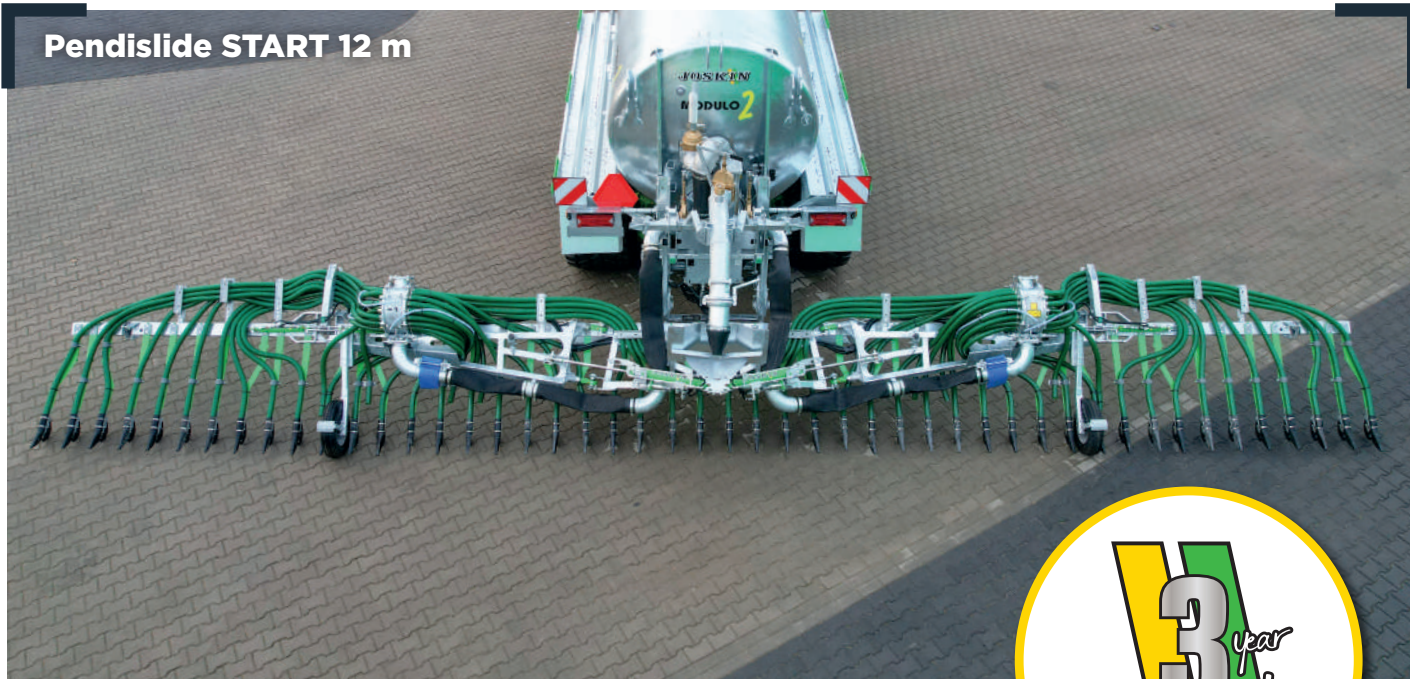


TECHNICAL FOCUS ON PENDITWIST AND PENDISLIDE START LINE SPREADING BOOMS

Technical Guide for START Spreading Booms (12 m)

