



**AMAZONE**

**E+S**

**EK-S**

**ZA-XS**



# AMAZONE E+S, EK-S and ZA-XS spreaders

Spreading technology in perfection



With the E+S, EK-S and ZA-XS models, AMAZONE offers three high-class spreaders for the application of a vast array of differing spreading materials. Whether it is the E+S or EK-S for winter salt application, or the ZA-XS for road construction, it means that, for any application and any requirement, the right spreader is available. All these spreaders are characterised by their very robust and reliable design and guarantee a high degree of precision in the application of any type of granular spreading material.



# AMAZONE spreaders

Reliable, comfortable and long lasting

	Page
E+S mounted spreader	
The benefits at a glance	4
E+S   E+S Hydro	6
All year round use	8
Equipment   electronics	10
EK-S mounted spreader	12
ZA-XS H mounted spreader	14
Technical data	16

# E+S mounted spreader

For maximum safety on the road and environmental protection

Spreading material hopper capacities from **300 to 750 l**  
and **1,110 l** (in increments via extensions)

From **1 to 8 m** working widths

## The top benefits:

- ⊕ Easy and precise setting of the spread fan via the SmartCenter
- ⊕ Steep hopper walls for a continuous flow of spreading material
- ⊕ Spreading system and hopper tip made from stainless steel – for arduous winter application
- ⊕ Extremely robust and reliable – for a long service life
- ⊕ Spreading material protecting and high performance agitator
- ⊕ Swivel hopper cover with inspection window – for an easy fill level check
- ⊕ LED work lights and LED road traffic lights – for more safety during darkness
- ⊕ Equipped with either PTO shaft drive or with hydraulic drive on the E+S Hydro version
- ⊕ Comfortable and precise operation via the up-to-date AMADOS<sup>E+S</sup> and EasySet<sup>E+S</sup> in-cab terminals
- ⊕ Robust mudguards protect the tractor and the machine

Comfortable

**AMADOS<sup>E+S</sup>**

operator terminal

or **EasySet<sup>E+S</sup>**

Different equipment levels:

From choice as **E+S** (with PTO shaft drive)

**E+S Hydro** (with hydraulic drive)



Hopper tip made from

**stainless steel**

Easy setting of the spread fan

via the **SmartCenter**

The E+S mounted spreader is ideally suited for the professional application of winter road salt. With its working widths of up to 8 m and its hopper sizes from 300 to 1,110 l, this high-performance single disc spreader impresses with its very precise spread pattern. Thanks to the comfortable and easy operation, the optionally-available AMADOS<sup>E+S</sup> and EasySet<sup>E+S</sup> operator terminals ensure the highest efficiency and maximum road safety.



**FOR FURTHER INFORMATION**

[www.amazone.net/e+s](http://www.amazone.net/e+s)

# E+S – the technology with Snow-how

Saving costs – protecting the environment



E+S 301 mounted spreader  
with 300 l hopper capacity

- ✔ Up to 490 l hopper capacity



E+S Hydro 751 + S 180 mounted spreader  
(with 750 l hopper capacity & 180 l hopper extension)

