Increased driving comfort due to spring-suspended and height-adjustable drawbar systems
- Increased safety in road traffic due to large-dimensioned axles and brakes (dual-circuit pneumatic air brakes or hydraulic braking system)
- PTO shaft drive with Walterscheid wide-angle PTO shaft
- High ground clearance
- Large-dimensioned stand
- Foldable ladder

## Large-capacity hopper – saves travelling and loading time

- Hopper capacity: 5500 litres and 8200 litres
- Easy to fill from the store or using a loader thanks to large filling opening
- Steep walls in the hopper ensure that the spreading material slides down into the hopper, even in sloping terrain
- Low-wear rubber belt floor with automatic belt control centres automatically even with uneven operational demand



## Sophisticated spreader technology - first-class spreading results

- Stainless steel sheet metal withstands even intense abrasion from fertilisers
- The agitator, metering elements and spreading discs are optimally linked together and ensure even fertiliser distribution
- High-grade stainless steel screw unions for hydraulics in the "dirty zone"
- Mechanical spreader disc drive available for PTO shafts speeds of 540 rpm or 720 rpm; hydraulic spreader disc drive on the ZG-B Ultra Hydro
- Maintenance-free and robust oil-bath gearbox with integrated overload safety

## Further optional benefits:

- ✓ Remote-controlled side and boundary spreading possible
- ✓ Precise fertiliser metering using state-of-the-art weighing systems
- ✓ Future-oriented AMATRON<sup>+</sup> on-board computer technology
- ✓ OM spreader discs for maximum precision
- ✓ Protection of fertiliser using the Soft Ballistic System
- ✓ Hydraulic drive variants
- ✓ Fully-automatic distribution management via GPS

**Important: All ZG-B bulk fertiliser spreaders meet the new European standards with regard to distribution accuracy and boundary spreading.**





## Choosing the best spreader for your needs The ZG-B bulk fertiliser spreader – in a class of its own!



### ZG-B Special

Belt floor and spreader unit drive via PTO shaft  
Fertiliser metering via belt floor  
Hopper capacity 5,500 / 8,200 l  
Working widths 10 - 36 m

### ZG-B Super

Belt floor drive via ground wheel (forward-speed related rate control)  
Fertiliser metering via belt floor  
Hopper capacity 5,500 / 8,200 l  
Working widths 10 - 36 m



### ZG-B Drive

Electro-hydraulic belt floor drive (forward-speed related rate control)  
Fertiliser metering via belt floor  
Hopper capacity 5,500 / 8,200 l  
Working widths 10 - 36 m







### ZG-B Precis

Proven AMAZONE spreading unit  
 ZA-M centrifugal mounted spreader  
 Fertiliser metering using double shutter control system  
 Mechanical spreader disc drive  
 Hopper capacity 5,500 / 8,200 l  
 Working widths 10 - 36 m

### ZG-B Ultra Hydro

Proven AMAZONE spreader unit  
 ZA-M Ultra Hydro centrifugal mounted spreader  
 Fertiliser metering using double shutter control system  
 Hydraulic spreading disc drive  
 Hopper capacity 5,500 / 8,200 l  
 Working widths 15 - 52 m



## Areas of application

	ZG-B Special	ZG-B Super	ZG-B Drive	ZG-B Precis	ZG-B Ultra Hydro
Earth moist fertilisers	✓	✓	✓	-	-
Base fertilisers	✓	✓	✓	✓	✓
N-fertilisers with OM spreader discs	✓	✓	✓	✓	✓
Border spreading	✓	✓	✓	✓	✓
Wedge-shaped spreading	-	-	-	-	✓
Optional weighing equipment	-	-	✓	✓	✓



## AMAZONE ZG-B Special and ZG-B Super – cutting costs with high performance!

The robust ZG-B Special and ZG-B Super bulk fertiliser spreaders are top of the class when it comes to cost-effective fertilising. They are equipped with a strong universal lime spreading unit for working widths of up to 15 metres.

This enables even large quantities to be evenly and accurately distributed. Whether you are distributing earth moist or dehydrated sewage sludge, the power and output of these bulk fertiliser spreaders is bound to impress!



### ZG-B Special / ZG-B Super

Ideal for agricultural contractors and contract farming.

Working width up to 36 m

Hopper capacity 5500 / 8200 l



### Optional: New switchover for hydraulic functions within the bulk fertiliser spreader

AMAZONE has developed HyCLICK, a user-friendly switchover unit for operating the hydraulic functions of the bulk fertiliser spreader with just one double-acting spool valve.

## The benefits:

- The large hopper opening enables the highest possible spread rates, e.g. for applying lime to set-aside areas
- The PTO-shaft driven belt floor in the ZG-B Special guarantees low slippage and cost-effective supply of fertiliser to the spreading discs
- Stable universal twin-disc spreading unit with oil-bath gearbox and overload safety
- Calibration kit for monitoring the set spread rate



The ZG-B Super also features forward-speed related rate control via ground wheel drive.



Stainless steel **rate sluice gate** for setting the spread rate with an easily readable scale directly in the operator's field of vision, and easily adjustable.

