



spreader **JUNIOR**



*spreader for
emergency
spreading*





spreader for emergency spreading

Application

JUNIOR salt spreader is designed for emergency spreading on partially frozen roads (ravines, overpasses, bridges, etc.) in the transitory period of the winter maintenance service, as well as on narrow and short city roads where larger spreading devices cannot enter.

Technical description

The standard spreader version features the drive via the vehicle hydraulics. If the vehicle does not feature a proper hydraulic system, the spreader can be equipped with a hydraulic unit powered by petrol engine.

The spreading parameters are managed by a control unit located in the vehicle cabin. Optionally, the spreader can be equipped with the following control units:

- EPOS 1;
- EPOS 2;
- EPOS 5.

Standard equipment:

- spreader housing;
- protective cover above the auger;
- protective grid above the container (mesh 40x40 mm);
- front wheels;
- mechanism for manual changing of the spreading pattern;
- adjustable storage legs;
- EPOS 1 control unit

Additional equipment:

- hydraulic unit powered by HONDA engine with 6,5 HP;
- chains and tensioners for spreader fastening on vehicle;
- cover tarpaulin;
- spreading control contact sensor - microphone;
- operating light;
- rotating light - beacon;
- EPOS 2 control unit
- EPOS 5 control unit
- Hydraulic unit powered by LOMBARDINI engine with 11 HP



Beacon - rotating light

Warns other drivers about current spreading. This element is obligatory when the device is to be used on public roads. Option.

Cover tarpaulin

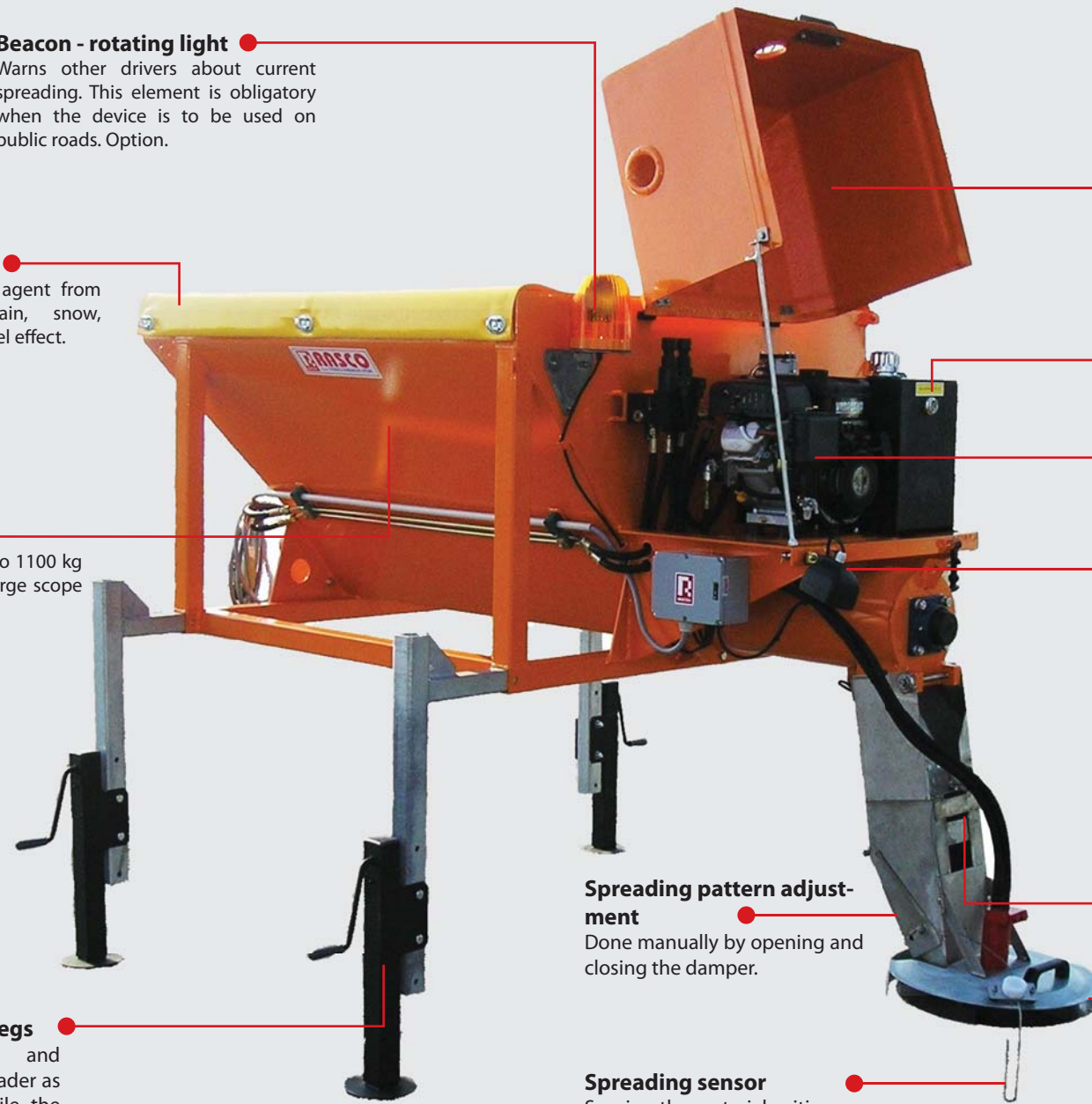
Protects solid spreading agent from weather conditions (rain, snow, humidity) to prevent tunnel effect.

Hopper

The hopper can hold up to 1100 kg of salt which enables a large scope of spreading.

Detachable storage legs

Used for mounting and dismounting of the spreader as well as for storage while the device is not used.



Spreading pattern adjustment

Done manually by opening and closing the damper.

Spreading sensor

Sensing the material exiting the spinner. Gives the signal to the control unit if spreading is stopped.

Engine cover

Protects the engine and the hydraulic installation against weather conditions.

Oil tank

Petrol engine

Provides autonomous drive for the spreader.

Operating light

For visual control of spreading. Option.



Exit chute

Conveys the spreading agent to the spinner.

Spinner

Spreads the spreading agent.



	weight [kg]	spreading width [mm]	spreading quantity [gr/m ²]	hopper volume [m ³]
JUNIOR 1.0	460	0 ÷ 8	0 ÷ 50	1.0
JUNIOR 1.2	510	0 ÷ 8	0 ÷ 50	1.2
JUNIOR 1.5	640	0 ÷ 8	0 ÷ 50	1.5



Control Units

EPOS 1

Basic features of the EPOS 1 control unit are:

- speed-independent spreading;
- adjustment of spreading width and quantity using two potentiometers;
- work light and rotating light on/off switches;
- activation of tank emptying.



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
- spreading speed simulation
- spreader tank emptying switch
- work 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;
- CAN-BUS open communication system in compliance with protocol CEN TC 337 / WG3 EN 15430-1



Additional equipment

Own hydraulic unit

If the vehicle the device is to be attached to is not equipped with a hydraulic system, the spreader can be equipped with its own hydraulic unit together with a separate engine.

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Dealer

