



Drive

**12V**

Spreading width



**0.8–6 m**

Agitator

**Grit up to 8 mm**

Metal parts

**stainless steel (1.4301)**

Cables



POLARO®



LAS

POLARO® E



LAS 4



## SNOW MACHINERY

# POLARO® | POLARO® E

The universal spreader attachment for all vehicles with a 12 V connection for the targeted and homogeneous spreading of salt, grit, sand, and even fertiliser.

# POLARO® – PERFECTLY EQUIPPED FOR WINTER, NO SPECIAL VEHICLE REQUIRED

With the POLARO® and POLARO®E, you can spread salt, grit, sand, and also fertiliser using virtually any vehicle having a 12 V supply, e.g. a private car, pickup, lorry, wheel loader, mini tractor, quad bike, etc. The frame of the POLARO® already contains all the holes required for mounting. By steplessly adjusting the spreader disc's rotational speed from the control panel, you can infinitely adjust the spreading width from 0.8 m (footpath) to 6 m (e.g. parking space) while on the move.

## The advantages of the POLARO® at a glance:

- Stepless adjustment of working width from 0.8 – 6.0 m (up to 12m as an option)
- Operation via control console from the cab/driver's seat
- Stepless adjustment of the spreading dosage
- Frame, valve, and spreading disc made from non-rusting stainless steel as standard
- Cables protected in waterproof junction box
- Autostart separates agglomerated spreading material



Stainless steel agitator with patented LEHNER agitator system guarantees a continuous flow of free-flowing material

- 24V operation is possible using a transformer





## OPTIONAL for hopper sizes 110 l and 170 l:

Saline agitator for slow-flowing salt (e.g. very fine, damp salt) available at extra cost.



For further information visit: [www.lehner.eu](http://www.lehner.eu)

## POLARO® POLARO®E TECHNICAL DATA

|                                       |  |  |  |  |
|---------------------------------------|---|---|---|---|
| Hopper capacity (litres)              | 70 l  | 110 l   | 170 l   | 250 l   |
| Dimensions (LxWxH) in mm              | 490x585x870   | 490x585x1,050   | 690x610x1,100   | 785x670x1,230   |
| Weight                                | 29 kg   | 38 kg   | 42 kg   | 53 kg   |
| Capacity, salt                        | approx. 90 kg   | approx. 140 kg  | approx. 220 kg  | approx. 325 kg  |
| Spreading area at 20 g/m <sup>2</sup> | approx. 4000 m <sup>2</sup>   | approx. 6000 m <sup>2</sup>   | approx. 10,000 m <sup>2</sup>   | approx. 14,000 m <sup>2</sup>   |
| Battery cable / control cable         | 3 m / 3 m   | 5 m / 6 m   | 5 m / 6 m   | 5 m / 6 m   |
| Motor power                           | Spreading disc: 60W / Agitator: 150W  |   |   |   |
| Power consumption                     | When starting, up to 24 A, normal operation up to 13 A                              |   |   |   |
| Operating temp. / storage temp.       | -10 to +70 °C / -30 to +70 °C   |   |   |   |



Perfectly equipped for winter:  
Wheel loader with POLARO® including  
foldaway pulling jaw bracket

## POLARO® LAS CONTROL PANEL

Switching functions:

- Machine on/off
- Valve open/closed
- Stepless adjustment of spreading disc speed to set the working width



### Manual dosing:

On the POLARO®, the flow rate is set manually directly on the machine, using the dosing valve.

## POLARO® E LAS 4 CONTROL PANEL

As for the LAS, plus:

- Stepless adjustment of the discharge rate
- Various integrated monitoring features, such as empty indicator and automatic valve monitoring
- Visual and acoustic fault indication on the control panel
- One-sided spreading possible (manual)



### Electronic dosing:

The dosage is adjusted on the control panel.  
As an option, the POLARO® E is also available with AUTO-DOSIS (see overleaf).

## POLARO® E: Speed-dependent dosing with AUTO-DOSIS



The menu of the AUTO-DOSIS control unit contains spreading charts from the manufacturer. If necessary, the manufacturer can install further spreading charts (if available).

**AUTO-DOSIS automatically adjusts the valve position in line with the driving speed.**

After you have selected the material, entered the desired spreading width and quantity per m<sup>2</sup>, the AUTO-DOSIS automatically reacts to driving conditions and controls the dosing valve accordingly. The desired discharge quantity per m<sup>2</sup> remains constant.

### 1. AUTO-DOSIS via 7-pin signal socket

Here, the travel speed is recorded via the 7-pin signal socket on the vehicle. In this version, the signal socket also provides the headland management system.

### 2. AUTO-DOSIS via GPS receiver

The speed is determined by GPS and forwarded to the control panel.



7-pin headland management cable (accessory)



GPS receiver (accessory)

## ACCESSORIES

You can find further brackets and special accessories for the POLARO® and POLARO®E at [www.lehner.eu](http://www.lehner.eu)



**Spare wheel bracket** for attaching the spreader to an all-terrain vehicle. One hole is pre-drilled – two more may be required as per hole pattern.



**Pick-up bracket** – height-adjustable from 590 to 780 mm from the top of the tailgate to the top of the tow ball.



**Holding device for tailboard** for attaching to a vertical wall – secure the spreader easily using two set screws.



**Three-Point-Frame CAT 0, CAT I, CAT II** for attaching to the top and bottom links of the hydraulics (front or rear installation).



**Drawbar coupling holder, lowerable** – for easy attachment of the POLARO® 250 to a wheel loader or forklift truck.



Suitable for:  
**POLARO® 70–170I**

**Drawbar coupling holder, foldable** – simple access to the rear of the wheel loader or forklift truck without detaching the spreader.



**Saline agitator for slow-flowing materials** – this agitator is not suitable for grit or sand.



**Cable connection (plug/socket)** – water-tight – for disconnecting the main cable between the spreader and the control panel.