**Optional:** Hydraulic shutter operation with half-side shut-off possible with double disc system.

When spreading earth moist fertilisers and large application rates, the belt floor is subjected to extreme loads. With uneven loads, the unique **belt floor control** ensures that the rubber belt remains in a central position.

This helps to prevent damage and guarantee a long service life.

The rugged **universal twin-disc spreading unit** with oil-bath gearbox and overload safety for direct driving of the spreader discs ensures even distribution, even with very high spread rates.

**Optionally available:** OM spreader discs for the application of granulated mineral fertilisers for working widths of 10 to 36 m, easy to install.

## ZG-B Drive – all-rounder for successful seamless spreading

The ZG-B drive is a real all-rounder. It can be used equally for spreading both earth moist lime and granulated mineral fertiliser for base fertilisation.

The ZG-B drive ensures reliable and precise work under all conditions. Its strengths are flexibility and ease of use, from which you can benefit in everyday use!



Universally applicable for earth moist fertilisers, lime, sewage sludge, base fertilisers and N-fertilisers  
Hopper capacity 5,500 / 8,200 l  
Working widths up to 36 m

**Excellent operation** of your ZG-B Drive is ensured with the state-of-the-art AMATRON<sup>+</sup> on-board computer. The computer enables simple operation and monitoring of all hydraulic functions: e.g. the hydraulic shutter slide for half side shut-off, the swivelable hopper cover, forward speed-related rate control, or the optional Limiter.

### **Reduce costs with AMATRON<sup>+</sup>**

Rising prices and strict environmental regulations call for accurate, targeted use of valuable fertilisers. The specification of the ZG-B bulk fertiliser spreader with its modern AMATRON<sup>+</sup> on-board computer and in conjunction with a GPS terminal enables site-specific mineral fertilising based on application maps.

### **Even spreading – no matter how fast you travel**

– can be ensured thanks to the forward speed-related rate control. The AMATRON<sup>+</sup> operating terminal controls the speed of the hydraulic rubber belt floor according to the forward speed, thus enabling the potential of the spreader to be maximised.

### **The optionally available weighing equipment is**

particularly useful for agricultural contractors. It enables you to determine the quantity actually distributed, and adjust the shutter slide as necessary. This guarantees an even application rate and provides the best prerequisite for efficient nutrient distribution. As an added bonus, the weighing equipment also aids automatic plot-related documentation (**ASD**).

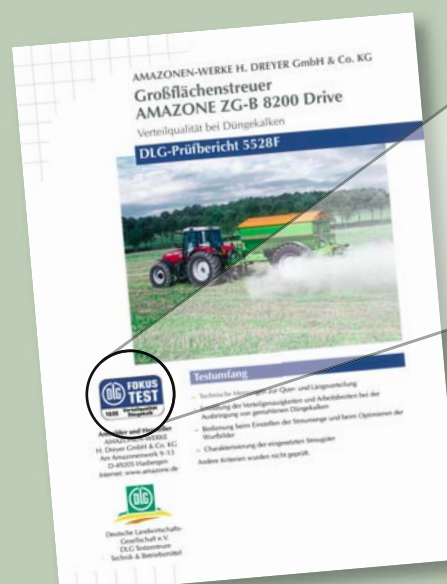
## The benefits:

- Low wheel slip for exact speed recording via wheel sensor
- Simple and freely selectable metering of the spread rate via the shutter slide
- Easy to use operation and control of all hydraulic functions with AMATRON+
- Robust sensor technology for function monitoring (e.g. setting the limiter).
- Calibration when stationary thanks to AMATRON+ and integrated speed simulator
- Forward speed-related rate control due to the electro-hydraulically controlled rubber belt floor
- Universal twin-disc spreading unit with lime spreading discs
- Optional: Easy-to-install OM spreader discs for mineral fertilisers
- Standard half-side shut off reduces over-fertilisation when base fertilising
- Simple emptying of residues when stationary using hydraulic belt floor drive
- Simple drive with 40 l/min flow rate; optional load-sensing connection
- Optional weighing equipment



## Tested and rated as "very good" – as reported in a study by the DLG (German Agricultural Society):

AMAZONE ZG-B Drive 5500 and Drive 8200 impress with their good distribution quality when spreading ground lime fertiliser. The Deutsche Landwirtschafts-Gesellschaft e.V. (German Agricultural Society) / ENTAM performed detailed technical measurements to inspect and analyse accuracy of distribution at varying working widths. The results are impressive: all tests of spread patterns and distribution accuracy were rated as good or very good.



## ZG-B Precis – uncompromisingly accurate, perfection in fertilising technology

Expect only the best from your fertiliser spreader: exact and reliable spreading performance. The ZG-B Precis features sophisticated mineral fertiliser spreading technology. The integrated precision distribution system guarantees the precise placement of nutrients in a working

width of up to 36 metres. This bulk fertiliser spreader also masters more challenging tasks such as boundary or side spreading with considerable aplomb. Special equipment features mean that this is the ideal solution for large farms, machinery cooperatives and agricultural contractors in particular.



