



spreader **SOLID X**



spreader with
worm conveyor





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Application

SOLID X spreaders are designed for the gritting of icy roads, paths and other surfaces using salt, sand and salt-and-sand mixes.

Technical description

Dosage of the spreading material is done by the worm conveyor. These devices are fitted with all necessary equipment to enable unhindered, quality and efficient road de-icing operations even under the most difficult winter conditions. SOLID X spreaders can be used for gritting with salt, rock granulate, various mixes, as well as with different pre-wetting materials, such as sodium chloride and calcium chloride.

Loading system

The loading system enables extremely user-friendly loading of the spreader onto the truck. The front legs always remain along the spreader and the rear legs are taken off the spreader when not operating.



Beacon - rotating light

Warns other drivers about current spreading. Additional rotating light is available on request. Option.



Dosage system

Dosage of the spreading material is done by worm conveyor.



Operating light

For visual control of spreading. LED operating light also available. Option.

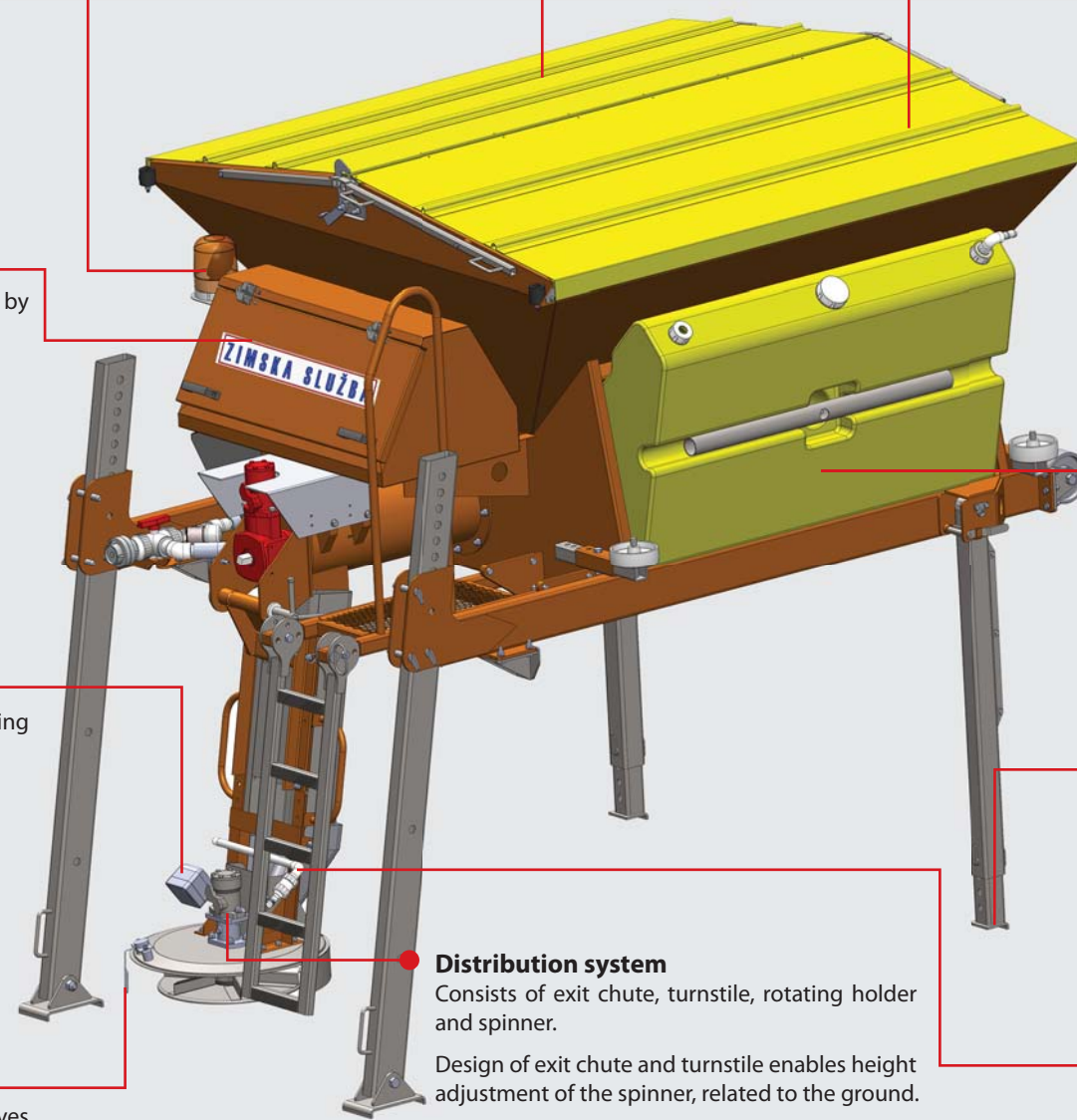


Spreading sensor

Sensing the material exiting the spinner. Gives the signal to the control unit if spreading is stopped. Message is shown on unit's screen.