Pendislide START 12 m



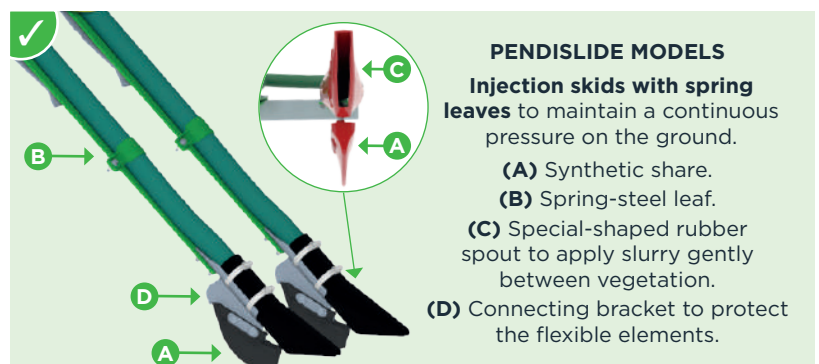
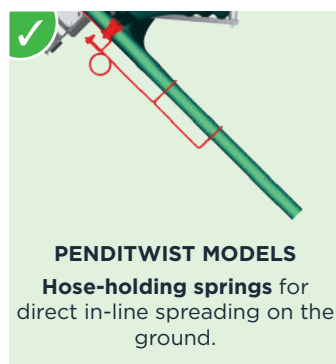
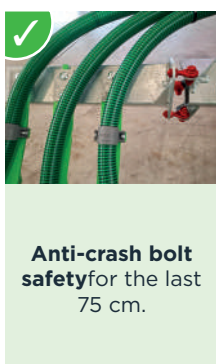
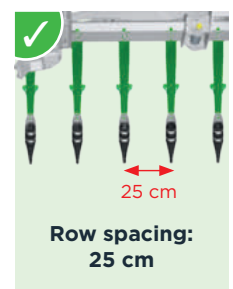
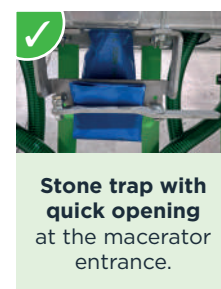
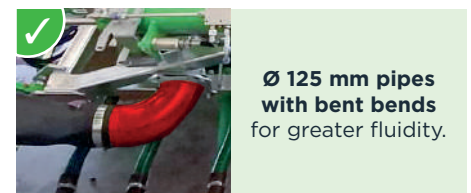
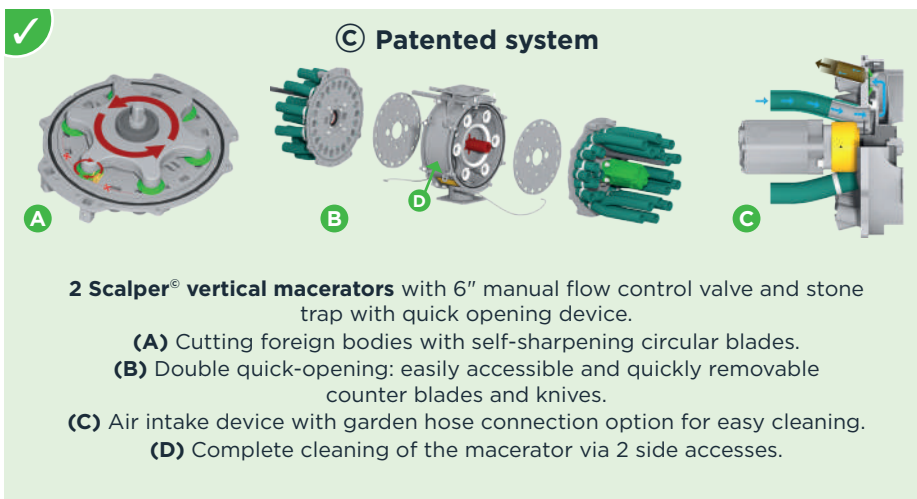
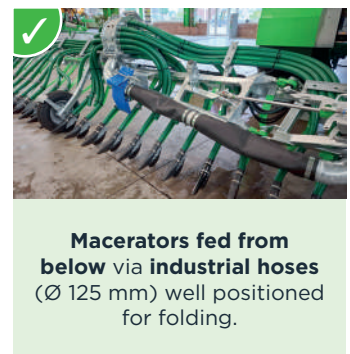
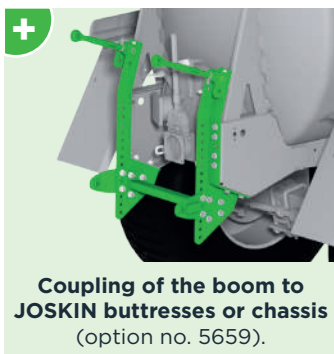
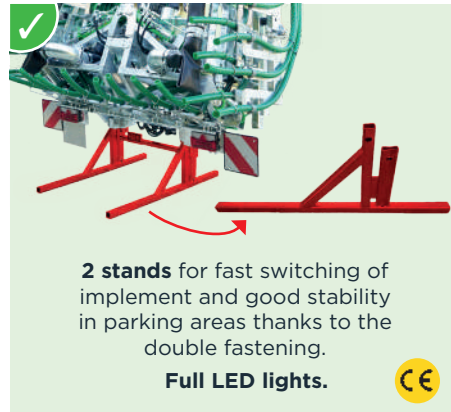
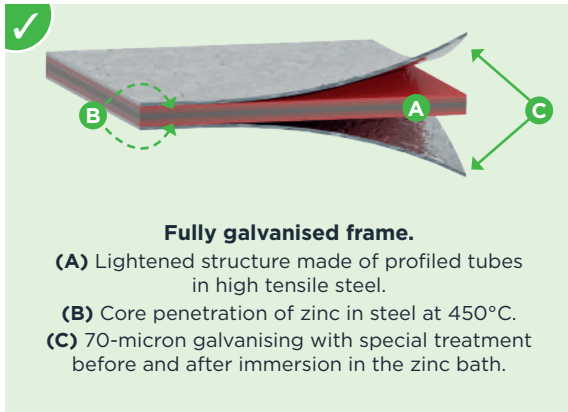
Pendislide START 12 m