Hopper capacity 5,500 / 8,200 l  
Working width: up to 36 m

### Simply better spreading with AMAZONE spreading technology

The ZG-B Precis and ZG-B Ultra Hydro bulk fertiliser spreaders are equipped with the tried-and-tested precision distribution system.

**The standard advantages:**

- Made from high-grade stainless steel, wear-resistant

- Soft Ballistic System SBS: Perfect interaction between agitator, metering slides and spreader discs
- Simple adjustment of the spreading rate and working width
- Maximum ease of use
- Smooth functioning due to robust and maintenance-free oil-bath gearboxes

Using the **AMATRON<sup>+</sup>** operating terminal, you control the hydraulic twin-disc system for the forward speed-related rate control.

### Effective boundary spreading

**The AMAZONE Limiter** - perfectly suited for environmentally friendly and cost-effective mineral fertilising. The Limiter ensures precise spreading results at the edge of the field.

### The advantages:

In boundary or side spreading using the Limiter, there is **no stopping,**  
**no interruption of work**  
**no need to climb down from the tractor.**



## Practical specification

- AMATRON<sup>+</sup> on-board computer with memory for 20 jobs – ideal for documentation
- Optional weighing equipment for determining the spread rate and for exact

## The advantages of the ZG-B Precis:

- Low wheel slip for exact speed recording via wheel sensor
- Calibration kit for controlling the set spread rate
- Infinitely variable spread rate adjustment (both sides and half sides) reduces over-fertilisation in wedges and short work
- Gentle handling of fertiliser by slowly rotating agitator
- Spreading unit with carbide-coated OM spreading discs for longer service life
- Tried-and-tested ZA-M dosing technology with twin disc and SBS system
- Simple emptying of residues when stationary using hydraulic drive
- User-friendly operation and control of all hydraulic functions (shutters/Limiter) via AMATRON<sup>+</sup>
- Robust sensor technology for function monitoring
- Drive with a flow rate of just 40 l/min is possible
- Optional weighing equipment for spread rate monitoring and exact calibration
- Agitator is switched off when the shutters are closed

### State-of-the-art online sensor equipment

Using the serial interface integrated into the AMATRON<sup>+</sup>, the ZG-B Precis can also be used in combination with a GPS terminal for site-specific fertilising or for use with an N-sensor.

## ZG-B Ultra Hydro – maximum precision and output!

### The ZG-B Ultra Hydro is all about maximum output!

The ZG-B Ultra Hydro sets new standards in terms of output and accuracy of application with a working width of up to 52 metres, a hopper capacity of up to 8,200 litres, and integrated ZA-M Ultra spreading unit technology.

The ZG-B Ultra Hydro is equipped with a simply operated hydraulic management system – all functions can be controlled fully automatically and conveniently via the AMATRON<sup>+</sup> whilst on-the-move.

**Special feature:** Variable regulation of the working width on the headlands and when spreading wedges using the fully hydraulic drive. A pre-programmed 6-section part width shut-off prevents major over-fertilisation or under-fertilisation. The forward speed-related rate control ensures that the specified spread rate always remains the same. This is fertilising technology of the highest order!



Ideal for large farms, machinery cooperatives and agricultural contractors

Hopper capacity: 5,500/8,200 litres

Working width: up to 52 m, up to 40 m for urea

**For a seamless spreading performance - high output over all conditions.**

**Utilise this huge potential!**







## Comfort and safety save fuel and time

### For maximum metering accuracy

The optional integrated weighing system offers controlled comfort and increased reliability. Deviations in the flow behaviour are detected immediately. The quantity applied is precisely documented for the purposes of plot-related nutritional balance (ASD). Also possible: semi-automatic rate control using the AMATRON<sup>+</sup>.

### Improves plant quality

With the state-of-the-art on-line N-sensor technology, the supply of nitrogen is optimised to your crops, improve crop quality and increase yields. How it works: The on-line N-sensors automatically determine the quantity of pure nitrogen already absorbed by the plants and adapt the spread rate accordingly. The calculated fertiliser quantities are immediately transferred to the machine's controller via the AMATRON<sup>+</sup> on-board computer. The serial interface on the AMATRON<sup>+</sup> enables communication with all on-line sensors available on the market.



### Increases your flexibility

The convenient hydraulic drive system of the spreading discs makes them independent of the engine speed and forward speed of the tractor. The correct disc speed is maintained within an optimal engine speed range and thus saves fuel.

### Protection of your valuable fertiliser

The spreading unit with integrated SBS Soft Ballistic System ensures precise distribution and an even release of nutrients.



