

Stratos/Syntos/Traxos

For small and medium carrier vehicles



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Safety knows no alternative

Winter maintenance is a particularly important task for you as a town or community. The safety of residents and road users is of the highest priority. The type and size of gritting vehicles are determined by different requirements such as area of application and carrier vehicle. Our range offers the right solution for every requirement.



			Areas of application				
			Town & community	Cycle paths	Country roads, A-roads and motorways	Small to medium-sized areas such as car parks, company grounds	Large areas such as exhibition and industrial sites
Syntos	Mountable spreaders	0,8 – 1,7 m ³	✓	✓		✓	
Syntos	Towed spreaders	0,8 – 1,7 m ³	✓	✓		✓	
Stratos	Mountable spreaders	0,6 – 0,8 m ³	✓	✓		✓	
Stratos	Mountable spreaders	1,7 – 3,0 m ³	✓		✓	✓	✓
Stratos flat silo	Mountable spreaders	1,1 – 1,7 m ³	✓	✓		✓	
Stratos flat silo	Mountable spreaders	1,2 – 3,5 m ³	✓		✓	✓	✓
Stratos dual chamber	Mountable spreaders	1,1 – 1,7 m ³	✓	✓		✓	
Stratos dual chamber	Mountable spreaders	1,2 – 3,5 m ³	✓		✓	✓	✓
Traxos	Attachable spreaders	0,5 – 1,8 m ³	✓	✓		✓	



Effective spreading in winter maintenance

Significant factors when selecting spreading methods and spreading material include the weather situation, temperature, staying duration of the grit depending on the road condition, and traffic intensity.

Weather	Road surface	Purpose	Spreading material	Dosage*
Dry frost	Dry	Preventive	Wet salt	15 g/m ²
Wet frost	Damp		Wet salt	35 g/m ²
Light snowfall	Wet	Curative	Wet salt	15 - 40 g/m ²
Heavy snowfall	Snow		Dry salt Grit	20 - 40 g/m ²
Ice / sleet	Snow		Dry salt Grit	100 - 150 g/m ²

*depending on weather and local conditions



Safety knows no alternative

High
mountain
and alpine
region

- 1 Dry salt spreading & grit**
- for low temperatures
 - on roads with heavy traffic
 - in high mountain areas or due to local conditions

- 2 Wet salt spreading**
- spreading salt down to -8°C // calcium chloride down to -15°C
 - on roads with both low and heavy traffic
 - low spreading loss due to better road grip
 - quicker and longer effect
 - better spread pattern

- 3 Brine spraying***
- for frequent preventive use
 - on dry or wet roads down to -5°C
 - on roads with heavy traffic and high driving speeds
 - reduces salt usage to around 20%
 - reduces environmental impact
 - increases road safety

*Spraying machines are the better option for pure brine spraying. You can find additional product information in our Combi Soliq brochure.





SYNTOS – particularly robust

The technical concept

The Syntos is a robust sprayer made of durable plastic. The liquid tank integrated in the container enables even emptying and contributes to a low centre of gravity. You can choose from four container sizes and various frame lengths.

You have the option of a belt or screw conveyor for the dosing system. For the trailer variant, dosing is performed exclusively through the belt conveyor system. A V-shaped, continuously profiled conveyor belt is used, which runs on a sliding plate, thus leaving no bearing points in the container. The dosing slider with integrated clump crusher ensures high dosing accuracy. The screw conveyor has a variable thread, thus ensuring even container emptying. It is powered by a hydraulic motor.

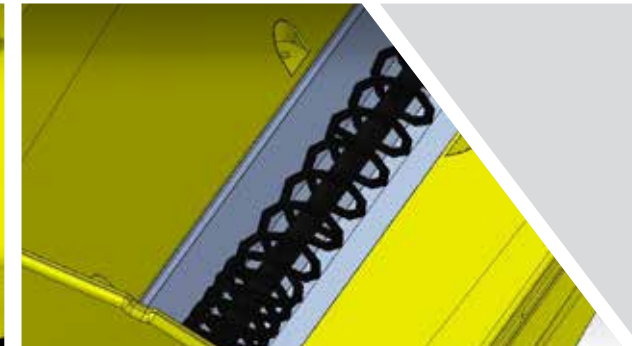
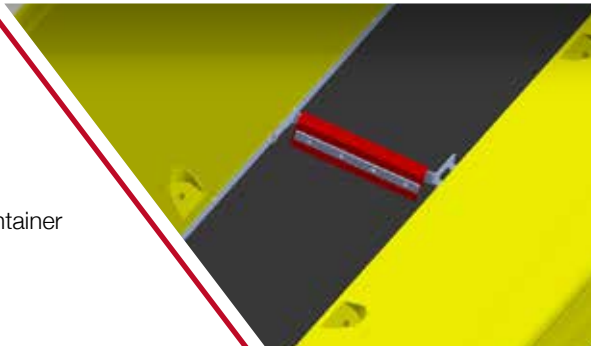
The spreading material is applied via a stainless-steel disperser with 350 mm Ø. The complete distributor system can be folded up and is continuously adjustable. You can there-