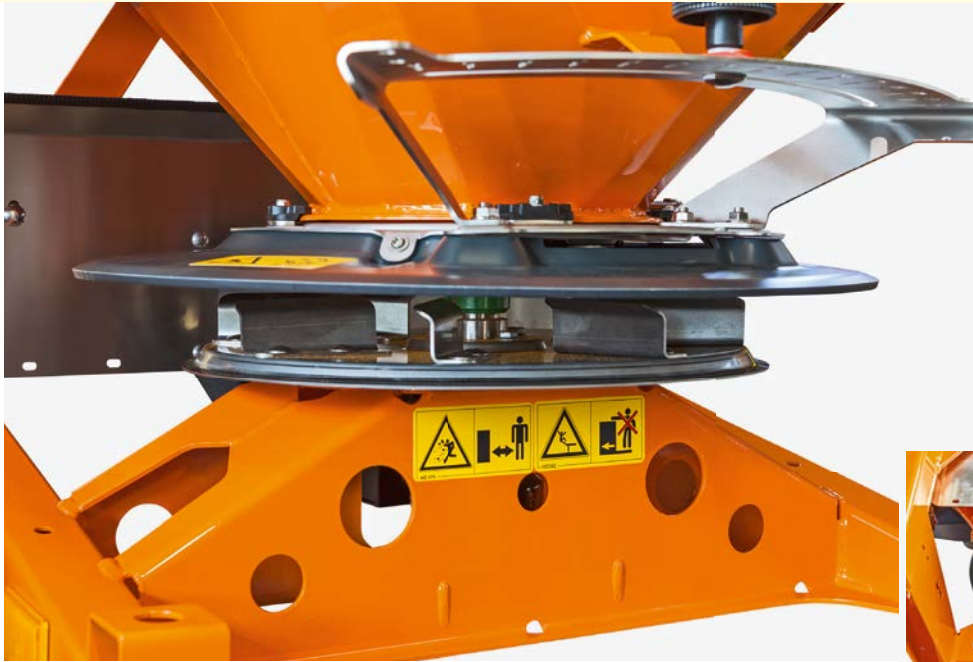
- ✔ Up to 1,110 l hopper capacity

## Standard features of the E+S include:

- ✔ Drive from choice via PTO shaft or hydraulics (E+S Hydro)
- ✔ Steep hopper walls for optimum flow of the spreading material
- ✔ Strong protective sieve inside the hopper
- ✔ 3-point linkage Cat. 1 and Cat. 2. Easy mounting to the tractor
- ✔ Important parts such as the entire bottom assembly, spread pattern limiter, spreading disc and spreading blades are made from stainless steel
- ✔ SmartCenter for easy and precise setting of the spread fan
- ✔ The spreaders are available from choice in green, orange or other RAL colours
- ✔ The extremely corrosion-resistant cathodic dip painting process increases the service life of the spreaders (to automotive industry standards)

# E+S Hydro

For perfect spread patterns at any working width



E+S Hydro

## Top-class spreading system

The E+S Hydro spreaders are equipped with a hydraulic spreading disc drive and speed-related spread rate control. As the spreading width is controlled via the rotational speed of the hydraulically-driven spreading disc, the E+S Hydro offers the stepless and very sensitive adjustment across a wide spreading width range from 1 to 8 m. The precise hydraulic drive ensures the perfect spread pattern at any working width and reduces the formation of salt dust.

An additional advantage is that the rotational speed of the disc, and thus the agitator speed, are reduced to a minimum when the tractor stops. In this way blockages and any bridging of the material in the hopper are efficiently prevented.

## The benefits

- ✔ Hydraulic drive with infinitely-variable disc speed adjustment
- ✔ Improved longitudinal and lateral distribution
- ✔ Little formation of dust
- ✔ Automatically reduces the rotational speed of the agitator if the tractor stops

# Be relaxed when facing the year!

With more efficiency, precision and comfort



In wintry road conditions traffic safety must be ensured. This requires a quick treatment of icy road surfaces. For this AMAZONE offers a professional spreader that precisely meters the optimum spread rates of defrosting spreading and grit materials.

E+S for winter salt application





Application of sand



Spreading of ash



Mounted on to a wheeled loader\*

### Applying sand at regular intervals

Regular applications of sharp sand in small quantities prevent lawn surfaces from becoming sealed and, as such, stop the creation of layers that are impenetrable to water, nutrients and air.

Without conversion the AMAZONE E+S spreader becomes the perfect machine for the application of sand. The sand is evenly incorporated into the lawn. Any additional sweeping and lifting of the grass is not necessary.

### Ideal across a wide range of application

The flexible drive concept, from choice with either PTO shaft or hydraulic motor, makes possible a wide range of application, whether mounted conventionally behind the tractor or also fixed to a wheeled loader (E+S Hydro)\*.

\*The mounting frame cannot be purchased from AMAZONE

### Spreading red ash on hard court surfaces

After intervals of two to three years, sports field red ash should be freshly applied on to hard courts.

With the AMAZONE E+S spreader, the ash is evenly distributed to level out undulations and to prevent the coarse sub layer from coming up.

### All year round – maximum usage across the board

- ✔ For the winter application of salt, sand or grit
- ✔ For applying granular material
- ✔ For applying sand to golf and sports grounds
- ✔ For spreading red sports field ash

### Special agitators for different spreading materials – No grinding, no blockages!



Rod agitator for sand and salt



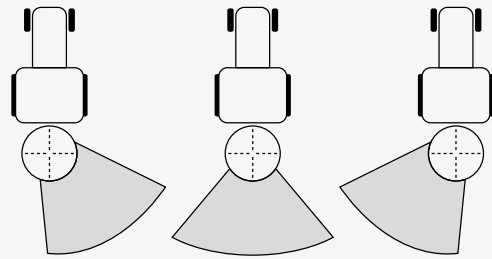
Chain agitator for grit/salt mixtures



Agitator head for granular material

# Reliable and of high quality!

Long lasting, economical and comfortable



✔ SmartCenter – for the easy and quick adjustment of the spread fan

## SmartCenter

Thanks to the variable delivery system adjustment, the E+S can be set to either symmetrical and asymmetrical spreading. Via the SmartCenter, which is comfortably positioned at the

rear of the spreader at the height of the hopper tip, the spread fan can be quickly and very precisely adjusted.