JOSKIN®

START SPREADING BOOMS

MEDIUM-WIDTH LINE SPREADING BOOMS (12 m) WITH OR WITHOUT SKIDS

Standard ✓ or optional + equipment

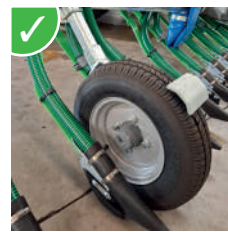




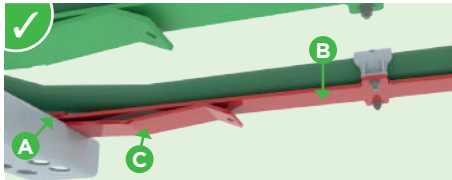
Hoses protected by flanges and flexible spouts, all fitted so as to prevent clogging.



2 macerators and always sloping, one-piece feeding hoses for improved feeding at the shares.



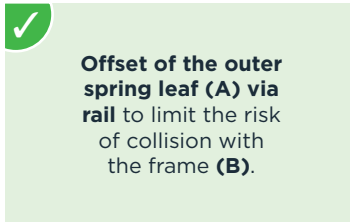
2 large-diameter, height-adjustable, hub-mounted gauge wheels with conical bearings.



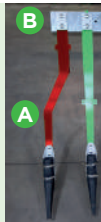
(A) Leaf protection stop.
(B) Spring-steel leaf.
(C) Steel counter-stop to prevent rocking when driving.



Pre-equipment for double feeding system (very high flow).



Offset of the outer spring leaf (A) via rail to limit the risk of collision with the frame (B).



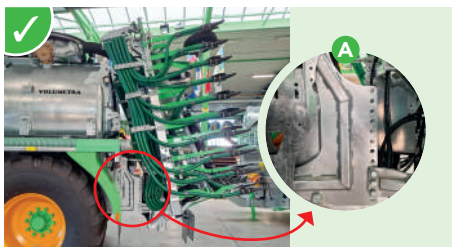
Hydraulic, automatic control protected in a housing



(A) Injection hoses with adjustable locking to protect them from wear due to vibration.
(B) Flexible, rounded collar to hold and protect the hoses.