fore set the ideal distance from the ground for every carrier vehicle. The spreading width is 2–6 m. Electric spread pattern adjustment is available in combination with the EP or ES control panel.

	8	11	15	17	8	11	17
Technical data	Mountable spreaders				Towed spreaders		
Container volume (m³)	0,8	1,1	1,5	1,7	0,8	1,1	1,7
Tank volume (l)	400 / 520	400 / 520	520 / 625	625	400	520	625
Conveyor systems	Belt / screw				Belt		
Distributor systems	350 mm Ø disperser				350 mm Ø disperser		
Spreading width from-to (m)	2 – 6 m				2 – 6 m		
Parking system	Parking supports				-		
Drive systems	Vehicle hydraulics / Rotopower / petrol engine				Integrated drive / vehicle hydraulics		
Control systems	EC / EP / ES				EC / EP / ES		
Unladen weight from approx. (kg)	369	377	420	471	840	954	1107

Benefit from:

- Highly robust, non-corrosive container
- A low centre of gravity thanks to the liquid tank integrated in the container
- Professional control system with data management option





Winterdienst

schmidt

Frontech S.J5

STRATOS – specialist for small surfaces

Spreaders for communal winter maintenance of small areas, cycling and walking paths, as well as alleys and municipal roads through to country roads and A-roads. The small Stratos series can be optimally tailored for set-up on transporters with flatbeds, pickups and narrow track vehicles. Unimog and medium-sized transporters are also suitable from a 1.7 m³ capacity.

The technical concept

The spreaders can be equipped with either the classic screw conveyor system or the reliable belt conveyor system. When it comes to preventive de-icing, the spreading material is used economically owing to the wet salt technology. The drive is effected via the existing hydraulic system of the carrier vehicle, via the CO₂-neutral Rotopower solution or via a vehicle-independent engine solution. Each system is designed for maximum efficiency at minimum cost.

The Schmidt EvolutionLine includes three different operating concepts that make your work easier and more efficient. Thanks to this sophisticated control technology, the driver can conveniently control all functions from their cab and thus react directly to lane situation changes. Depending on the version, temperature-dependent dosing (ThermoLogic), planning routes in advance (AutoLogic) and comparisons with the SmartCare spreader data management system are all possible.

	06	08	17	20	25	30
Technical data	Small series		Medium series			
Container volume (m ³)	0,6	0,8	1,7	2	2,5	3
Tank volume (l)	350	350	880	880	1210	1210
Conveyor systems	Belt / screw		Belt / screw			
Distributor systems	350 mm Ø disperser		490 / 660 mm Ø premium disperser			
Spreading width from-to (m)	2 – 6 m		2 – 10 m / 3 – 12 m			
Parking system	Parking supports		Parking supports / parking tipper		Parking supports / Parking tipper / RoRo	
Drive systems	Vehicle hydraulics / Rotopower / motor drive		Vehicle hydraulics / Rotopower / motor drive / PTO mounted pump			
Control systems	EC / EP / ES		EC / EP / ES			
Unladen weight from approx. (kg)	331	331	605	616	665	682

Benefit from:

- Tried-and-tested technology as in the large Stratos series
- Flexible modular design for optimal customisation to your carrier vehicle and your usage conditions
- Various control solutions specially developed for the winter maintenance service
- Maximum distribution accuracy and spreading quality with the premium mixing and distributor system



STRATOS F & D – ideal in mountain regions

Ideal for difficult de-icing tasks, particularly in mountain regions. The small Stratos flat silo and double chamber spreaders are specially designed for installation on narrow track vehicles. The medium series can be installed on numerous multifunctional carrier vehicles including Unimog.