**AMAZONE**  
**ACTIVE**  
[www.amazone.de/active](http://www.amazone.de/active)

Extract from AMAZONE ACTIVE (Issue 3 / 2009)

### **"This is top technology"**

*The agricultural contractor Maschinenverbund-Bewirtschaftungs-GmbH (MVB) in Fahrenwalde, Germany, farms around 3,500 hectares on behalf of the "Agrargesellschaft Fahrenwalde GmbH und Co. KG" and "Marktfucht Rollwitz GbR". The MVB also performs work for other customers within a 100 km radius.*

## The benefits:

- Maximum reliability due to tried-and-tested ZA-M Ultra distribution technology
- Carbide-coated OM 15-24 and OM 24-48 spreader discs for improved wear resistance
- Hydraulic spreading disc drive can be individually set on right and left for normal spreading, boundary spreading, side spreading and wedge-shaped spreading
- Pre-programmed 6 section part-width section control
- Even spread flow due to forward speed-related rate control with electro-hydraulically controlled belt floor
- Calibration when stationary using speed simulator
- Simple emptying of residues when stationary due to hydraulic drive
- User-friendly operation and control of all hydraulic functions via AMATRON<sup>+</sup>
- Drive with a flow rate of 80 l/min is possible
- Agitator is switched off when the shutters are closed



## Optional:

- Robust sensor technology for function monitoring
- Optional load-sensing connection
- Interfaces for on-line N-sensor
- Optional connection to GPS-Switch
- Weighing equipment for determining the delivered volume and for precise calibration

*The ZG-B 8200 Ultra Hydro features a hydraulic spreading disc drive and weighing equipment. "A clear benefit of the hydraulic spreading disc drive is that the rate varies according to the actual forward speed. This means that the tractor engine revs can even be almost stationary, yet still maintains the required disc speed. Side and boundary spreading has also been greatly simplified, since the operator can use the AMATRON<sup>+</sup> to control the corresponding speed reduction of the edge side spreading disc. As the operator no longer has to climb down from the tractor, this saves a lot of time", explains Bahne Hansen.*

*Up to 6 part-width sections can also be isolated, for example on wedge-shaped areas, by pushing a button on the terminal. In this instance, the electronics control the speed of the spreading discs and also the required opening of the metering shutter in each case. Previously, the part-width sections were switched by the driver pressing a button. Bahne Hansen regards the GPS-controlled automatic part-width section control via the AMAZONE system GPS-Switch as useful additional equipment."*

If you are interested in more information, the full report is available on our website under [www.amazone.de](http://www.amazone.de).

# This protects the fertiliser and safeguards your yield.

## SBS – Soft Ballistic System

Valuable mineral fertiliser must be handled and distributed with particular care – only then can it exert its full effect in the field.

AMAZONE has developed the unique Soft Ballistic System (SBS) for precisely this challenge. The system ensures increased reliability and precision when spreading fertiliser. The agitator, dosing elements and spreader discs are optimally coordinated with each other and work in perfect harmony. The spreading product is forwarded very gently from the spiral agitator to the outlet opening, and from there is dosed precisely and perfectly to the plants across the whole working width.