## The highest quality

Because winter salt spreaders have to face such horrific demands, AMAZONE sets standards during production. The hopper tip, made from stainless steel, for example, is connected with the hopper by the use of up-to-date technology that utilises a seamless laser welding procedure.

This high-class finish provides the AMAZONE spreader not only with a long service life but also with a high resale value.

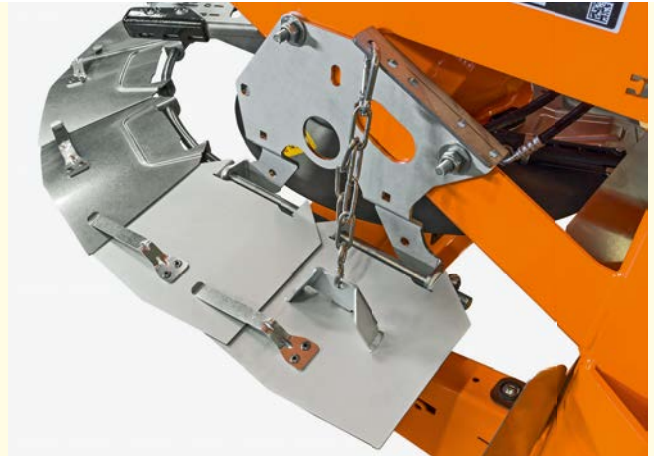
## Perfectly equipped

Thanks to the comprehensive range of optional equipment, the E+S spreader is an especially reliable spreader for use in any application.

- ✔ Operator terminal EasySet<sup>E+S</sup> or AMADOS<sup>E+S</sup>
- ✔ Robust mudguard helps protect the tractor
- ✔ LED lighting
- ✔ Hopper cover with inspection window
- ✔ Practical hose rail for the safe storage of the hydraulic hoses on the E+S Hydro



# Capable of fulfilling any demand

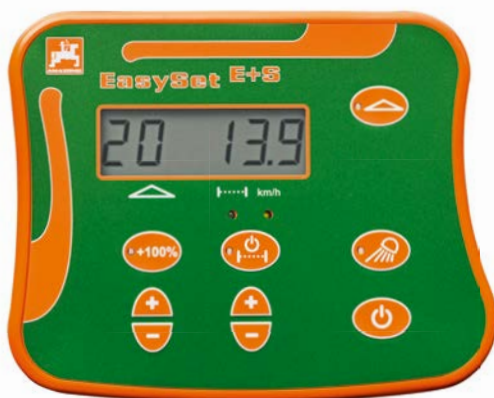


In its basic version, the spreader can be operated without the need for an operator terminal. Then the working width is matched mechanically via the spread deflector.

## AMADOS<sup>E+S</sup> und EasySet<sup>E+S</sup> – More comfort, more control

With either the AMADOS<sup>E+S</sup> or EasySet<sup>E+S</sup> operator terminals, AMAZONE even offers two comfortable possibilities to operate the E+S spreader.

- ✔ Operation of all functions via the press of a button
- ✔ Stepless matching of the application rate
- ✔ Speed-related control of the application rate
- ✔ Comfortable and precise

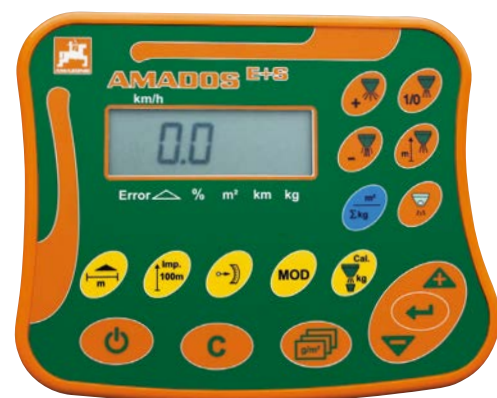


## EasySet<sup>E+S</sup> – comfortable and efficient

EasySet<sup>E+S</sup> is the ideal operator terminal for when special emphasis is put on a comfortable and very easy actuation, no matter whether it is for the E+S with PTO shaft drive or with hydraulic drive. Especially when spreading salt, EasySet, with its “+100%” function, is a big advantage because on critical spots, such as, for example, on exposed bridges the application rate is quickly and noticeably increased.

### The benefits

- ✔ Very easy operation – ideal for operations which use multiple drivers
- ✔ “+100%” function for increased application rate on critical spots
- ✔ Control of the LED work lights



## AMADOS<sup>E+S</sup> – with useful job management

The special strength of the AMADOS<sup>E+S</sup>, which is available for all PTO-driven E+S spreaders, is the possibility for job management. The area worked, the distance driven and the application rate are shown in the display. In addition the worked total area of all jobs can be recorded. With these functions, AMADOS<sup>E+S</sup> regulating electronics results in a further improvement of the spreading accuracy and relevant reduction in the amount of spreading material used.

