

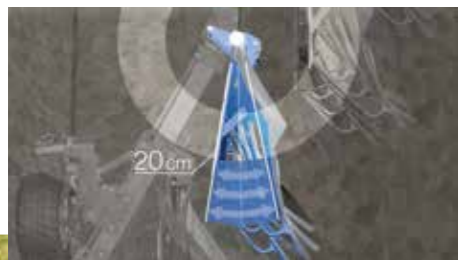
# OptiStone

## Overload element

for Juwel, Diamant and Titan ploughs



# OptiStone ensures disruption-free ploughing



## Response to obstacles

The OptiStone overload protection is based on a new swivel bracket with high trigger and re-entry forces to ensure that the system is triggered softly and smoothly when an obstacle is encountered. This protects both tractor and plough. The overload element is easily able to deflect vertically up to 37 cm and horizontally up to 20 cm at the same time.


- This provides for a sufficiently large range of deflection to ensure consistently disruption-free work, even with deep ploughing.
- The high trigger forces can be conveniently and continuously adjusted to variable conditions from the tractor seat.



## Double protection

All LEMKEN ploughs feature double-cut shear-off protection with a shear bolt as standard.

- In the OptiStone overload protection, the shear bolt additionally protects the plough against damage if the system becomes trapped under rocks or roots.



### Superior precision and operational reliability

The closed system of highly stable leg plates is reliably protected against dirt and foreign objects. A newly designed swivel bracket delivers high horizontal and vertical trigger forces while ensuring stable plough control. The system is supported in highly stable, easily accessible radial spherical plain bearings. The plough body is firmly connected to the three-dimensional bearing point – a clear advantage compared to the overload protection systems with four-point suspension commonly found on the market.

- Precise body alignment
- Stable and safe plough control
- No unhitching of the element
- Easy maintenance for a long service life and high operational reliability





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