

Stratos 1.7 - 3.0 m³

Spreader

The ultimate spreader for the winter maintenance of municipal, country and national roads. The medium series can be mounted on various multi-functional carrier vehicles, including the Unimog. The Stratos flat silo and dual chamber versions are ideal for difficult tasks such as de-icing, especially in mountainous regions.

Highlights

- **Proven, modular design** with a large variety of options and extension possibilities.
- First class manoeuvrability thanks to the **low centre of gravity.**
- **Ability to apply different spreading materials in parallel**, in varying mixing ratios or separately onto the road surface (Stratos D).

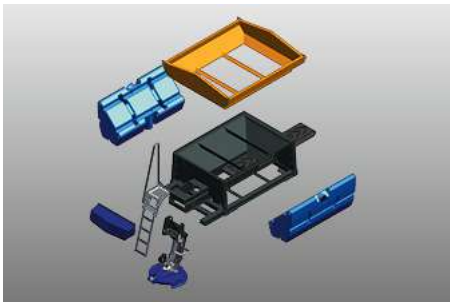
Your benefits

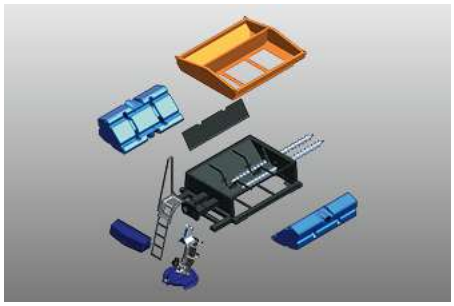
- **Maximum flexibility:** The modular design allows optimal adaptation to the carrier vehicle and operating conditions.
- **Highest spreading accuracy:** The premium mixing and spreading systems ensure the best spreading quality.
- **A plus in terms of road safety:** The low, vehicle-wide design of the Stratos F & D gives the driver a clear view to the rear and improves visibility and manoeuvrability.

Performance features

Modular concept

The modular concept of this series includes both spreaders with belt or auger conveyor systems and flat or dual chamber spreaders with dual auger conveyor systems. The series is ideal for carrier vehicles from 3.5 to 7.5 tonnes.





Mounting and demounting systems

Each of the spreaders can be equipped with one of three mounting and demounting systems:

- Base frame for demounting legs or fixed mounting
- RoRo (roll on - roll off) system suitable for full demounting
- Ball point frame for six Unimog models (U216, U218, U 318, U423, U427, U430)

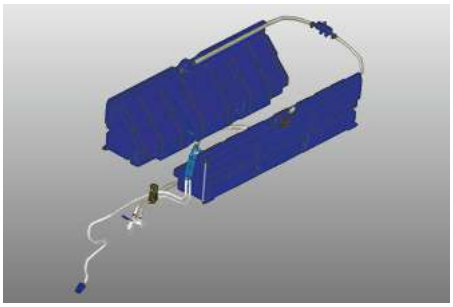
Dosage and conveyor systems

Three dosing and conveying systems are available:

- The reliable belt conveyor system, suitable for all types of gritting materials. The feed gate with integrated lump crusher function ensures trouble-free operation.
- The robust auger conveyor system with variable pitch and a dosing disc. This ensures uniform dosage and emptying of the hopper.
- The dual auger conveyor system for an especially flat hopper design and maximum utilisation of the vehicle width. Thanks to newly improved geometry and the opposite direction of rotation of the augers, the spreading pattern has been further optimised. The augers of the dual chamber version are controlled separately to allow different dosage of the two spreading materials.

Pre-wet equipment

The spreader is equipped with laterally-arranged brine tanks with a liquid level indicator and a brine pump with run-dry protection, while a rear-side Storz C connection is available for filling and emptying the brine tanks. The suction point is located in the middle of the tank, which makes operation in inhospitable mountainous regions possible without problem. When switching on the brine, the dry material is automatically reduced and the distribution system settings are optimised in accordance with the change in composition of the de-icing agent. The system achieves a high level of accuracy, thanks to integrated sensors for comparison of the actual versus the target value of the control loops.



Distribution systems

The highly developed premium mixing system of the Stratos series 4 - 12 m³ is also used here. The best possible material flow is ensured by a polyethylene discharge chute and an optimised outlet angle. The spreading material hits the spreading disc centrally and is optimally distributed until it is discharged. This creates a homogeneous mixture, which is dynamically discharged as a bundled ejection jet in such a way that the effects of the wind are compensated for as much as possible.



