



More than products. A partnership.

AXIOM

Stainless steel spreader

AXIOM is a rotational silo spreader made of stainless steel. The choice between four types of transport systems, pre-wetting system and a number of additional options ensure reliable, precise and efficient work performance.



Long lasting and durable spreading solution

AXIOM rotational silo spreaders made from stainless steel stand out for their durability, simplicity and flexible design. A choice of hopper capacities from 3 to 9 m³ as well as different mounting and drive options make this type of spreader ideal for mounting onto vehicles used in winter maintenance of urban streets, regional roads and motorways. AXIOM uses numerous components and construction solutions that have been proved on the RASCO SOLID spreader family. With a reduced mass they maintain the robustness required for long term operation in demanding conditions. Four different versions of the material transport system are available to make each spreader best suited to specific spreading materials and working conditions.

Every AXIOM spreader can be fitted with a pre-wetting system which enables more efficient de-icing and reduces the total amount of spreading agent spent in comparison with conventional dry spreading.

To ensure a continuous and steady flow of dry agent, a multi-segment protective mesh is placed on top of the hopper to prevent large clumps from dropping in during the filling of the spreader, while a built-in mixing axle prevents the formation of the tunnel effect. A foldable cover tarpaulin protects the spreading agent from atmospheric conditions. Mounting and demounting from the drive vehicle can be performed with minimal effort and in only minutes regardless whether the spreader is mounted directly on the chassis or onto a tipper body. The spreader can be driven through the vehicle's hydraulic system or, for maximum autonomy, using a hydraulic power unit installed on the side of the spreader.

All spreading parameters, such as dry and pre-wetted agent quantity, or spreading pattern, are controlled by the user through one of the EPOS control units.



WHY CHOOSE AXIOM SPREADER?



✓ Made from stainless steel

AXIOM is made of stainless steel, which means it is durable and reliable even in the harshest winter conditions. It is lighter compared to conventional RASCO spreaders.



✓ All RASCO spreader options available

The solutions used on the AXIOM have already been proven on the RASCO SOLID spreader family.

AXIOM can be equipped with 4 different types of dry material transport system, pre-wetting system and many additional options.



Maximum spreading efficiency

To ensure a continuous and steady flow of dry agent, a multi-segment protective mesh is placed on top of the hopper to prevent large clumps from dropping in during the filling of the spreader, while a built-in mixing axle prevents the formation of the tunnel effect.



✓ Lowest cost of ownership

The unique surface protection system, ease of use and maintenance, robust design, high-quality materials, and hydraulic components produced by renowned manufacturers guarantee safe investment in the AXIOM spreaders.

Proven durability, safety, efficiency, simplicity, and availability of service parts and post-sales support guarantee the lowest total cost of ownership of a spreader currently available on the market.

BASIC PARTS OF AXIOM SPREADER

1 | Dry agent hopper

Constructed and manufactured from stainless steel in a way that prevents the adherence of spreading material to the spreader's walls, eliminates the tunnel effect and ensures a continuous flow of material toward the distribution system.

2 | Transport system

It can be auger, rubber belt, chain or chain with a lowered bottom. It enables the use of almost all available materials for dry spreading.

3 | Distribution system

The exit chute and spinner for rotation spreading enable uniform application of material over the entire spreading width.

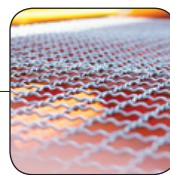
4 | Traffic signalization

Installed according to legal regulations in force in the country of use. Reflective labels, rotating lights and illuminated signs ensure good visibility of the spreader and vehicle in all weather conditions.

5 | Control units

Ergonomically shaped and simple to use, EPOS control units enable the control of spreading parameters from the vehicle cabin without the need to look away from the road or distracting the driver while driving.





6 | Multi-segment safety mesh and cover

Protects the spreader from damage when the spreading material is being added and prevents the material in the hopper from becoming wet.



7 | Safety fence

Lowering the access ladder activates a mechanism which raises the fence on top of the spreader, increasing the safety of the user when climbing on top.

8 | Mounting system

Intended for mounting of the spreader in tipper box or directly on vehicle chassis.

9 | Spreader drive

It can be performed via the vehicle's built-in hydraulics or a hydraulic unit mounted on the spreader.

10 | Modular pre-wetting system

Increases the percentage of moisture in dry spreading materials in order to increase their capability of adherence to the surface and their road de-icing performance.

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11 | Storage outside the season

Storage of spreaders outside the season is made easier with the use of storage legs, available in different variations.