Protective grid

Mainly protects from entering the hopper and contact with conveyor, but also prevents bigger lumps of material to get into the hopper.



Distribution system

Consists of exit chute, turnstile, rotating holder and spinner.

Design of exit chute and turnstile enables height adjustment of the spinner, related to the ground.

Rotating holder enables spinner rotation to left or right in relation to driving direction and changes the spreading asymmetry.

Concave spinner ensures minimum bouncing of the material from the surface.

Tarpaulin cover with steel frame

Protects solid spreading agent from weather conditions (rain, snow, humidity) to prevent tunnel effect. Delivered as option. The tarpaulin is opened from the ground by means of a rope.



Pre-wetting system

Consists of tanks, pump, dispenser, filling coupling, maximum level sensor, one-way valve and hoses. Possible to be upgraded with minimum level sensor. Option.

Ro-Ro system

Enables simple loading into the truck's tipper box. Consists of height adjustable front and rear legs. Available in payloads of 3, 5 or 10 tons.

Spreading pattern

Manual system for changing spreading pattern is standard.

Automatic system is available as an option.

device	Solid X 1.7	Solid X 2.0	Solid X 2.5	Solid X 3.0	Solid X 4.5	Solid X 5.0	Solid X 6.0	Solid X 7.0	Solid X 8.0
dimensions [mm]	1.7	2.0	2.5	3.0	4.5	5.0	6.0	7.0	8.0
spreader capacity [m ³]	1.7	2	2.5	3	4.5	5	6	7	8
spreading width* [m]	2 ÷ 9 (3 ÷ 12)								
brine tank volume	840	800	1000	1200	1800	2300	2300	2500	2500
weight** [kg]	800	900	1000	1200	1640	1800	1900	2090	2000

* spreader width depends on customer's requirements

** spreader weight depends on additional equipment required by customer

Control Unit

EPOS 2

Basic features of the EPOS 2 control unit are:

- speed-dependent spreading;
- spreading width and quantity adjustment using two potentiometers in an open regulation circuit;
- pre-programmed to operate with two different „dry“ and one „wet“ spreading agents;
- programmable to work with any known type of spreading agent (dry and wet), according to customer's request;
- spreading material total consumption memory;
- simulation of spreading speed;
- spreader tank emptying switch;
- working light and rotating light on/off switches;
- „MAX“ switch



EPOS 5

Basic features of the EPOS 5 control unit are:

- speed-dependent spreading;
- pre-programmed to operate with several different „dry“ and „wet“ spreading agents;
- spreading width ranging from 2 ÷ 9 m (3 ÷ 12 m) in 0,5 m steps for left and right asymmetry
- changeable pre-wetting material percentage 10% to 40%;
- fast and simple calibration;
- spreading parameters adjustment by closed regulation circuits;
- option of no-feedback operation for wet spreading (feedback off);
- internal data storage for recording and quick view of reports (daily, seasonal);
- RS232 port to connect GPS-GPRS automatic monitoring module and send data regarding the spreader, vehicle and plough;
- made for CAN - BUS open communication system in compliance with protocol CEN TC 337 / WG3 EN 15430-1



EPOS 10

Basic features of the EPOS 10 control unit are:

- speed-dependent spreading;
- pre-programmed to operate with several different „dry“ and „wet“ spreading agents;
- spreading width ranging from 2 ÷ 9 m (3 ÷ 12 m) in 0,5 m steps for left and right asymmetry;
- changeable pre-wetting material percentage 10% to 40%;
- fast and simple calibration;
- spreading parameters adjustment by closed regulation circuits;
- data download and operating parameters input from/to control panel via USB memory stick;
- RS232 port to connect GPS-GPRS automatic monitoring module and send data regarding the spreader, vehicle and plough;
- option to spread using thermo-camera according to set parameters;
- made for CAN - BUS open communication system in compliance with protocol CEN TC 337 / WG3 EN 15430-1



Additional Equipment



Diesel hydraulic power unit

Spreader can be equipped with external diesel-hydraulic power unit if the vehicle does not have proper hydraulic system. Customer can choose between two versions:

- single circuit diesel-hydraulic power unit for spreader only;
- double circuit diesel-hydraulic power unit (with or without weight relief) for snow plough and spreader;

Ignition and shut down of the engine is done by EPOS 5 or EPOS 10 control unit.

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Dealer