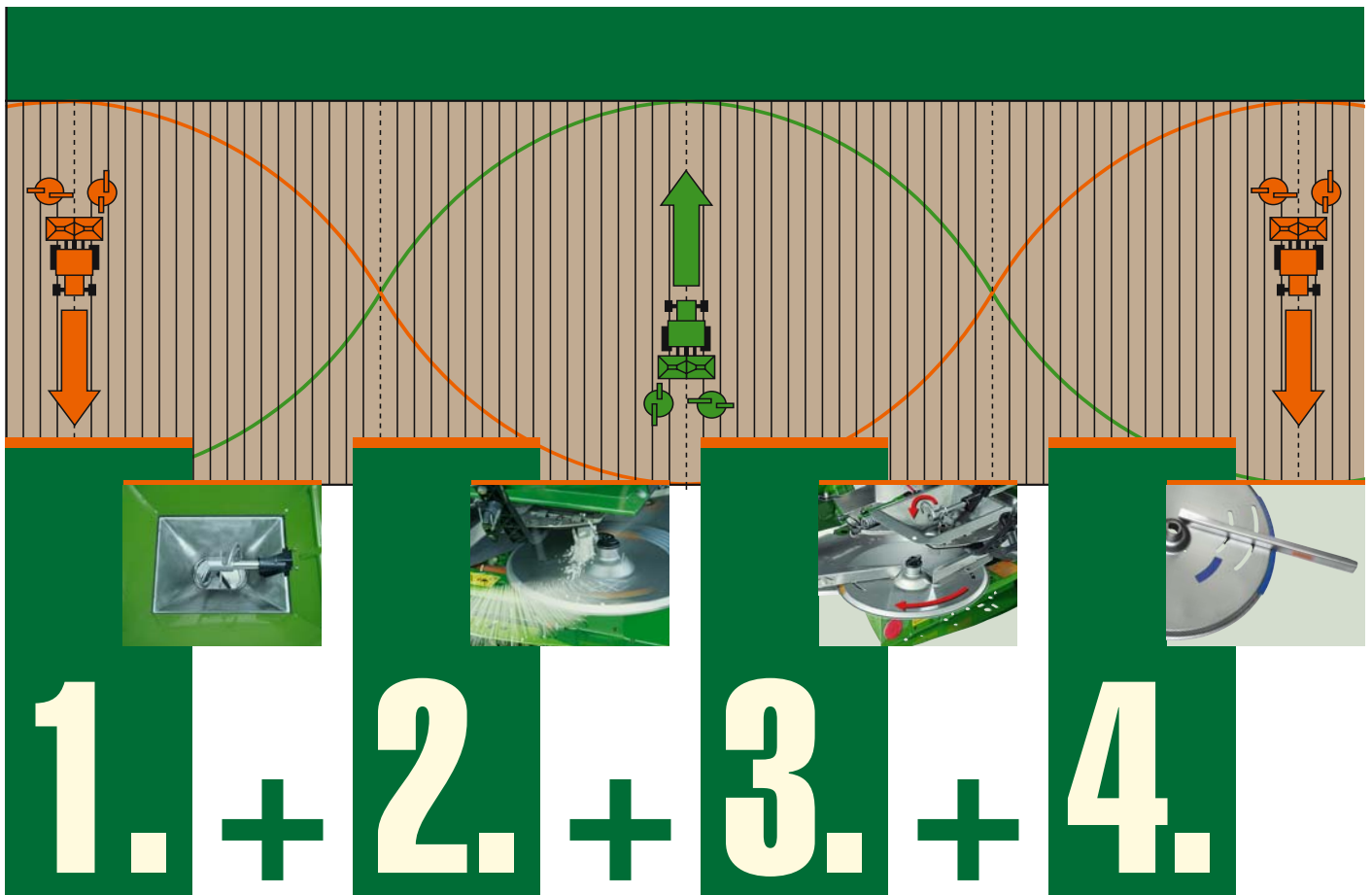
### 1. Gentle guidance

The specifically sequenced spiral agitator elements draws the fertiliser granules from all parts of the hopper across a wide area. Advantage: optimal preservation of the homogeneity of the fertiliser.

### 2. Gentle delivery

The feeding of the fertiliser directly in the centre of the spreader disc is particularly advantageous, since this sector has a very low peripheral speed.

The AMAZONE SBS guarantees a continual stream of fertiliser that is gently fed into the spreading vane. This is important for the precision of the spread pattern!



## AMAZONE spreading technology - absolute accuracy

### 3. Gentle acceleration

The AMAZONE SBS uses a disc speed of 720 rpm to deliver the fertiliser gently in a flowing motion. The low disc speed guarantees even and consistent filling of the spreading vanes.

### 4. Gentle ejection

With the AMAZONE SBS, no more energy is introduced into the fertiliser than is needed for an optimum trajectory and a precise spread pattern. The „trailing“ arrangement angle of the spreader vanes on the OM spreading discs can be adjusted to the required working widths as necessary. The different vane lengths guarantee precise distribution in the individual sectors.

**All ZG-B Precis and ZG-B Ultra Hydro machines are fitted with SBS.**

**Distribution tests prove that the unique AMAZONE Soft Ballistic System results in impressively precise spread patterns.**

**Exact:** The OM Omnia-Set spreading discs with swivelable spreading vanes create a spread pattern with the utmost precision.

**Simple:** The working width and spread rate can be set simply using spreading vanes and metering shutters, and without the use of tools.

**Durable:** OM spreading discs are made completely of high-grade stainless steel and are simple to install.

**Extra:** With OM spreading discs, you also have the ideal equipment for beneficial late top dressing: simply fold up the standard swivel blade on the spreading vanes.

OM spreading discs for ZG-B:

**OM 10-16**

**OM 18-24**

**OM 24-36** (with carbide coating for a long service life)

OM spreading discs for ZG-B Ultra Hydro:

**OM 15-24**

**OM 24-48** (with carbide coating for a long service life)



# AMAZONE Limiter Boundary Spreading System keeping it green!

Side and boundary spreading are among the most important aspects of fertiliser spreading. The AMAZONE Limiter enables precise application of fertiliser right up to the edge of the field. It ensures optimal distribution and excludes over-spreading in areas that are not used for agricultural purposes. This is not only particularly economical, but also provides active environmental protection.

## Limiter made of high-grade stainless steel

**And best of all: The AMAZONE Limiter is a considerable aid to accurate work.** The hydraulic Limiter is conveniently controlled via the AMATRON+ on-board computer directly from the driver's seat:

### The benefits

- No stopping
- No interruption of work
- No need to climb down from the tractor

### Important:

The Limiter fulfils all the requirements of the current German fertiliser ordinance. Can be installed in all ZG-B fertiliser spreaders (not necessary in the ZG-B Ultra Hydro).

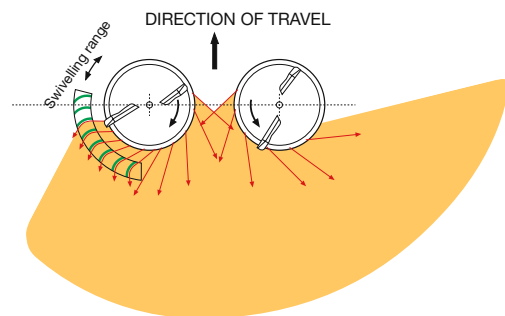
### Outstanding technology

The Limiter was awarded a silver medal at Agritechnica 1999



Limiter in working position

The Limiter can be moved on a fixed frame within a generously dimensioned swivel range. This enables easy adjustment according to the function required (working width, side or boundary spreading, type of fertiliser).