2 cylinders for folding the boom in working position with check valve and solenoid valve.



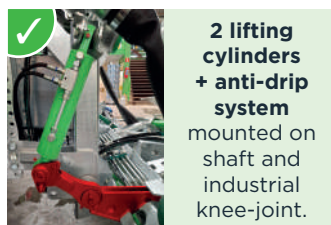
Boom folded as close as possible to the tank to limit the overhang and load on the slurry tanker. Height-adjustable bracket (A).



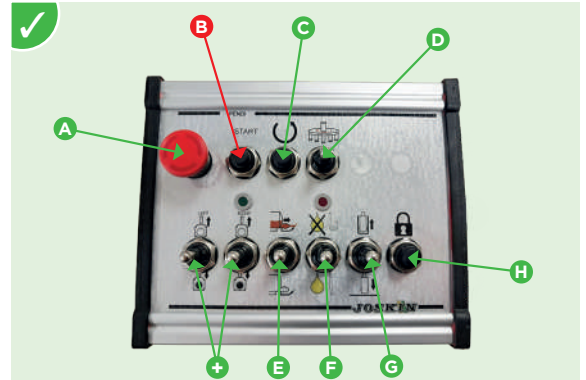
2 floating cylinders on springs with check valve for each double folding system, for a good follow-up of the ground + rocker to limit space requirement.



2 Ø 150 mm industrial valves with flow control.



2 lifting cylinders + anti-drip system mounted on shaft and industrial knee-joint.



Full electrohydraulic control of the machine with automaton.

(A) Emergency stop.

(B) Automatic sequence at the beginning/end of the row* (functions C - D - E - F).

Manual Mode

(C) Reverse the direction of rotation of the macerator.
(D) Macerator control: neutral/clockwise/anti-clockwise rotation.

(E) Open/Close the rear valve.

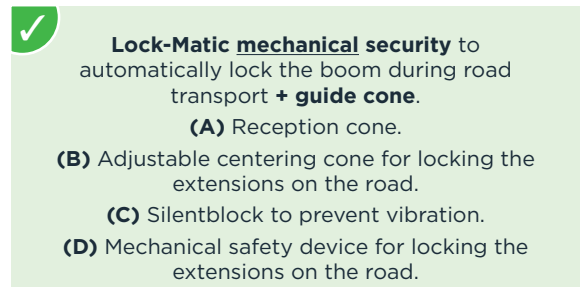
(F) Lower/Lift hoses (TWIST anti-drip system).

(G) Fold/Unfold the spreading boom.

(H) Lock-Matic road security: mechanical locking of the folded boom.

+ Control valves for left and right half-boom.

*At the beginning of the row, the automatic sequential control activates the following functions successively: (F) lower the hoses, (E) open the valve, (D) activate the macerator and (C) reverse the direction of rotation of the macerator to clean the blades and ensure uniform wear of the blades and counter blade. At the end of the row, it closes the rear valve (E), deactivates the macerator (D) and lifts the hoses (TWIST anti-drip system (F)).



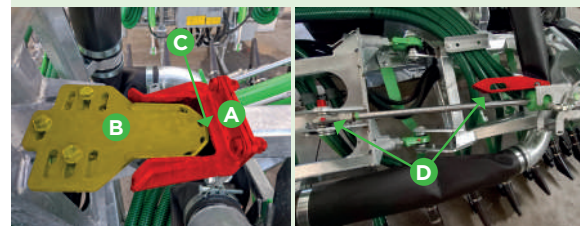
Lock-Matic mechanical security to automatically lock the boom during road transport + guide cone.

(A) Reception cone.

(B) Adjustable centering cone for locking the extensions on the road.

(C) Silentblock to prevent vibration.

(D) Mechanical safety device for locking the extensions on the road.



Silentblock for the last folded part to prevent friction and vibration.