The swivelling technology of the spreading disc enables the symmetrical or asymmetrical spreading pattern to be adjusted manually or electronically via the control panel. Thanks to this technology, the size of the spreading area is maintained, with a precisely defined spreading pattern and a spreading width of 2 - 10 m or 3 - 12 m.

New in the range are the Premium PW50 spreading discs which allow a 2 - 6 m or 2 - 8 m width to be spread with an PW50 mix.

Drive options

There is also a choice of drive systems. The Stratos spreaders can be ordered with vehicle hydraulics, diesel engine or Rotopower.

- Vehicle hydraulics: The spreader is simply driven by the hydraulic system of the carrier vehicle.
- Motor drive: The diesel engine is integrated into the front of the spreader, reducing the additional body length required.
- Rotopower: The required drive power is taken directly from the rear wheel hub and used for the drive.

Control and information systems

The Schmidt EvolutionLine comprises three different operating concepts that make work easier and more efficient. Thanks to this sophisticated control technology, the driver can control all functions conveniently from the cab and thus react directly to changing road conditions. Depending on the equipment level, temperature-dependent dosing is available with ThermoLogic or routes can be planned in advance via Route Assistant.
If you want to monitor, plan, control in real time, optimise or, for example, bill third parties for the activities of your Stratos, then use the digital solutions on our IntelliOPS platform. IntelliOPS supports you in the efficient use of your individual machine as well as in a network with several machines, including those of other brands. Here you can find out more about our digital solutions and how you can use them in a way that is modular and adapted to your needs.





Gallery







Variants

Stratos 25



The Stratos 25 is a silo spreader with a hopper capacity of 2.5 m^3.

Stratos F 25



The Stratos F25 is a flat silo spreader with a hopper capacity of 2.5 m^3.

Related products

eSyntos

Spreader



Syntos

Spreader



Stratos 4.0 - 12.0 m^3

Spreader



Technical data

	Stratos 17	Stratos 20	Stratos 25
Hopper			
Hopper capacity	1.7 m³	2 m³	2.5 m³
Pre-wet equipment			
Tank capacity lateral tanks	850 l	850 / 1,090 l	1,090 / 1,270 l
Conveyor system			
Conveyor system	belt / Auger	belt / Auger	belt / Auger
Distribution system			
Distribution systems	Premium 5-zone mixing system: Spreading disc diameter: 490 mm Spreading width: 2 - 10 m Spreading disc: Premium 5-zone with PW50 Spreading disc diameter: 490 mm Spread. width: 2-10 m/PW50 2-6 m Premium 5-zone mixing system: Spreading disc diameter: 660 mm Spreading width: 3 - 12 m Premium 5-zone mixing system: Spreading disc diameter: 660 mm Spread. width: 3-12 m/PW50 2-8 m	Premium 5-zone mixing system: Spreading disc diameter: 490 mm Spreading width: 2 - 10 m Spreading disc: Premium 5-zone with PW50 Spreading disc diameter: 490 mm Spread. width: 2-10 m/PW50 2-6 m Premium 5-zone mixing system: Spreading disc diameter: 660 mm Spreading width: 3 - 12 m Premium 5-zone mixing system: Spreading disc diameter: 660 mm Spread. width: 3-12 m/PW50 2-8 m	Premium 5-zone mixing system: Spreading disc diameter: 490 mm Spreading width: 2 - 10 m Spreading disc: Premium 5-zone with PW50 Spreading disc diameter: 490 mm Spread. width: 2-10 m/PW50 2-6 m Premium 5-zone mixing system: Spreading disc diameter: 660 mm Spreading width: 3 - 12 m Premium 5-zone mixing system: Spreading disc diameter: 660 mm Spread. width: 3-12 m/PW50 2-8 m
Mounting/demount system			
Mounting/demount system	Demount legs / Fixed-mounted	Demount legs / Fixed-mounted	Demount legs / Fixed-mounted / RoRo
Drive system			
Type of drive	Vehicle hydraulics / Rotopower / Engine drive	Vehicle hydraulics / Rotopower / Engine drive	Vehicle hydraulics / Rotopower / Engine drive
Control system			
Control system	EC / EP / ES	EC / EP / ES	EC / EP / ES
Dimensions			
Hopper length	1,900 mm	1,900 / 2,200 mm	2,200 / 2,500 mm
Mounting length	2,200 / 2,500 mm	2,200 / 2,500 / 2,800 mm	2,500 / 2,800 / 3,100 mm
Hopper width	1,890 mm	1,890 mm	1,890 mm
Frame width	1,600 mm	1,600 mm	1,600 mm
Hopper height	1,270 mm	1,355 / 1,270 mm	1,390 / 1,320 mm
Weights			
Empty weight approx.	620 kg	630 kg	665 kg