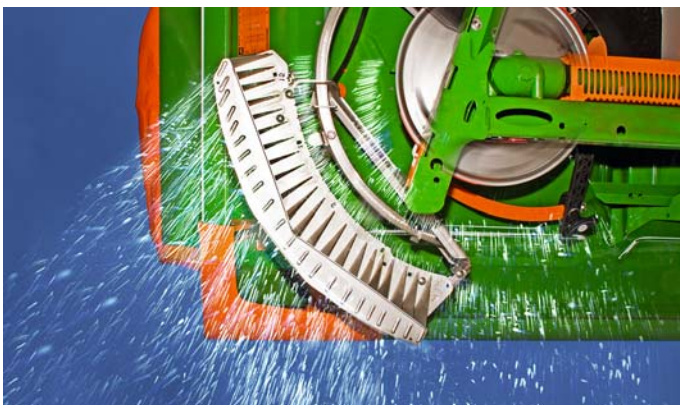


Limiter folded up for normal spreading

When the Limiter is not in use, it is simply folded up the hydraulic controls.

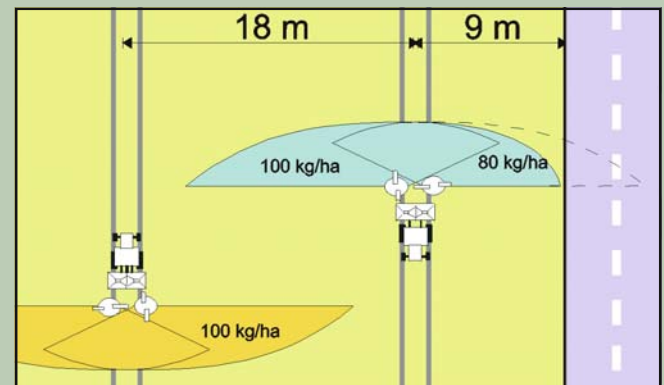
## Limiter in action

The Limiter is swung down into the spread fan. The "lamella block" changes the direction of one part of the fertiliser stream.



### The result:

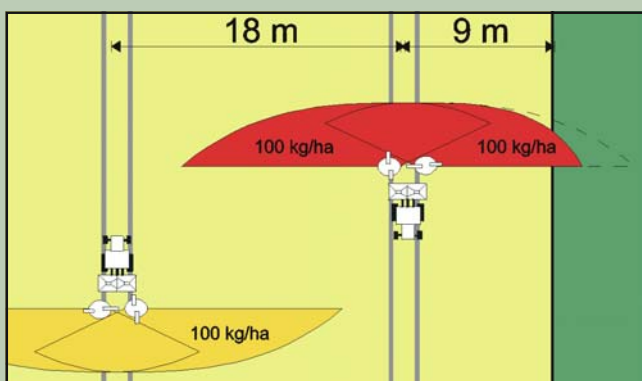
an optimal spread fan along the boundary.



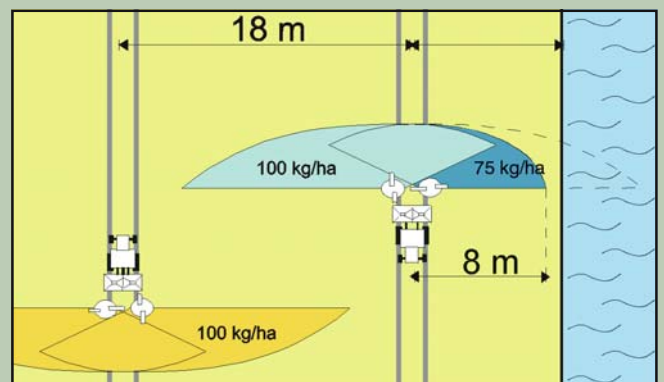
### Boundary spreading (environmentally oriented setting).

If the field is adjacent to a road or cycle path, no fertiliser must be thrown beyond the border of the field. The spread rate must be reduced at the border side so that no over-fertilisation occurs within the boundary of the field. A small amount of under-fertilisation occurs before the edge of the field. The border spreading procedure complies with the fertiliser decree requirements.

## Side, boundary and water course spreading using the Limiter – environmentally friendly, efficient and easy to use



**Side spreading** (yield oriented setting). The neighbouring field is an area that is used agriculturally. In this case it is tolerable for a small quantity of fertiliser to be thrown over the border of the field. The fertiliser distribution inside the field boundary is still 100 % of the desired application rate at the edge of the field.



### Water course spreading (environmentally oriented setting).

If there is surface water at the edge of the field, a distance of one meter must be maintained using a border spreading device according to the fertiliser ordinance, and even three metres without a border spreading device. In order to prevent over-fertilisation inside the field, the spread rate must be reduced at the boundary side.

# AMATRON+ on-board computer putting you in control

**Simple to operate**

**Modern and future-proof**

**Cost-effective and environmentally friendly**

Using the state-of-the-art AMATRON+ on-board computer you can conveniently and accurately control and monitor all the functions of the ZG-B. The clear display ensures you can easily view all information at all times. The AMATRON+ is impressively clear, simple, logical to operate and due to its compact format, the computer only takes up a small amount of space in the tractor cab.