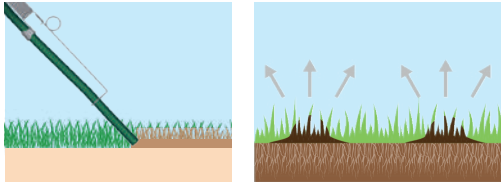
Ertalon for when folding the anti-drip system to avoid noise and vibration.

Two 12-m boom models

PENDITWIST AND PENDINGSLIDE START

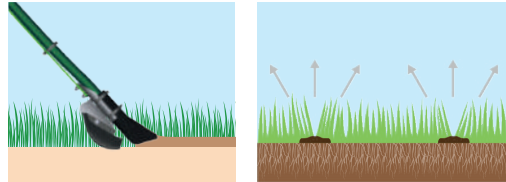
Line spreading booms: Penditwist

Theoretical NH₃ losses (ammonia): 25 to 45%*

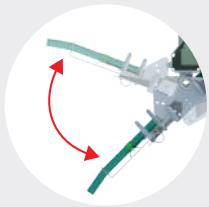


Line spreading booms with skids: Pendingslide

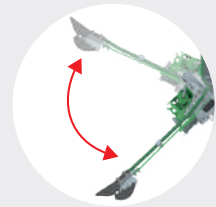
Theoretical NH₃ losses (ammonia): 15 to 40%*



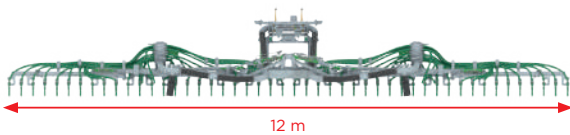
*Source: Brusselman E., Beck B., De Campeneere S., Demeyer P., Goossens K., Kerselaers E., Maertens L., Millet S., Reubens B., Riebbels G., Vandaele L., Vangeyte J., Zwervaegher I., "Screening van maatregelen die kunnen leiden tot de reductie van ammoniakemissie afkomstig van landbouw", [ilvo.vlaanderen.be](https://ilvo.vlaanderen.be/uploads/documents/ILVO_PAS_Literatuurstudie_finaal.pdf), 2016, https://ilvo.vlaanderen.be/uploads/documents/ILVO_PAS_Literatuurstudie_finaal.pdf (consulted on 11.12.2023).



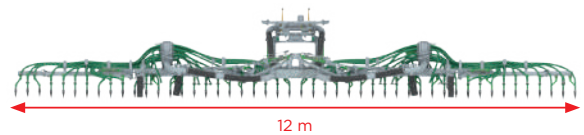
TWIST anti-drip lifting system
to prevent slurry losses on the road and
in the field when manoeuvring.



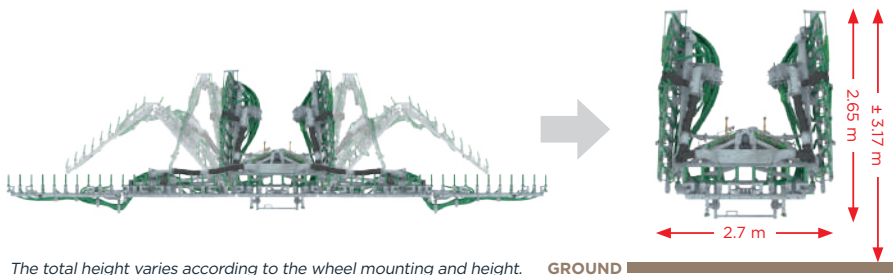
Penditwist START 120/48RP2
48 outlets - 2 macerators



Pendingslide START 120/48PS2
48 outlets - 2 macerators



Simple, compact "bird wing" shaped folding system
(5 parts) to limit height on the road.



The total height varies according to the wheel mounting and height.

GROUND

**JOSKIN, the spreading specialist with over 65 IMPLEMENT MODELS
and a unique experience in slurry spreading FOR OVER 40 YEARS!**

JOSKIN



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