	Stratos 30	Stratos D 14 / D 15	Stratos D 17
Hopper			
Hopper capacity	3 m³	1.4 - 1.5 m³	1.7 m³
Pre-wet equipment			
Tank capacity lateral tanks	1,270 l	850 l	850 l
Conveyor system			
Conveyor system	belt / Auger	Dual auger	Dual auger
Distribution system			
Distribution systems	Premium 5-zone mixing system: Spreading disc diameter: 490 mm Spreading width: 2 - 10 m Spreading disc: Premium 5-zone with PW50 Spreading disc diameter: 490 mm Spread. width: 2-10 m/PW50 2-6 m Premium 5-zone mixing system: Spreading disc diameter: 660 mm Spreading width: 3 - 12 m Premium 5-zone mixing system: Spreading disc diameter: 660 mm Spread. width: 3-12 m/PW50 2-8 m	Premium 5-zone mixing system: Spreading disc diameter: 490 mm Spreading width: 2 - 10 m Spreading disc: Premium 5-zone with PW50 Spreading disc diameter: 490 mm Spread. width: 2-10 m/PW50 2-6 m Premium 5-zone mixing system: Spreading disc diameter: 660 mm Spreading width: 3 - 12 m Premium 5-zone mixing system: Spreading disc diameter: 660 mm Spread. width: 3-12 m/PW50 2-8 m	Premium 5-zone mixing system: Spreading disc diameter: 490 mm Spreading width: 2 - 10 m Spreading disc: Premium 5-zone with PW50 Spreading disc diameter: 490 mm Spread. width: 2-10 m/PW50 2-6 m Premium 5-zone mixing system: Spreading disc diameter: 660 mm Spreading width: 3 - 12 m Premium 5-zone mixing system: Spreading disc diameter: 660 mm Spread. width: 3-12 m/PW50 2-8 m
Mounting/demount system			
Mounting/demount system	Demount legs / Fixed-mounted / RoRo	Demount legs / Fixed-mounted	Demount legs / Fixed-mounted
Drive system			
Type of drive	Vehicle hydraulics / Rotopower / Engine drive	Vehicle hydraulics	Vehicle hydraulics

	Stratos 30	Stratos D 14 / D 15	Stratos D 17
Control system			
Control system	EC / EP / ES	EC / EP / ES	ES
Dimensions			
Hopper length	2,500 mm	1,900 mm	2,000 mm
Mounting length	2,800 / 3,100 mm	2,200 mm	2,200 / 2,500 mm
Hopper width	1,890 mm	1,890 mm	2,000 mm
Frame width	1,600 mm	1,800 mm	1,800 mm
Hopper height	1,425 mm	1,030 mm	985 mm
Weights			
Empty weight approx.	700 kg	715 kg	743 kg

