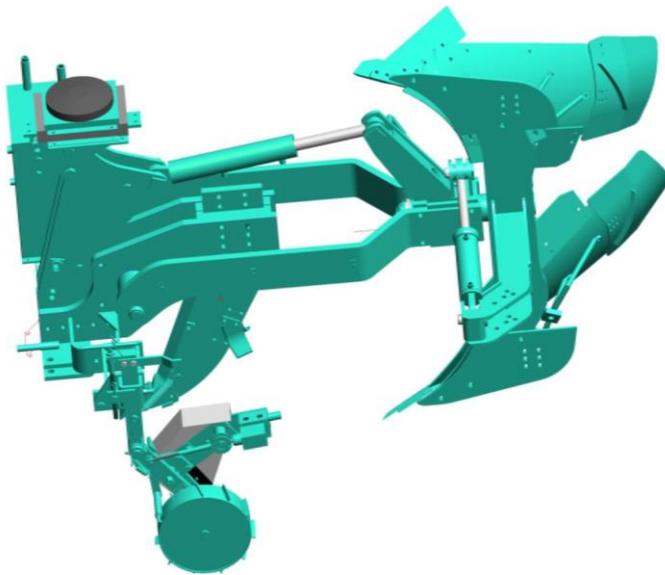


Technical characteristics of the Delfino 3s plough and their effects in the soil

The Delfino 3s is composed of a single reversible mouldboard and a ripper.

According to soil and rainfall characteristics and to the projects' objectives, the depth and length of work of ripper and mouldboard as well as the type of underground movement can be adjusted. Other adjustments can be done for a wide range of needs.



The **single reversible mouldboard** digs, thanks to its wave motion, micro basins 3,5m - 5m long, 40-50 cm wide and 40-50 cm deep.

The **ripper**, located in front of the plough, cracks and loosens up the soil at a depth of 60-70cm. It creates an ongoing underground splitted furrow which collects the water from the adjoining micro basins. The ripper does not reverse the upper soil and protects the ploughshare from braking.

The motion and the reversibility of the ploughshare are obtained by a **hydraulic system**.

The **reversibility of the ploughshare** allows an efficient work to promote the entry of run-off while working along the contour. It avoids empty returns.

In all configurations, the technical characteristics of the Delfino 3s and the speed of the tractor brake and crack the compact soil, facilitating deep infiltration of rainwater and roots growth. This water is thus protected from evaporation.

The rainwater, top soil, seeds, organic materials transported by wind and run-off accumulate in the micro basins and along the ripper tilling line boosting a long-lasting regeneration process.

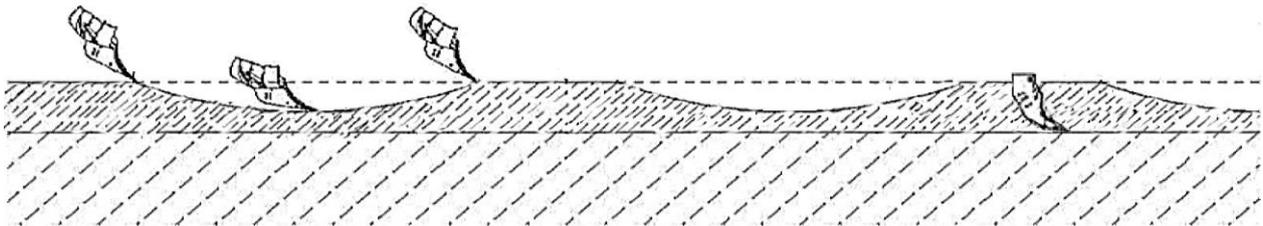
Each motion unit (mu) micro basin / underground splitted furrow collects even in case of very low rainfall (150-500mm/year) up to 1000-1200 l of water (run-off water included).

Data sheet Delfino 3s

Depth of ploughshare work: 40/50 cm
Depth of ripper labour: 50/70 cm
Width of the micro basin: 40/50 cm
Programmable micro basin length: 3.5 / 5m
Programmable underground splitted furrow length
Programmable total length of work per mu: 4/8m
Working speed: 4 -7 Km / hour
Weight: 1730 Kg

Longitudinal section of work of the Delfino 3s plough

Ploughing direction →



Given the characteristics of the soil and the type of processing carried out with the Delfino 3s, a **180-210 HP four-wheel drive tractor with a weight of 8-10 tons** is required.



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