## AMATRON+ for ZG-B Drive, Precis and Ultra Hydro

### The benefits:

- Large, high-contrast graphic display
- Single-hand operation during work
- Optimum coordination with the machine
- Serial port connection to various GPS terminals
- Connection to sensor technology possible
- Memory space for 20 jobs - particularly advantageous for agricultural contractors
- Automatic field-related documentation inside



### Multi-function joystick (optional)

Ergonomic and comfortable operation of the most important functions.

### With AMATRON+, all machines speak the same language

You can use the AMATRON+ across the programme for all AMAZONE fertiliser spreaders, field sprayers and seed drills.



## GPS-Switch – automatic 6-section part width shut-off



### GPS-Switch with AMATRON+ for ZG-B Ultra Hydro

The new GPS-supported on-board computer system automates the precise position-related switching of your spreader on the headland, the field boundary, or in short work. The computer takes into account the working width and the alignment of the part width sections. High-precision shut-off is possible (depending on the quality of the GPS signal). The field borders are recorded after the first circuit of the field, after which the machine runs automatically.

This state-of-the-art technology enables the tractor driver to devote his full concentration to driving. The spreader can therefore also be operated at night, which considerably increases usage time, since the best use can be made of the limited time windows. Fertiliser spreaders equipped with a GPS-Switch offer up to 20% more output. An investment worth making!

### Reduce costs with AMATRON+

Rising prices and strict environmental regulations call for accurate, targeted use of valuable fertilisers.

The specification of the ZG-B bulk fertiliser spreader with AMATRON+ on-board computer and GPS enables site-specific mineral fertilising based on application maps.

### Automatic field-related documentation – simple and reliable documentation

The automatic field-related documentation enables you to transfer field-related data between the AMATRON+ on-board computer and an electronic field record management system. The information can be exchanged regardless of the product and manufacturer since the interface used is accessible to all manufacturers.



**The benefit: with automatic field-related documentation, you can integrate all machines simply and cost-effectively into the documentation chain.**

## Customised specifications – enabling one to work efficiently

There is a full range of options for individually customising your ZG-B bulk fertiliser spreader. Contact your AMAZONE sales partner for more information.

The following shows a small selection of the practical equipment as standard in series and some additional options:



**Standard comfort:** The automatic rubber belt floor control guarantees constant conveyor centring, even under demanding conditions.



Using the **gearbox** (ZG-B Special / ZG-B Super), you can choose between two belt floor speeds for metering large and small spread rates.

The infinitely adjustable rate control and emptying while stationary are enabled by the **hydraulically driven floor belt gearbox** (ZG-B Drive / ZG-B Precis / ZG-B Ultra Hydro).



The **foldable ladder** facilitates seeing inside the hopper, which is practical for inspection and cleaning.

## Nothing is impossible!

The high **ground clearance** reduces plant damage when travelling through high crops.



You choose the appropriate combination of **drawbar** and **coupling** for the tractor.



Top hitch drawbar with towing eye



Bottom hitch drawbar with towing eye



Steering drawbar with ball coupling

The **parking jack** is strong enough to accommodate the spreader even when full.

## Additional options



The **swivelable hopper** cover protects your fertiliser against mud and rain.

The cover can be opened at the touch of a button via the AMATRON+ or the hydraulic controls.



The large **hopper capacity** means that filling times are reduced to a minimum. This enables a significant increase in the area output per working hour.



Specialist equipment: **bone meal spreading discs** (ZG-B Super, ZG-B Special, ZG-B Drive), complete with **fertiliser chain rake** to aid even flow of fertiliser.



**Hydraulic shutters** enable you to switch off each side individually, e.g. base fertilisation. For spreading earth moist lime, dried chicken dung, dehydrated sewage sludge, etc., you can simply wind up the shutter and if necessary, lower the chain rake.



The **calibration kit** can be used to monitor the fertiliser flow rate, enabling the spread rate to be precisely determined.



The **weighing equipment** enables you to keep a constant eye on the fill level of the hopper and the spread rate. For the ZG-B Precis, Ultra Hydro and Drive, the spreader can also be calibrated while stationary.



Large **filling sieve** – this additional equipment offers your machine the ultimate protection against foreign objects.



Efficient variant for ground speed-related fertiliser spreading: The **ground wheel drive ensures** that the spread rate remains constant even at different forward speeds.

**Tip:** The **Drive variant with electronic wheel sensor** offers even greater convenience for ground speed-related belt floor control.

Additional equipment for vehicles licensed to 40 km/h:  
Large **warning signs** and robust **mudguards**.



Robust **funnel chute** – for the use with granulated fertilisers in conjunction with OM spreader discs (ZG-B Special, ZG-B Super, ZG-B Drive).

## Fertiliser service – fertiliser is only worth its weight in gold if it is properly spread.

The AMAZONE fertiliser service makes it possible to use fertiliser in an economic and environmentally-friendly manner.