Every spreader needs a vehicle

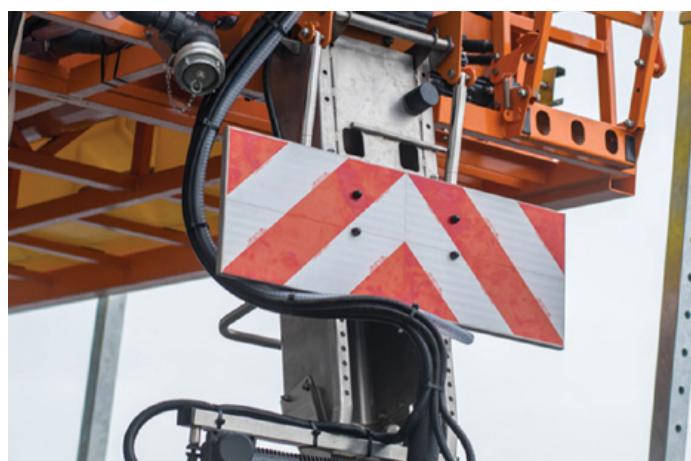
AXIOM spreaders can be mounted on trucks, in the vehicle's tipper box or directly on the vehicle chassis. Mounting of spreaders on vehicles is performed according to strict safety standards and recommendations of vehicle manufacturers. The spreaders can be quickly mounted and de-mounted from the vehicle.



RASCO spreader safety

Mounting the spreader on vehicles is performed according to strict safety standards and recommendations of the vehicle manufacturer.

Spreaders are marked with light and reflective markings that ensure visibility of the winter service vehicle regardless of weather conditions.



Solution for vehicles with and without built-in hydraulic system



Vehicles with built-in hydraulic system

AXIOM spreaders can be powered using a built-in hydraulic system of the vehicle if it is designed according to the EN ISO 15431 standard.



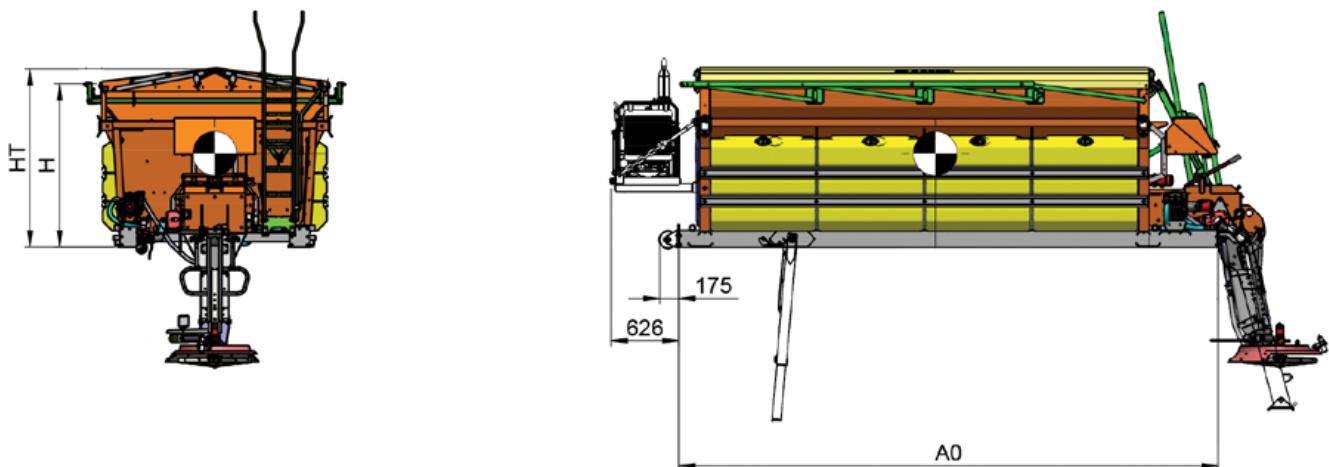
Vehicles without built-in hydraulic system

If the vehicle is not equipped with a hydraulic system, the SOLID spreader can be powered using the highly reliable diesel-hydraulic power unit which is available as an option with the spreader.

With this solution, the spreader becomes independent of the vehicle and can be easily and quickly moved to any carrier vehicle of sufficient capacity.



TECHNICAL CHARACTERISTICS



Model	Dry agent capacity	Available pre-wetting tanks capacities	Spreading width	A0	H	HT
	m³	L	m	mm	mm	mm
3500	3,0 - 4,0	760 - 1520	2 - 9 / 3 - 12	4610	1395 - 1500	1525 - 1630
4200	4,0 - 6,0	760 - 2280		5190	1395 - 1630	1525 - 1760
5200	6,0 - 9,0	760 - 3040		6190	1395 - 1750	1525 - 1880

CHOICE OF EQUIPMENT

- Pre-wetting system
- Liquid agent pump from 100, 200, 300 or 400 L/min
- Front and side liquid tanks
- Liquid spraying ramp
- Stainless steel transport system
- Control units, sensors, cameras and actuators for automation of spreading
- Spinner for spreading up to 9 or 12 m
- Solid material mixing axle
- Mounting on tipper body or directly onto chassis
- Drive via vehicle hydraulics or hydraulic power unit
- Tension chains or belts for tipper box
- Telescopic legs with jacks and additional frame for mounting and demounting empty or full spreader
- RO-RO legs for mounting and demounting empty or full spreader
- Access ladders
- Pouring protections
- Safety fences
- Working and rotating lights
- Visual markings
- Colour tone by request
- Cover meshes and tarpaulin



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