	Stratos D 20	Stratos D 25	Stratos D 30
Hopper			
Hopper capacity	2 m^3	2.5 m^3	3 m^3
Pre-wet equipment			
Tank capacity lateral tanks	850 / 1,090 l	1,090 / 1,270 l	1,270 l
Conveyor system			
Conveyor system	Dual auger	Dual auger	Dual auger
Distribution system			
Distribution systems	Premium 5-zone mixing system: Spreading disc diameter: 490 mm Spreading width: 2 - 10 m Spreading disc: Premium 5-zone with PW50 Spreading disc diameter: 490 mm Spread. width: 2-10 m/PW50 2-6 m Premium 5-zone mixing system: Spreading disc diameter: 660 mm Spreading width: 3 - 12 m Premium 5-zone mixing system: Spreading disc diameter: 660 mm Spread. width: 3-12 m/PW50 2-8 m	Premium 5-zone mixing system: Spreading disc diameter: 490 mm Spreading width: 2 - 10 m Spreading disc: Premium 5-zone with PW50 Spreading disc diameter: 490 mm Spread. width: 2-10 m/PW50 2-6 m Premium 5-zone mixing system: Spreading disc diameter: 660 mm Spreading width: 3 - 12 m Premium 5-zone mixing system: Spreading disc diameter: 660 mm Spread. width: 3-12 m/PW50 2-8 m	Premium 5-zone mixing system: Spreading disc diameter: 490 mm Spreading width: 2 - 10 m Spreading disc: Premium 5-zone with PW50 Spreading disc diameter: 490 mm Spread. width: 2-10 m/PW50 2-6 m Premium 5-zone mixing system: Spreading disc diameter: 660 mm Spreading width: 3 - 12 m Premium 5-zone mixing system: Spreading disc diameter: 660 mm Spread. width: 3-12 m/PW50 2-8 m
Mounting/demount system			
Mounting/demount system	Demount legs / Fixed-mounted	Demount legs / Fixed-mounted / RoRo	Demount legs / Fixed-mounted / RoRo
Drive system			
Type of drive	Vehicle hydraulics	Vehicle hydraulics	Vehicle hydraulics
Control system			
Control system	ES	ES	ES
Dimensions			
Hopper length	2,000 / 2,300 mm	2,300 / 2,600 mm	2,600 mm
Mounting length	2,200 / 2,350 / 2,500 / 2,800 mm	2,350 / 2,500 / 2,650 / 2,800 / 3,100 mm	2,650 / 2,800 / 3,100 mm
Hopper width	2,000 mm	2,000 mm	2,000 mm
Frame width	1,800 mm	1,800 mm	1,800 mm
Hopper height	1,060 / 985 mm	1,095 / 1,030 mm	1,130 mm
Weights			
Empty weight approx.	760 kg	815 kg	880 kg

	Stratos F 14 / F15	Stratos F 17	Stratos F 20
Hopper			
Hopper capacity	1.4 - 1.5 m^3	1.7 m^3	2 m^3
Pre-wet equipment			
Tank capacity lateral tanks	850 l	850 l	850 / 1,090 l
Conveyor system			
Conveyor system	Dual auger	Dual auger	Dual auger

	Stratos F 14 / F15	Stratos F 17	Stratos F 20
Distribution system			
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Mounting/demount system			
Mounting/demount system	Demount legs / Fixed-mounted	Demount legs / Fixed-mounted	Demount legs / Fixed-mounted
Drive system			
Type of drive	Vehicle hydraulics	Vehicle hydraulics	Vehicle hydraulics
Control system			
Control system	EC / EP / ES	EC / EP / ES	EC / EP / ES
Dimensions			
Hopper length	1,900 mm	2,000 mm	2,000 / 2,300 mm
Mounting length	2,200 mm	2,200 / 2,500 mm	2,200 / 2,350 / 2,500 / 2,800 mm
Hopper width	1,890 mm	2,000 mm	2,000 mm
Frame width	1,800 mm	1,800 mm	1,800 mm
Hopper height	1,030 mm	985 mm	1,060 / 985 mm
Weights			
Empty weight approx.	695 kg	720 kg	735 kg

	Stratos F 25	Stratos F 30
Hopper		
Hopper capacity	2.5 m^3	3 m^3
Pre-wet equipment		
Tank capacity lateral tanks	1,090 / 1,270 l	1,270 l
Conveyor system		
Conveyor system	Dual auger	Dual auger
Distribution system		
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Mounting/demount system		
Mounting/demount system	Demount legs / Fixed-mounted / RoRo	Demount legs / Fixed-mounted / RoRo
Drive system		
Type of drive	Vehicle hydraulics	Vehicle hydraulics
Control system		
Control system	EC / EP / ES	EC / EP / ES
Dimensions		
Hopper length	2,300 / 2,600 mm	2,600 mm
Mounting length	2,350 / 2,500 / 2,650 / 2,800 / 3,100 mm	2,650 / 2,800 / 3,100 mm
Hopper width	2,000 mm	2,000 mm
Frame width	1,800 mm	1,800 mm
Hopper height	1,095 / 1,030 mm	1,130 mm
Weights		
Empty weight approx.	785 kg	840 kg

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