

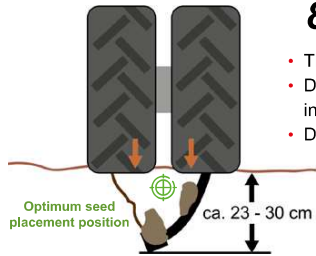
VOLMER® Strip-Till CULEX

First system specifically for creating a slurry belt

Strip-Till with slurry underfoot fertilisation to optimise the Nitrogen use efficiency in row crops

8. Mode of operation

- The wheels run 1/3 on solid ground and guide the tine at the working depth.
- Due to the undergrip of the tine, the pressure of the wheels is automatically increased at higher working speeds.
- Deliberate pressing of the soil into the slurry



Functionality of the CULEX in the rear view.

Fig.: CULEX 8



1. Rollers

- The rollers hold the frame at working height.
- The 570 mm diameter, 6 mm thick six discs cut up all disturbing plants on the path of the grinders (tines).

7. Slurry pip

- The rear, upper slurry pipes discharge slurry to the rear when the soil bar closes.

6. Parabolic gaggle

Heart of the CULEX Strip-Till units

Mechanical advantages of the Volmer Culex system:

- Good loosening of the soil, even in the ruts – very effective against the flowerpot effect
- No wet soil is brought up from below
- Suitable for slopes, as no drainage channel remains open
- On heavy soil, the injection slot is securely closed
- The seed groove and the slurry injection slot are next to each other
- Seeding can be started immediately after spreading the slurry
- Smooth operation, as there is no bulldozer effect

Advantages of the Volmer Culex system relevant to crop production:

- Underfoot and subsoil fertilisation in one operation
- Hardly any structural damage due to overwatering in the strip
- Good conversion of the organically bound nutrients due to mixing of the slurry with the soil (soil bacteria)
- Good rooting of the entire area due to higher attraction effect of the nutrients - less drought stress
- No abrupt transitions between loosened and non-loosened soil running parallel to the soil surface

3. Discs

- The filling disc runs approx. at field level and throws the soil discarded by the tine back onto the row.

5. Clearing stars

- The parallelogram-guided clearing stars tear up and push crop residues out of the way.
- This assembly is configured so that it works in all situations without adjustments (plug and play).
- A wide range of options can be used to optimise the function.

Volmer CULEX

competitor



2. Slurry belts

- The 12 cm rule was observed for both devices.
- **The first** and only system known to us, which can put on two slurry belts separated from each other in the storage height.

4. Data

	Unit of measurement	Strip-Till CULEX 3	Strip-Till CULEX 6	Strip-Till CULEX 8	Strip-Till CULEX 10	Strip-Till CULEX 12
Min. row spacing	cm	45	45	45	45	45
Working depth	cm	10 - 30	10 - 30	10 - 30	10 - 30	10 - 30
Working width	m	3,00	4,50	6,00	7,50	9,00
Transport width	m	3,00	3,00	3,00	3,00	3,00
Weight	kg	1,800	2,800	3,600	4,300	4,700
Outlets per row	piece	2	2	2	2	2
Adjustable upper outlet		✓	✓	✓	✓	✓
Pressure rollers per row	piece	2	2	2	2	2
Non-Stop stone safety device		✓	✓	✓	✓	✓

Weights and measures are approximate and non-binding. We reserve the right to make changes.