



Drive

**12V**

Spreading width



**0.8–6 m**

Agitator

**Grit up to 8 mm**

Metal parts

**stainless steel**  
(1.4301)

Cables



POLARO®



POLARO® E



POLARO®  
videos



POLARO® E  
videos



## 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:

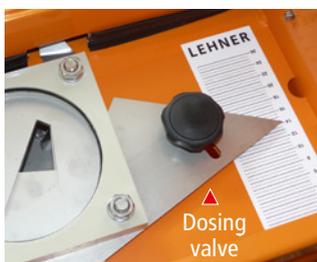
- Machine on/off
- Valve open/closed
- Stepless adjustment of spreading disc speed to set the working width



## 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)



### Manual dosing:

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



### 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.



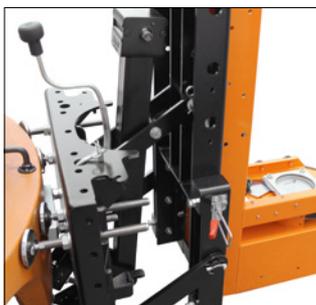
**Adjustable pick-up bracket** (hot-dip galvanized) with plenty of options for adapting to almost any pick-up model.



**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.