### The benefits

- ✔ Job management
- ✔ Documentation

# EK-S mounted spreader

for winter salt application – reliable and economical



**The EK-S is available:**

- ✔ for 3-point linkage mounting to compact tractors with PTO shaft drive or for towing vehicles which are equipped for a hydraulic drive
- ✔ or as a trailed implement with bogey chassis

The EK-S 260 with bogey chassis and road lighting

The EK-S mounted spreader is ideally suited for the reliable operation in winter salt application. With its working widths of up to 8 m and hopper sizes of 150 to 370 l, it is perfect for medium application rates.

### The benefits at a glance:

- ⊕ Reliable and economic single disc spreader
- ⊕ Lightweight design for small, compact tractors
- ⊕ Manually adjustable, multi-component spread width deflector made from stainless steel
- ⊕ Hopper cover and protection sieve are standard
- ⊕ Easy pre-select control for rate setting
- ⊕ Maintenance-free, oil-immersed gearbox or direct drive via a hydraulic motor
- ⊕ Available as a trailed spreader on a bogey chassis



The one-hand operation allows the quick opening and closing of the metering shutter slide. Also available as an option is the easy control via hydraulic actuation. The spread width limiter allows the manual setting of the working width.

The EK-S and the EK-SH with hydraulic drive are available in 3 sizes: 150 l, 260 l and 370 l hopper capacities.

✓ Hopper sizes from  
**150 to 370 l**

# ZA-XS H mounted spreader

for road construction – simple and safe



The ZA-XS H mounted spreader has been designed especially for road construction. Thanks to its hydraulic drive, this twin disc spreader is ideally suited for road rollers which simultaneously apply grit to the road. In addition, the robust design of the ZA-XS H ensures a long lasting service life of the AMAZONE spreader.



✔ Spread hoppers from  
**600 to 1,100 l**

### The benefits at a glance:

- ⊕ Even grit distribution especially thanks to the precise twin disc spreading unit
- ⊕ Easy, tool-less change of the machine settings
- ⊕ Easily-adjustable spread width limiter
- ⊕ Strong frame design with steep twin hopper for a continuous flow of the spreading material
- ⊕ Robust and strong design with high grade components
- ⊕ Easy filling thanks to the low design and a wide filling opening
- ⊕ Slowly rotating, maintenance-free oil-immersed gearbox

The demands on the surface quality of the upper layer and the wearing layer of asphalt roads has increased. As a matter of principle, for instance, the tarmacadam layers have to be gritted to increase the initial grip of the new road surface. This grit measure provides the traffic safety and so here it is essential to evenly distribute the grit.

The AMAZONE ZA-XS H twin disc spreader is especially well suited for gritting road surfaces. When mounted to a road roller the grit is spread into the upper zone of the still sufficiently hot top layer and is then immediately rolled. This process is carried out either directly behind the finisher or, at the latest, after the first roller process.

### No compromise!

- ✔ The important parts such as the hopper bottom, deflector plate, spreading vanes and the spread width limiter are all made from stainless steel
- ✔ Extremely corrosion-resistant cathodic dip painting process.
  - Also available in any RAL colours, for instance painted in corporate colours



## Technical data

Model	Hopper capacity (l)	Payload (kg)	Weight empty (kg)	Filling height (m)	Filling width (m)	Width (m)	Length (m)
<b>Multi-purpose spreader</b>							
E+S/E+S Hydro 301	300	1,500	156/149	0.99	0.98	1.09	1.10
E+S/E+S Hydro 301 + S 95	395	1,500	170/163	1.10	1.00	1.09	1.10
E+S/E+S Hydro 301 + S 190	490	1,500	177/170	1.20	1.00	1.09	1.10
E+S/E+S Hydro 751	750	1,500	193/185	1.30	1.40	1.51	1.34
E+S/E+S Hydro 751 + S 180	930	1,500	212/205	1.40	1.41	1.51	1.34
E+S/E+S Hydro 751 + S 360	1,110	1,500	222/214	1.50	1.41	1.51	1.34
<b>Winter salt spreader</b>							
EK-S/EK-SH 150	150	250	65/68	0.86	0.86	0.95	1.00
EK-S/EK-SH 260	260	300	69/72	0.99	1.03	1.08	1.18
EK-S/EK-SH 370	370	400	74/77	1.14	1.19	1.23	1.23
<b>Spreader for road construction</b>							
ZA-XS H 602	600	1,800	198	0.91	1.40	1.50	1.32



Illustrations, content and technical data are not binding! Technical data may deviate according to the level of equipment. Machine illustrations can vary due to country-specific traffic legislation.



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