The results that have been acquired domestically and abroad in the AMAZONE spreading hall over the last 15 years are stored in a computer database. It is not just the spread patterns and setting values that are recorded for the fertilisers that are tested, but also the critical mechanical material data for lateral distribution. A considerable amount of data is therefore available that allows us to provide all AMAZONE customers with free advice regarding the setting values for unknown types of fertiliser and new fertiliser products.



Only comprehensive and continuously updated setting charts, which are a matter of course at AMAZONE, lead to an optimum spreading result.

## New fertiliser service with the most modern spreading hall in the world

AMAZONE now has a fertiliser spreader testing hall for research, development and series production management that is even more modern.

It is now possible using the new on-line weigh cells to analyse not only the lateral distribution but also the spatial distribution of every spreading test. Although this has enormous benefits for developing new fertiliser spreaders in particular, this new information, however, is also required in order to perform automatic switching operations (GPS).

AMAZONE has also opted for new innovative technology for the chosen measuring system. The fertiliser spreader now stands on a rotating platform and rotates around a vertical axis. With this measuring system, all conceivable working widths can be determined at any given time.



## From the source to the spreader

The AMAZONE fertiliser service works closely together with all well-known spreading material manufacturers – worldwide, in order to provide the best settings as quickly as possible.

## The exclusive service for the users of AMAZONE fertiliser technology



The fertiliser service works beyond boundaries. And not just geographical boundaries, because, regardless of whether your fertiliser spreader is 5 or 50 years old, we are always competently and reliably at your side.

**Internet:** [www.amazone.de](http://www.amazone.de)  
**E-mail:** [duengeservice@amazone.de](mailto:duengeservice@amazone.de)  
**Phone:** 05405 501-111  
**Fax:** 05405 501-374

## The best way: fertiliser service on the Internet at [www.amazone.de](http://www.amazone.de)



Optimum fertilisation does not just involve fertiliser and spreaders! Competent advice about critical types of fertiliser is just as important.

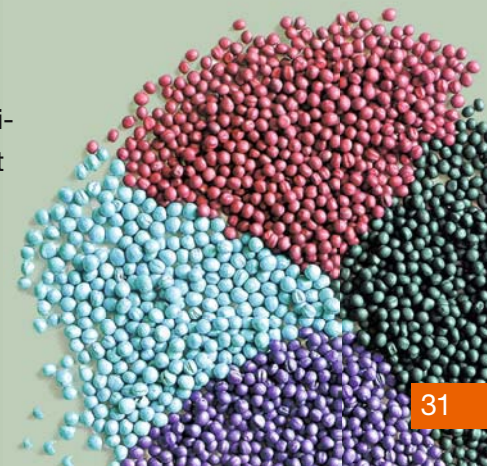
You can obtain the latest setting values for lateral distribution and spread rates for the AMAZONE fertiliser spreaders from our database on the Internet at [www.amazone.de](http://www.amazone.de), 24 hours a day and free of charge. To do this, just select your machine model and the spreading material.

[www.amazone.de](http://www.amazone.de)

**Fertilisers know  
no limits –  
neither do we**

## We put your fertiliser under the microscope

The best way of determining setting values for fertiliser spreaders is spreading in a spreading hall. It is not always possible to provide us with the necessary quantity of fertiliser. For this reason, AMAZONE has developed a reliable laboratory test for examining the physical properties of a fertiliser sample weighing just three kilograms, and giving customers recommended settings based on our experience and the information that has been acquired.



# Technical data:

## ZG-B 5500 · ZG-B 8200

	ZG-B 5500	ZG-B 8200
Hopper capacity	5,500 l	8,200 l
Weight empty	2,500 - 3,500 kg	
Permissible total weight	8,000-10,000 kg	8,000-12,000 kg
Payload on public roads	5,900-7,700 kg	5,800-9,800 kg
Filling width	3.45 m	
Length	Total 6.70 m	
Height	2.26-3.10 m (depending on tyres used)	
Width	2.26-2.75 m (depending on tyres used)	

## Areas of application

	ZG-B Special	ZG-B Super	ZG-B Drive	ZG-B Precis	ZG-B Ultra Hydro
Earth moist fertilisers	✓	✓	✓	-	-
Base fertilisers	✓	✓	✓	✓	✓
N-fertilisers with OM spreading discs	✓	✓	✓	✓	✓
Border spreading	✓	✓	✓	✓	✓
Wedge-shaped spreading	-	-	-	-	✓
Optional weighing equipment	-	-	✓	✓	✓

Illustrations, content and technical data are not binding!



Twin-disc centrifugal broadcaster  
ZA-XW Perfect  
500 - 700 l, 10 - 18 m



Twin-disc centrifugal broadcaster  
ZA-X Perfect  
600 - 1700 l, 10 - 18 m



Twin-disc centrifugal broadcaster  
ZA-M  
1000 - 3000 l, 10 - 36 m



Twin-disc centrifugal broadcaster  
ZA-M Ultra  
3000 - 4200 l, 15 - 52 m



Winter service spreader  
E + S  
300 - 1000 l



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