The technical concept

While the Stratos F can apply one spreading material per use, the Stratos D is able to disperse various spreading materials on the road simultaneously. De-icing materials, grit or mixed spreading material can be dispersed. Both the Stratos F and the Stratos D work with two screw conveyors. The directly controllable screw conveyors of the Stratos D work separately for flexible spreading. The integrated premium distributor system with a 5-zone mixing system enables perfect mixing and dosing, so you only disperse the amount of spreading material needed for the specific situation. The Stratos F is controlled through one of the three EvolutionLine control panels – EC, EP or ES.

The double chamber spreaders are controlled through the intelligent ES control panel. The ThermoLogic and AutoLogic systems can also be integrated here, as can our SmartCare spreading data management system.

	11	13	17	12	14	17	20	25	30	35
Technical data	Small series			Medium series						
Container volume (m ³)	1,1	1,3	1,7	1,2	1,4	1,7	2	2,5	3	3,5
Tank volume (l)	-	-	-	700	700	700 / 860	860	860 / 1.250	1250	1250
Conveyor systems	Double screw system			Double screw system						
Distributor systems	350 mm Ø disperser			490 / 660 mm Ø premium disperser						
Spreading width from-to (m)	2 – 6 m			2 – 10 m / 3 – 12 m						
Parking system	Parking supports			Parking supports						
Drive systems	Vehicle hydraulics			Vehicle hydraulics / PTO mounted pump						
Stratos F control systems	EC / EP / ES			EC / EP / ES						
Stratos D control systems	ES			ES						
Unladen weight of Stratos F from approx. (kg)	385	440	495	672	672	708	754	821	871	897
Unladen weight of Stratos D from approx. (kg)	385	440	495	700	700	740	740	792	867	958



Benefit from:

- Superb manoeuvrability thanks to the low centre of gravity
- Free view to the rear owing to the low, vehicle-width design
- Stratos D: spread a precise dose of spreading material from two separate chambers during the same run

TRAXOS – quick application

The professional attachable spreaders of the Traxos series are suitable for de-icing in smaller, communal areas. They can be quickly installed on tractors with 3-point linkage of category I / II (Traxos 05 and 08) or II / III (Traxos 09 to 18), as well as wheeled and backhoe loaders.

The technical concept

The V-shaped spreading material container holds an open screw conveyor which precisely measures out the spreading material and feeds it to the disperser. The spreading material is spread via a stainless-steel disperser with 350 mm Ø (Traxos 05 and 08) or 490 mm Ø (Traxos 09 and 18). The spreading width measures 2–6 m or 8 m. The spreading width can be continuously adjusted via the EC or EP control panel in the driver's cab. Conventional, manual adjustment via the hydraulic valves is also possible. With an EvolutionLine control panel, the Traxos spreader is fully path-dependent and has a closed control circuit for precise dosing.

The Traxos 12 and 15 are also available as wet salt variants. The liquid tank with a 430 l capacity is made of durable plastic and includes a fill level indicator.

The Traxos series is powered by tractor hydraulics. The spreaders can be installed quickly and easily, making them usable in a very short time. The driver can load the spreader alone using the self-loading equipment. The spreading material container is tilted hydraulically, pushed into the spreading material like a loading shovel and then swivelled back. The spreading material can be protected with the optional tarpaulin.





	05N	05S	08N	08S	9	12	15	18
Technical data	Small series				Medium series			
Container volume (m ³)	0,5	0,5	0,8	0,8	0,9	1,2	1,5	1,8
Tank volume (l)	-	-	-	-	-	430	430	-
Conveyor systems	Screw				Screw			
Distributor systems	350 mm Ø disperser				490 mm Ø premium disperser			
Spreading width from-to (m)	2 – 6 m				2 – 8 m			
Parking system	Parking supports				Parking supports			
Drive systems	Vehicle hydraulics				Vehicle hydraulics			
Control systems	Manual control / EC / EP				Manual control / EC / EP			
Unladen weight from approx. (kg)	320	450	355	505	475	525	575	625



Benefit from:

- Quick installation making it usable in a very short time
- Continuous adjustable spreading width which enables quick adaptation to the field
- Quick and easy loading via the self-loading equipment



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Marketing and Communication

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